

Visions of Land Use Transitions in Europe

Literature study on land use and landscape change as a result of European policies

Cosor, Georgia ; Frederiksen, Pia ; Geamana, Nicoleta ; Kristensen, Søren Pilgaard ; Svenningsen, Stig Roar; Sxistou, Despoina ; Terkenli, Theano S. ; Pavlis, Evangelos ; Vadineanu, Angheluta ; van der Sluis, Theo

Publication date:
2014

Document Version
Publisher's PDF, also known as Version of record

Citation for published version (APA):
Cosor, G., Frederiksen, P., Geamana, N., Kristensen, S. P., Svenningsen, S. R., Sxistou, D., Terkenli, T. S., Pavlis, E., Vadineanu, A., & van der Sluis, T. (2014). *Visions of Land Use Transitions in Europe: Literature study on land use and landscape change as a result of European policies*. (2 ed.) Volante. http://www.volante-project.eu/images/stories/DELIVERABLES/VOLANTE_D2.1_Overview_of_institutions_and_governance.pdf

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VISIONS OF LAND USE TRANSITIONS IN EUROPE

EC Contract Ref: FP7-ENV-2010-265104

Deliverable No: 2.1

Literature study on land use and landscape change as a result of European policies -

**an overview of institutions and governance structures regarding
land use change for different countries in Europe**

Due date of deliverable: 31 October 2012

Actual submission date: 30 October 2012

Version: 2.0 (revised April 2014)

Editor: Theo van der Sluis

Main Authors: Georgia Cosor, Pia Frederiksen, Nicoleta Geamana, Søren Pilgaard Kristensen, Stig Roar Svenningsen, Despoina Sxistou, Theano S. Terkenli, Evangelos Pavlis, Angheluta Vadineanu, Theo van der Sluis

Reviewer: Bas Pedroli

Keywords: Literature, Land use change, landscape, governance, policies



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1 Introduction

This report (deliverable D2.1 of the Volante project) provides an overview of institutions and governance structures regarding land use and landscape change. However, in the preparation of the detailed work plan it was felt that this is to a large extent worked out in WP 2.2 as well. Therefore the detailed plan for WP2.1 proposed rather an explorative study of existing papers and reports on institutions and documented cases of land use and landscape change as a result of European (and national) policy.

Each participating country in Work package 2 (Denmark, the Netherlands, Greece, Romania) prepared a report on literature findings regarding policy and landscape change. This report summarises the findings of these studies. It provides an overview of available publications and information gathered in other projects.

Except for studies in the countries involved in the WP2 case studies, i.e. in Denmark, Greece, Romania and the Netherlands, where possible, other countries for relevant literature, e.g. Sweden, Belgium, Italy, and Cyprus were also covered.

Results of these studies were presented and discussed in the workshop in Potsdam (June 2011).

So this study provides a comprehensive overview of papers, reports, case study descriptions dealing with landscape change, governance structures and the spatial impact of in relation to policies.

The report serves as a resource for WP2 activities and is used in the project as reference for further enquiry on governance and landscape change in the respective countries. The literature list has been made available on the Volante website. However, the findings for all countries are very diverse, based on a large number of factors such as period of accession to the EU, the 'uptake' of European policy, organisations involved in these studies, and the organisation of the policy implementing agencies. For that reason it is very difficult to draw general conclusions, it is impossible to combine all papers and studies for an overall analysis. This is also not the purpose of this study, and it is therefore also not attempted to make an overall comparison of the literature, but rather identify where gaps in knowledge are.

The focus of this study was as much as possible on:

- Papers which deal with specific areas or regions in the respective countries
- The structure of government, and how land use policy is shaped
- Policies with most impact on the landscape, in particular the Common Agricultural Policy, Natura2000 and the Water Framework Directive.

However, also policy evaluations were included at the national level in this overview.

1.1 Methodology

Data have been collected by all partners on land use and landscape change in relation to the European institutions and policies, in order to identify trends and potential knowledge gaps regarding policy impact on landscape. ALTERRA prepared the format for the database (Task 2.1) used by all partners, to store policy documents, articles in journals as well as grey literature. In addition, NERI-AU collected literature from Sweden, the Aegean University for Cyprus, Italy and Malta, ALTERRA collected literature for the Netherlands and Belgium.

The approach and methodology of the literature review was based on the guidelines outlined in the database framework. The overview is based on a literature search, and a targeted review of relevant journals and magazines, and inquiry with research organisations. The research focused on published articles, reports or other studies (e.g. case-studies in European projects).

The literature search was based on key words which are thought relevant in the local context, in particular 'landscape', landscape change' and policies such as CAP and Natura 2000 (Table 1). The terms were used both in Dutch and English. The following key words were used in this search:

Table 1: English terms used for the literature search

Terms	In combination with
Landscape	Policy
Landscape change	European policy
Land use	Subsidy
Landscape element	CAP
	Natura2000
	Rural development
	Agriculture
	Agricultural development
	Drivers

There were slight differences in the application of the criteria. In some countries the focus was more strict on literature which links different policies with some kind of spatial change (notably, for Denmark, Sweden, and the Netherlands). Some additional guidelines were used.

First and foremost, the studies included in the database must have a clear link between policy, both national and European, and change in the physical landscape. This criterion excludes a number of studies dealing with either solely landscape or policy. An example could be a study, which assesses the spatial structure of nature habitats, but without any links to general or specific policies affecting the habitat structure; or it could be studies which only focus on spatial policies while no assessments of landscape impacts have been carried out.

Since the objective of this literature review is to identify studies dealing with impacts of already implemented policies, studies of the most recent policies were therefore excluded.

Scenario studies have also been excluded, as their assessments are about potential future impacts of policies or policies that might be implemented. Hence, some simple criteria have been established in the following list:

To be included in the review the publication must comply with the following features:

- The study should have a relatively clear link between policy and impact on landscape.
- It should include a spatial inventory of impacts e.g. either some kind of spatial statistic or geographical description.
- It should assess already implemented policies. This excludes scenario studies and assessment of policies to be implemented.
- It should assess policies implemented during the last 20 years.

All publications from the different countries were stored in an excel database. The database includes information on the type of study/report year, length of period assessed, area size, landscape type, policy(ies) assessed, and specific references. The included references in the database are presented in Annex 1: Overview of literature sources.

In chapter 2 the findings of the studies are presented and summarised. The countries which are presented are placed in alphabetical order. Chapter 3 discusses the gaps in information.

2 Results

2.1 Cyprus

2.1.1 Sources of information

The Cyprus literature survey proceeded through archives or databases of European Commission, European bodies, such as the European Environment Agency, EUROSTAT, etc., and national bodies, such as various ministries, sectoral organizations or institutions and various other sources, as mentioned above. Specifically, we investigated national and EU reports regarding issues such as nature conservation and biodiversity, land, water, climate change etc., affecting landscape and land use. Additional data were located through various electronic search machines, such as Science Direct, Web of Science etc.

Considered were the impact of European and national policies/ measures, directly or indirectly influencing land uses, the land cover and the landscape of Cyprus.

2.1.2 Results - Overview of the Cypriot literature

The extent of the literature addressing the impact of policy on land use and landscape in the context of Cyprus is shown in Figure 1. Scientific literature comprises of peer-reviewed articles in scientific journals or books and of government-funded research reports and policy evaluations, mostly linked to the evaluation and assessment of European policies and their relevance to the case of Cyprus. The majority of the entries are national reports of the country itself and of European organizations and EU projects (Figure 2). Most of these entries relate to the status quo at country level, until 2004, and after the implementation of the European directives in law and policy.

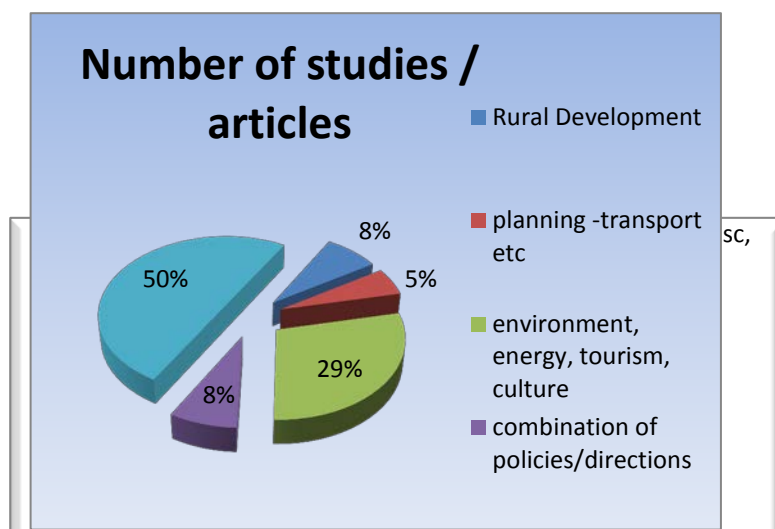


Figure 1: Sectors discussed in the identified publications

Figure 2: Number and type of identified publications
...)/60/EC, the Action Plans for the Environment (Natura 2000, Protected Areas, Biodiversity, the Birds Directive 1979/409/EEC), the Nitrates Action

Programme, the Leader program, the Spatial Plan, the Sustainable Development Plan, the Tourism Development scheme, the EU Biodiversity Policy, the Maritime Policy, etc.

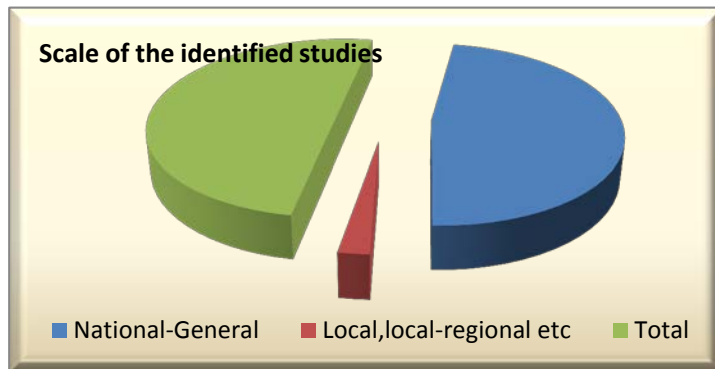


Figure 3: Scale of the identified studies

Most database records refer to the national level, while some of them deal with the regional-local levels (Figure 3). This is justified by the fact that Cyprus is a very small country, but also by the fact that the country joined the European Union as recently as 2004. It is important to note, at the outset, that the number of studies or articles directly related to the impact of policies on landscape and land uses is minimal. Of the 135 database records, in the form of books, reports, articles, studies and reports of the country or funded projects, as identified in various sources, most are national reports, research reports, government reports and policy evaluations through programs funded by the EU. National reports particularly mentioned the current situation of the land, as a result of applied policies, with an emphasis on the environment, spatial planning, agriculture and tourism, while also presenting the causes and effects of these changes. Examples of the latter are: the implementation of the Nitrates Directive, the national reference report on the implementation of the Ramsar convention, the rural development program under the European Regional Development Fund etc.

The types of studies that have been incorporated into the base, as already mentioned, are diverse and mostly include both assessments of the current status of the land/ landscape, on the one hand, and policy evaluation, identification of land use changes and existing land uses, on the other hand. Most of these record problems identified in the country, in key areas, such as agriculture and environmental land uses. The period covered by our database is principally the last 40 years, although most of the national reports (and especially those of governmental agencies and organizations) are reports of recent years. Many records relate to dissections of matters of national policy and they are recorded according to the specific areas under which they are registered in the base and specifically the sectors of water, forestry, urbanization, environment, agriculture. Some studies also focused on the effect on the dynamics of land use change policy in a broader perspective, including both domestic and European policies.

It is mainly the national reports that report on the current status of policies applied on the land, with an emphasis on the environment, existing spatial plans (both at an official and an unofficial level), as well as problems arising from the application of a mix of uses and policy priorities on agriculture, tourism and rural policy. These reports additionally present the causes and consequences of these changes. An important example is the program CAMP

Cyprus (project on the management of the coastal zone of Cyprus), designed and implemented with the aim to strengthen and integrate conservation policies and sustainable development of natural resources in coastal areas, while protecting the coastline of Cyprus, in order to ensure the coexistence of economic development and environmental protection.

2.1.3 Analysis of Trends in literature

According to our sources, it seems that the most significant landscape changes identified in Cyprus are not only due to the implementation of European policies but also due to land use pressures, especially in recent decades, caused by driving forces, such as tourism, housing development, demographic changes, and other investments. Pressures abound on factors affecting land use, such as agriculture, conservation of natural and cultural heritage resource management, housing, transport, around the country. After the military intervention of 1974 and the subsequent Turkish occupation of the northern part of Cyprus, the economy of the island completely collapsed. 70% of the gross output of Cyprus, which was located in the northern part of the island, was lost. Despite this turn of events, Cyprus has managed to revive economically and to achieve levels of productivity and development with favorable international ratings, but not without problems.

It is very important to note, at this point, that the implementation of many national directives with direct or indirect relationship to or impact on land/ landscape change, improvement or maintenance had already been applied in Cyprus, before its accession to the EU. Also significant is to note the ratification of international agreements and conventions on nature themes, such as the Legislation for Nature and Land Use, the Convention on Biological Diversity, the Convention on Wetlands of International Importance (RAMSAR), the Convention on International Trade in Endangered Species (CITES), the Convention on European Wildlife and Natural Habitats (Bern), the Convention for the Protection of Migratory Species of Animals (Bonn), the Convention to Combat Desertification, etc.

Moreover, several programs directly or indirectly address factors affecting the environment and land use and set the prevention of desertification and environmental protection both as a necessity and a priority. Such examples are: the program referred to as Rural Development, as completed and intended for application for the period 2007 – 2013 (RD 2007-2013), the National Forest Program (2001-2010), the Program Coastal Zone Management, the Strategy for Sustainable Development (2007), the Local Plans and Policy Statement on Urban Development Strategy, Solid Waste Management, and the implementation of many other such instruments for environmental protection.

The most important studies on which this report is based (also listed in our database) are: a) a study by the Vakakis and Associates SA/ Vakakis International SA, 2010, with the title *The impact of EU membership and the future dynamics of the Cyprus agriculture*, by the Agriculture Department of the Ministry of Agriculture, Natural Resources & Environment-Cyprus; b) the reference report by Pattichis, C. (1999) *Cyprus in the EU: a quantitative analysis of adopting the CAP*, European Review of Agricultural Economics, Vol 26, No. 4, pp. 511-532, with substantial evidence on the changes resulting from the implementation of agricultural policy; c) the "National report on the implementation of the Ramsar convention on wetlands- National Reports", to be submitted to the 11th Meeting-of the Conference of the Contracting Parties, Romania, June 2012"; d) the study with the title *E. 4. LIFE Ex-Post Evaluation of Projects and Activities Financed under the LIFE Programme Country-by-country analysis, Cyprus July 2009*"; and e) the Fourth National Report to the United Nations Convention on Biological Diversity, 2010.

2.1.4 Environmental policies and institutions

- The **Common Agriculture Policy**: This policy has influenced the landscape of the country, in various ways. After the accession of Cyprus to the EU, the rate of farmland decline accelerated and nearly doubled, compared with the pre-accession period, 1994-2003. This structural evolution can be interpreted as the result of the change in the operational framework of the agricultural sector after accession, namely the reduction of protectionism and the opening up of markets, taking into consideration also the factors of drought and climate change. In Cyprus, the size of land parcels is, on the average, very small and this fact defines the structural problem of "dualism" facing the Cypriot agriculture, i.e. the coexistence of "farming business" and "part-time farming employment" or "social agriculture". These structural features of the agricultural sector in Cyprus, namely the large number of land parcels and their small size, pose special problems in the handling and marketing of agricultural products.
- The accession of Cyprus to the European Union has created new circumstances, characterized by the dominance of new elements for the agricultural sector, within a strongly competitive international environment. The **Department of Agriculture** aims at dealing successfully with this new situation through the modernization of the agricultural sector, with special emphasis on the improvement of productivity and competitiveness, the application of new methods in production, the turn towards certified and standardized products--catering to consumers' rights and public health--the application of measures towards the protection and improvement of the environment and, generally speaking, sustainable development.
- The **Program for Rural Development**: The implementation by Cyprus of this policy has been a driver for various environmental measures, as, for instance, the provision of compensatory allowances for less favored areas, with a substantially positive impact on the conservation of crops. The aid provided has also effectively contributed to the reduction of rural marginalization and the abandonment of the countryside. Moreover, agro-environment measures enable the protection of endemic birds of Cyprus, while biodiversity, as a whole, has been fortified, as a result of actions of maintenance of traditional shrubs and trees, in environmental-friendly ways. These actions included the provision of aid for the clearing and removal of unwanted vegetation. Furthermore, biodiversity-targeted agro-environmental measures aimed at reducing the use of chemical compounds that directly affect ecosystem balance. Strengthening the organic agriculture, for example, has significantly reduced chemical compounds in the ecosystem and thus enhanced biodiversity. Sustainable management of forest land is expected to spread and grow, as a result of the opening up of fire lanes and other interventions in such land, aiming to reduce fire risk. Forest-environment payments subsidies, through CAP, should contribute to landscape and nature maintenance and preservation.
- The **Water Framework Directive** (15. Nov. 2010): The "*Integrated Water Management Law 79(I)/2010*" has been put into force, assigning integrated water management to the Water Development Department of Cyprus. **State water policy** is not limited to desalination, but also focuses on the exploitation of other non-conventional sources of water, such as recycled water for the irrigation of agricultural crops and for the replenishment of underground aquifers. Our bibliographical research findings indicate that, so far, a significant number of water bodies has been identified as being at risk of not achieving the objectives of the Directive, largely due to pressure from agricultural activities.
- **National Cyprus spatial planning legislation**: An important instrument allowing for integration of landscape into regional planning policies is the national strategic development plan and various spatial development plans. Spatial plans are developed at three levels, namely the Island Plan, the Local Plans and the Area Schemes. The coastal zone is not considered as a unified planning area; therefore, there is no separate institutional or land-use planning framework specifically pertaining to the coastal areas of the country. Coastal land-use zones form part of several development plans applying to different local administrative areas.

Moreover, there is no single legal or functional planning definition of the coastal zone or the coastal area. Generally speaking, the national spatial planning legislation has had a major impact on landscape dynamics, in Cyprus.

- **Sustainable Development Strategy:** The National Strategy on Sustainable Development was revised in 2009, in accordance with the obligations of Cyprus as an EU member state. The final Revised National Sustainable Development Strategy 2010 was approved by the Council of Ministers on October 8th 2010 and covers the areas of climate change and clean energy, sustainable transport, sustainable consumption and production, conservation and management of natural resources, public health, social inclusion, demography and migration, global challenges, urban development, sustainable tourism, education and training, and research/ technological development and innovation.
- **National Cyprus environmental legislation:** Although there are no studies evaluating environmental policy, since joining the European Union, Cyprus has reviewed the basis of its national environmental policy and has signed nine international environmental conventions; it has ratified and implemented the Cartagena Protocol on Biosafety and has also ratified the Kyoto Protocol on Climate Change. As the sector of environmental control belongs to waste management, Cyprus has accordingly adopted EU environmental policies on waste management (hazardous and non) and has also implemented a waste management strategy, as well as measures on environmental protection and public health. Its Code of Good Agricultural Practice consists of four parts, safeguarding protection from pollution by nitrates: Code of fertilizer use, Code of livestock waste use, Code of treated water use and Code of sludge use in agriculture.

Nature-related legislation focuses primarily on conservation and protection issues, such as rare nature types, biotopes, lakes, cultural history, etc. (law on voluntary participation by organizations in Community eco-management and control, law on Community eco-labeling, law on environmental liability with regard to the prevention and remedying of environmental damage, sustainable development and other cross-cutting issues). No studies of the impact of this policy on landscapes have been identified. In order to fulfill its obligations arising from its EU and international obligations, Cyprus has implemented a number of laws and decrees and has signed numerous conventions and international agreements aiming at the protection of biodiversity. The Habitats and Bird Directives were transposed into national legislation, and the Cyprus NATURA 2000 network currently consists of 39 SCIs and 28 SPAs. Moreover, certain areas are protected by the Forest Law No. 1967, Town and Planning Law N. 90/72 (Country Site Policy), and the Management and Protection of Waters Law N. 13(I)/2004.

The implementation of the legislation on Environmental Impact Assessment of projects and legislation on the Strategic Environmental Assessment (SEA) are considered very important tools in the reduction of impacts proven to be harmful to biodiversity. Furthermore, through the implementation of the Common Agricultural Policy (CAP), a number of measures assist farmers in taking preventive actions against environmental deterioration and in playing a positive role in the preservation of the countryside. Such activities are also related to the management of the LIFE + program, at a national contact point.

No data were found to determine or the impact of the European Habitats Directive. Only a very small part of the 17% of the territory proposed to be included in NATURA 2000 fulfills the necessary requirements for inclusion. Cyprus lacks a general framework or a binding policy on nature conservation, while the NATURA 2000 implementation and management process is still ongoing. Over the last few years, particular emphasis has been placed on identifying and mapping habitats of European significance. Sites and species have been exhaustively identified, on the basis of the Habitats Directive.

Since 2006, no country has implemented an ICZM National Strategy, as prompted by the EU ICZM Recommendation. In Cyprus, documents considered as equivalent to an ICZM National Strategy have been developed and coastal zone management strategies have become (or planned to become) an integral part of its spatial planning processes. A Coastal Area Management Programme (CAMP) for Cyprus was implemented, during

the period 2006–2008, aiming at the elaboration of Integrated Coastal Zone Management in Cyprus. CAMP Cyprus led to the formulation of a National ICZM Strategy, which is currently being in the state of finalization.

2.1.5 Conclusions

Cyprus formally joined the European Union, as a full member, on 1 May 2004. EU accession and harmonization with the EU legal framework led to significant changes to the country's land and landscape. These changes were due to the adoption of European directives and policies and their transposition into national law. However, the relationship between EU policies on the one hand, and their impacts on land use, land cover and the landscape of Cyprus on the other hand, cannot be considered complete, if we do not take into account the current status of a mixture of mainly sectorial policies. In brief, no complete, integrated set of policies has so far been fully implemented. This conclusion is drawn from the sum of the entries in our database, whereby the final outcome is the realization of a gap regarding the level of implementation of EU policies and directives and their impacts on land use/cover and landscape structures/ functions.

2.2 Denmark

2.2.1 Sources of information

This review of Danish literature about the physical impact of European and domestic policies on the landscape was carried out during the summer and fall 2011, at the Department of Environmental Science at Århus University. The material used in this review has been collected from different institutions and agencies, including government authorities, private consultancies and research institutions. Also scientific papers from University scholars were collected through science databases with articles from acknowledged scientific journals.

The search is based on a database provided by Dr. Søren Pilgaard Kristensen, University of Copenhagen, which served as a starting point for the search, providing a collection of potential relevant literature. The review of the database identified a number of relevant studies, and provided some references as input for the onward search. In addition to this, different databases such as Science Direct and Web of Science have been searched. Other sources include internet search engines, as Google Scholar and the national Danish library database (bibliotek.dk). A survey of publications from Danish government agencies have also been carried out. The following agencies and research institutions¹ which have been searched include: The Danish Ministry for the Environment (responsible for environmental policies and spatial planning policy), the former government research institutions; the National Environmental Research Institute (NERI) (now Aarhus University) and Forest & Landscape (now at Faculty of Life Science at University of Copenhagen). Policy evaluations from the Ministry of the Environment have generally been outsourced to private consultancies or government research institutes. A few publications of popular science

¹ The Danish research sector was reformed in 2007, which placed the government research institutions under the universities.

communication have been studied as well as publications from NGOs such as the Danish Nature Council, but with limited results.

2.2.2 Results - Overview of Danish literature

The amount of literature which is dealing with the impact of policy on landscape in a Danish context is relatively limited. 41 studies in form of books, reports and articles have been identified from various sources as described in the methodology. The literature in the form of scientific articles and reports is divided between peer reviewed articles from scientific journals or books and a larger bulk of government funded research reports and policy evaluations, mostly linked to the evaluation and assessment of European policies such as the Danish implementation of the Nitrate Directive (and the Danish action plans for the aquatic environment) and the Rural development program under the European Regional Development Fund (ERDF). Figure 4 shows the distribution of the literature on the various types.

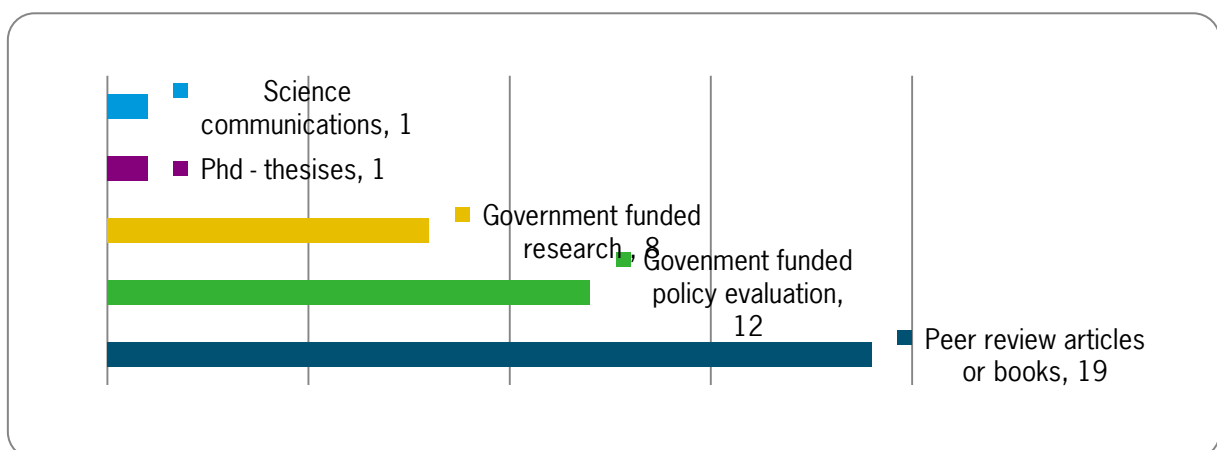


Figure 4: Number and type of identified publications

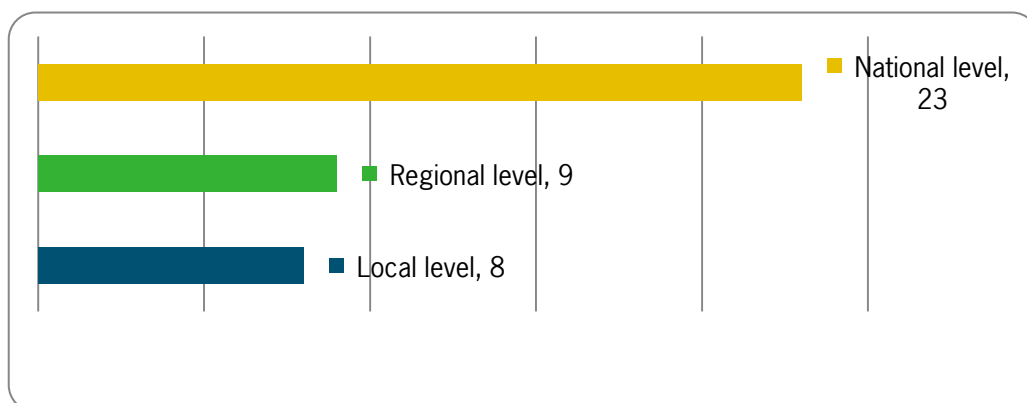


Figure 5: Scale of the identified studies

The scale of the different studies varies from assessments of impacts in a small case area to nationwide analysis of policy impact (Figure 5). Studies at the national level are mainly related to government funded policy evaluation; although some scientific research articles also deal with nationwide assessment of policy impact. The majority of the scientific articles are, however, focused at the local or sub-regional scale, mostly at parish or municipality level. A total of 17 studies at local or regional level, and 23 at national level have been identified. 12 of the studies at national level are funded by the government and evaluate different policies while the others are research articles or scientific reports. The limited number of scientific articles at national scale could reflect the lack of large scale research projects, concerning assessment of policies as drivers for land change. Small case studies at local or regional scale are probably more affordable for researchers at universities to engage in.

The type of studies is quite diverse, including landscape assessment, policy evaluation, land change studies, land use and environmental impact studies (Figure 6). Studies funded by the government are mainly concerned with specific policies, while the studies conducted by researchers at universities or at government funded research institutions generally have a broader perspective, both in time (the period studied) and in terms of the policies studies and their impacts. The majority deal with EU policies (19) but some studies focus on national policies (7), such as the national forest policy, or on national planning issues, such as urban development. Impacts on landscape and land use form the main body of publications; environmental impact, however, is also well represented among the studies. The remaining papers are divided between assessment of impact on water, forestry, subsidies or urbanization. Some studies also focus on policy impact on land change dynamics in a broader perspective, including both domestic and European policies and the international market for agricultural products.

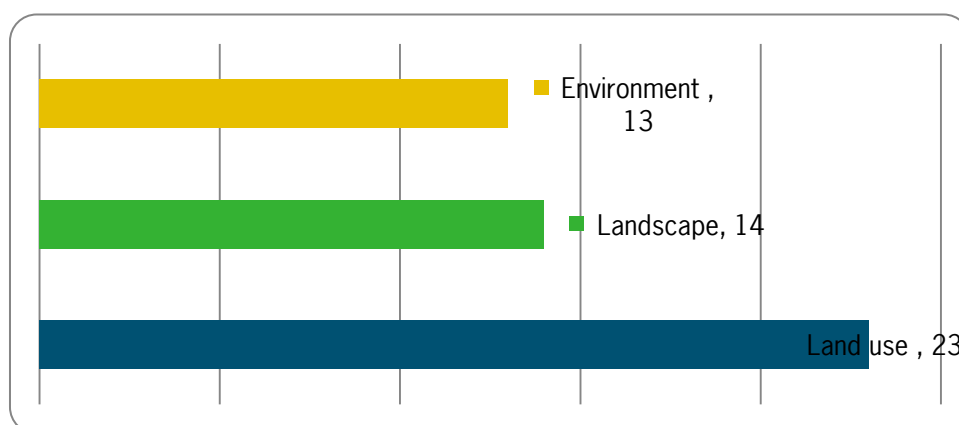
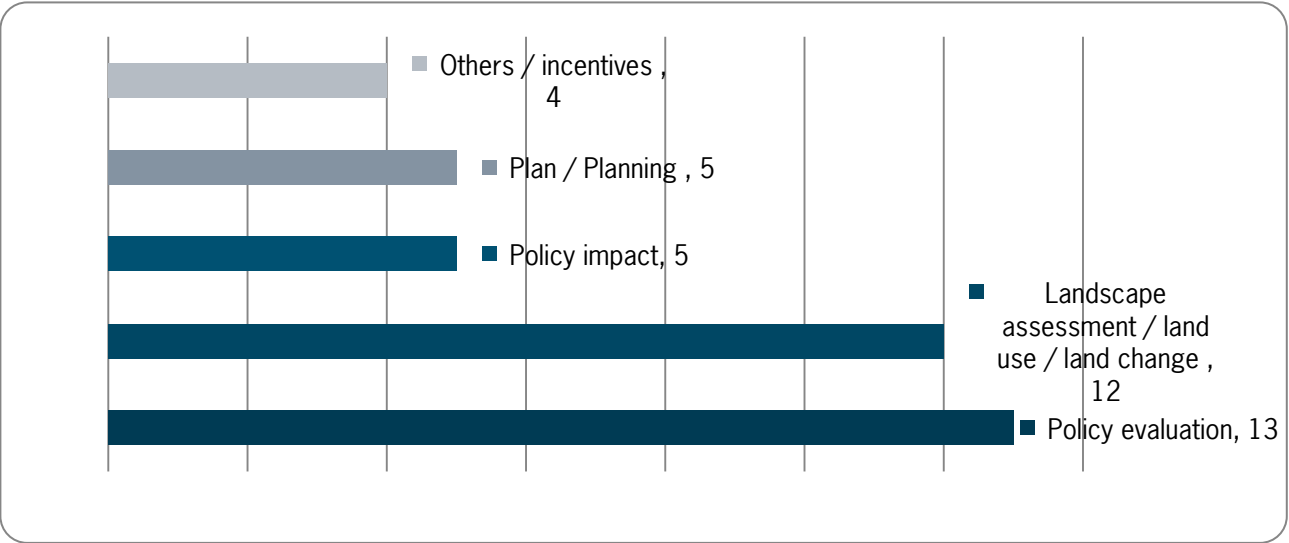


Figure 6: the three most common impacts assessed in the literature

About half of the studies deal with specific policies or trends in landscape change in a time perspective between five years or less, while the others have a time focus of five to twenty years or on long term land change dynamics, typical from the mid-19th century to recent years. The common governance system in the identified studies is national regulations implemented in a typical top down model. This is probably because the Danish government generally tends to implement EU directives as national legislation. However, examples also exist of multilevel implementation and public participation.

The main part of the identified publications deal with policy evaluation at a general level with relatively limited inventories of spatial impacts, beside of some spatial statistical records at national level, with limited relevance for the VOLANTE project. Research articles, however, in general have more relevance for the VOLANTE project, as they include some examples of relatively detailed inventories/modeling of policies impacts at national level. This is the case in the article by Levin & Jepsen (2010). The article is one of the few examples of comprehensive assessments of the spatial consequences of policy changes. Another point of interest for the Volante project is the relatively high number of case studies published in journals, which gives detailed inventories of land use and land cover change in the given case area in connection to different policies. Some examples are the survey of Givskud and Gadbjerg parishes in Jutland (Kristensen et al, 2009) and the survey of Gundsø municipality at Zealand (Busck et al, 2006), which combine long-term (50 years) and medium-term (15 years) land change studies with inventories of drivers such as the international market and domestic and European policies, as well as socio-economic changes among the farmers and rural population.



2.2.3 Analysis of Trends in literature and potential knowledge gaps

As the search on available literature of policy impact in Denmark illustrates, there is not an overwhelming amount of publications. This could possibly be because landscape policies and other environmental legislation is a relatively new phenomenon, dating back to the 1960's. The early research on land change dynamics was devoted to studies of

Figure 7: Type of policy assessed in the identified studies

the status of the landscape and the environment, gaining knowledge about the environmental problems of modern society. This is reflected by a high focus on understanding the ecological processes and mapping of environmental problems such as loss of biodiversity. An example is the Danish small biotope project, which was implemented in order to estimate the loss of biodiversity and habitats in the rural areas and to develop a biotope monitoring program (Brandt et al. 2007). As the main goal of the project was to monitor the landscape, there was only a limited focus on policy drivers of physical changes. The project database of 32 case areas across Denmark, could however be used as input to studies of the spatial impact of policy in the period between 1981 and 2007. As mentioned earlier, the limited amount of literature on the impact of policy is also explained by the fact that most environmental legislation and policies have been implemented during the last twenty years. The first Danish environmental legislation dates back to the early 1970s. The first environmental legislation, however, beside the spatial planning legislation that aimed at protecting the farmland from urban sprawl, was mostly about limiting pollution from industry and urban areas (Fritzbøger 2009). The planning legislation is however quite important as a policy with a spatial impact or consequence in a Danish context. Already in the 1930s the first concepts of planning was created in the region around of Copenhagen, followed by the city planning act of 1938 which required planning of cities with more than 1.000 inhabitants. During the 1960s new planning acts was adopted, dividing the country in different zones, an urban zone, a rural area zone and a zone for summer cottages. This created a clear distinction and strictly controlled the activities that can take place in the rural areas. Only by the end of the 1980s environmental legislation was directed towards the agricultural sector, with the implementation of the first action plan on the aquatic environment in 1987. The EU Common Agricultural Policy has on the other hand had an influence on the Danish landscape as a driver of agricultural intensification, and structural development (enlargement and homogenization) but this impact has not been studied in detail, besides of some general environmental and landscape history.

2.2.4 Environmental policies and institutions

- **The Common Agriculture Policy:** This policy has influenced the landscape in various ways. Both as a driver of intensification of agriculture and as a driver for extensification e.g. implementation of set-aside schemes
- **The European development fund, program for rural development:** The Danish implementation of this policy has been a driver for various environmental measures, such as planting of hedgerows and support for biotope improvement planting.
- **The Water Framework Directive:** The impact of this EU directive has not yet been evaluated, but the 3rd Danish Action Plan of the Aquatic Environment, which was partly agreed to fulfill the requirements in this legislation, has only been assessed in the government funded policy evaluation, with limited spatial inventories and only at national scale. This is also the case of the **The Nitrate Directive:** The two first aquatic action plans aimed at reaching the targets in the Nitrate Directive.
- **National Danish spatial planning legislation:** The Danish national spatial planning legislation has probably had a major impact on the dynamic in the Danish landscape by restricting land use in rural areas to agricultural activities and forestry. This dynamic is mainly studied in connection to urban sprawl in the Greater Copenhagen area. However some of the Danish planning activities have also focused on connecting habitats, through implementation of ecological corridors in the landscape. This planning activity is mainly related to the former Danish counties.

- **National Danish environmental legislation:** Although relatively comprehensive, the Danish nature related legislation focuses primarily on conservation and protection issues, such as rare nature types, biotopes, lakes and cultural history. No studies of the impact of this policy on landscapes have been identified.
- **European habitat directive:** No studies have been identified, which assess the physical impact of the European Habitat Directive.

The list provides an overview of policies which are included in the Danish research. It indicates that there is knowledge gap, concerning the impact of several policies. Some policies have been studied to some extent; this is the case of the Common Agriculture Policy and some spatial planning policies. Other policies have been covered, but mostly as a result of government funded policy evaluations. One example of this is the Rural development program. Other policies have not been identified in the publications reviewed. Several national Danish policies with possible spatial impact exist, but spatial inventories of the national planning have only been identified in connection to urban development in the greater Copenhagen region. Other policies and planning activities such as creation of ecological corridors have not been identified, although they probably have set some spatial footprints.

2.2.5 Conclusions

The overall number of Danish publications on the link between land change dynamics and policy is relatively limited. The quality of the identified studies is also limited due to the lack of in-depth spatial inventories of the policies impacts. However a small number of studies include detailed spatial inventories and have a good quality. These are mostly scientific articles.

The overview of policies which are included in the Danish research indicates that there is knowledge gap, concerning the impact of several policies. Some policies have been studied to some extent; this is the case of the Common Agriculture Policy and some spatial planning policies. Other policies have been covered, but mostly as a result of government funded policy evaluations.

The objective of the literature search was to identify studies linking policies and their spatial impact in a Danish context. In this case, it is quite important to specify what should be included in the search and what should be excluded. Some studies which deal with land change, landscape history and land use change have been identified but not included in the database, because of the strict focus on the link between policy and physical impacts.

2.3 Greece

2.3.1 Sources of information

In Greece the spatial consequences of the policies on land use and landscape are not derived only from European policies, but have also developed from the numerous, fragmented laws and regulations, implemented in recent decades, both at the regional planning level and through legalization and regularization of the existing situation (i.e. legalizing illegal and out-of-plan construction). In this way, our database recordings concern both the status quo of land use/ land cover/ landscape in the country, as well as policy impacts on the latter. However, focus of this study has been to identify studies dealing with the impact of existing policies on Greek land/ landscape. The period

reviewed is limited mainly to the last two decades, but there are also entries presenting the evolution of the land-use situation in the country, since the past century.

The research methodology followed by the Aegean team (Department of Geography, University of the Aegean, Greece), proceeded through archives or databases of public bodies, such as the [Ministry of Rural Development and Food](#); the [Ministry of Development](#); the [Ministry of Maritime Affairs, Islands and Fisheries](#); the [Ministry of Infrastructure, Transport and Networks](#); the [Ministry of Environment, Energy and Climate Change](#) and the [Ministry of Culture and Tourism](#). Specifically, national reports on the state of the country and on issues of European portent, such as climate change, nature conservation and biodiversity, land, water, etc., affecting or pertaining to land use and landscape were investigated. Additional data were located through various electronic search machines, such as Science Direct, Web of Science, the basis of the Law Library, sites like 'Law and Nature', research centres, professional chambers, etc.

The material thus collected and included in the database comes from various institutions and organizations, around the country—including public sector institutions—and various other sources, such as: universities, private organizations, NGOs and various other sorts of agencies, newspapers and other press reports, research institutes, as well as electronic journals and databases of scientific articles and other publications.

2.3.1 Results - Overview of Greek literature

The amount of literature addressing the impact of policy on land use and landscape in the Greek context is a relatively large sample. The complete database (493 records) contains additional documentation studies and reports that provide information on the current status of Greek land/ landscape and the effects upon them by various political pressures and factors outside of European policies, directives and guidelines. Only 215 of our recordings directly associated the latter with landscape effects. References concerning the causes of the current situation adopted a rather broad perspective to their analysis, in a timeframe of several decades.

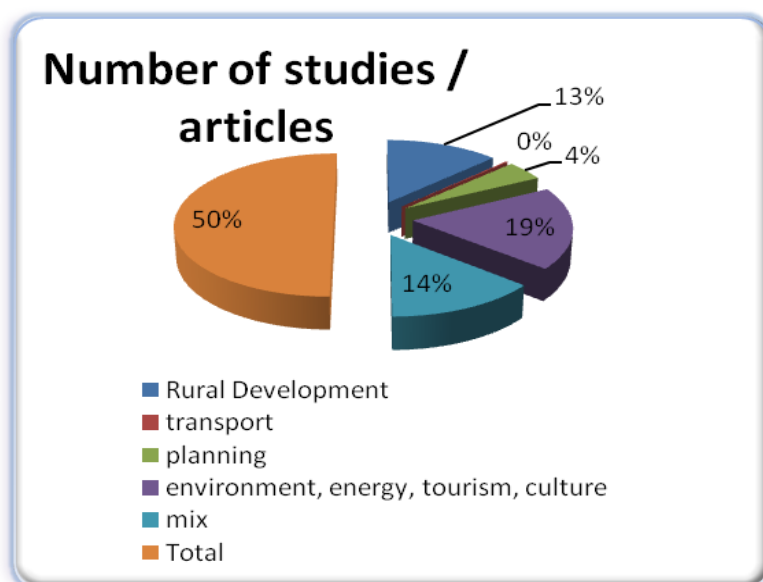
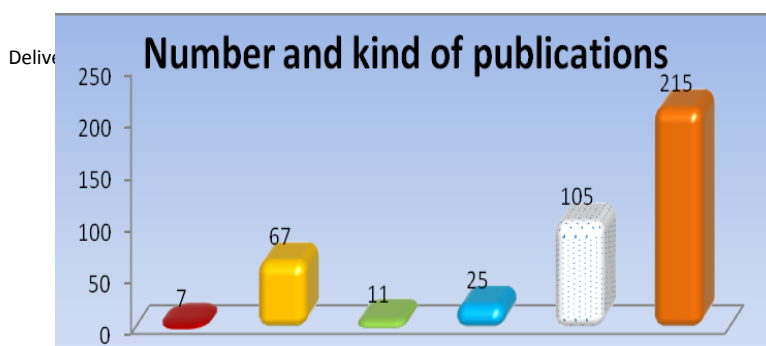


Figure 8: Sectors discussed in the identified publications



The main body of the database (Figure 9) contains scientific literature comprising of peer-reviewed articles in scientific journals or books and of government-funded research reports and policy evaluations, mostly linked to the evaluation and assessment of European policies and their relevance to the case of Greece.

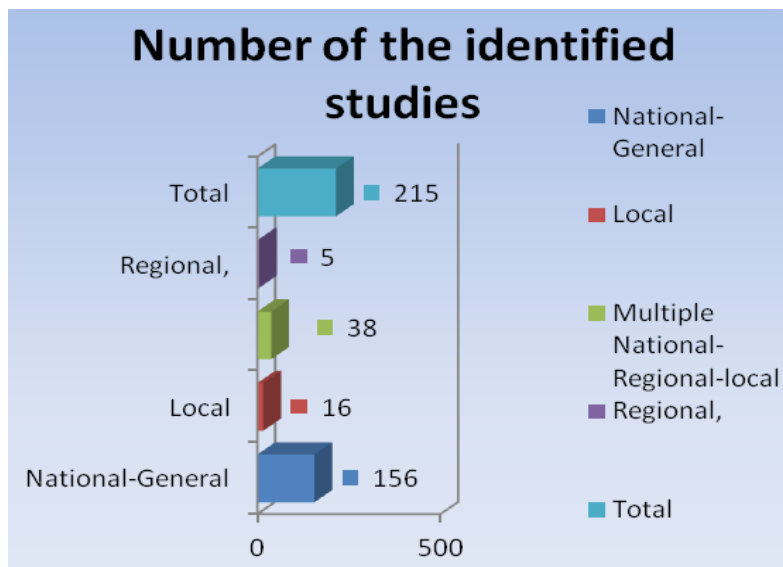


Figure 10: Scale of the identified studies

The larger number of identified publications deals with policy evaluation at a general level and with relatively limited inventories of spatial impacts, except for a number of spatial reports focusing on the national level (the existing situation).

Direct reference, however, to the impacts of European policies on the landscape does not exist in the research surveyed. Research/ studies' conclusions tend to show the current situation and the impact of EU policies in specific case studies.

2.3.2 Analysis of trends in literature

Basic land use and landscape changes in Greece are not due only to European policy--hence the great extent of our database. The issue of land use and land cover change here is complex. Economic, political and social circumstances at the local and regional levels very often crucially interfere with these processes, determining the course of events, at a much higher extent than do demographic changes, public investment in infrastructures or other factors (Pezaros 2011: 182-198).

According to Pezaros (2011), the tendency for such change is especially pronounced in Greece, during the last few decades. Low development rates and the lack of sustainable development planning, in combination with the fragmented urban and regional legal framework, have led to a problematic situation. In many parts of the country, great pressures for urban space availability and rural/ agricultural production are applied to forested and natural lands. Already, forested and other natural lands in these areas are systematically destabilized, due to fires, overgrazing, rampant out-of-plan construction and the creation of new transportation infrastructures. Meanwhile, and as a result of the above impacts on the land, the look of the rural landscape is changing fast, at such rates, as to talk about degraded landscapes in the vicinity of environmentally sensitive parts of the country.

Moreover, maritime space is increasingly and intensively used for professional and amateur fishing, the establishment of fisheries, maritime transportation, recreation activities, etc. The sea also serves—intentionally or unintentionally—as a receptacle of urban and rural refuge and other garbage. In the near future, the usage of maritime space is expected to become even more intensive, through the establishment there of additional

economic activities, such as floating aeolian parks, or other systems of electric energy production. Such multi-functionality in the use of the sea increases the degree of difficulty in managing it sustainably (Pezaros 2011). The data collection from around the country for our literature database brings up issues such as the agricultural overuse of marginal lands, overexploitation of natural ecosystems, land degradation due to the abandonment of traditional rural practices, unsustainable exploitation of land and water reserves by the rural economic sector, exhaustion of non-renewable resources, infrastructure development and the deterioration of the physical environment through tourism/recreation development, landscape destruction through large-scale construction works, rural land deterioration due to the implementation of inappropriate agricultural methods and interventions, the debasement of environmental standards in favor of economic growth, ecological degradation due to illegal construction, the destruction of the landscape by the uncontrolled expansion of urban infrastructures (urban sprawl), unusual human- and physically-induced disasters with long-term repercussions and environmental degradation due to over-employment of toxic or non-biodegradable substances and to (controlled or uncontrolled) refuse disposal.

In parallel with the above, in many coastal areas of Greece, serious land use problems impose negative impacts on the environment, such as land-use conflicts between tourism, agriculture, mining, fishing, residential growth and illegal construction, on the one hand, and land protection regimes (NATURA 2000 areas, landscapes of special natural beauty, Corinne biotopes, marine parks, etc.), on the other hand. No matter how these problems ensue, the Greek legal framework and appropriate mechanisms of urban and regional planning prove seriously incapable of addressing them. Thus, as these pressures stemming from human activity augment today, the application of effective policy to handle them becomes increasingly urgent (Angelides, and Economou 2005, HELECO 2005). Literature sources referring to land/landscape impacts of European policies certainly do not constitute the majority of our database, since the incorporation of EU policies and directives in Greek law has been taking place very slowly, up to-date; this is especially true during this most recent period of June 2010 to May 2012, during which we have—in all sectors of the government—a watershed of laws with mostly (direct or indirect) environmental repercussions, ranging from very positive to very negative (WWF, 2011).

2.3.3 Environmental policies and institutions

The current situation, in Greece, is characterized by a watershed of legislation and changes to both the administrative sector and the legal framework, as concerns the integration of European directives in institutional frameworks and administrative structures of the country. Nonetheless, the most significant EU policies with an impact on Greek land use, land cover and landscape, as they emerge from our database have been:

- **The Common Agricultural Policy:** This policy has been shown to affect the landscape in various ways, both direct and indirect, in tandem with other environmental policies, aiming at the intensification of agriculture, the termination of several agricultural practices, monocultures, agrotourism, land conservation schemes, etc. The implementation of the new CAP brought about significant impacts on key sectors of the economy. A case in point is the abandonment of farming, as, for instance, in the case of 62% decline in the area of tobacco cultivation. Similar examples are offered by the cases of cotton and sugar-beet cultivation. Furthermore, we note the introduction of the basic principles of soil and groundwater protection from excessive use of pesticides and fertilizers; the protection of ecosystems and establishment of NATURA 2000; the prevention of nitrate pollution from agricultural sources (The Nitrates Directive 1991/676/EEC); the proper application of sludge from sewage treatment units; the protection of soil from erosion, combined with the maintenance of its structure and its retention of organic matter, etc.

- **The European Habitats Directive 1992/43/EEC- Birds Directive 1979/409/EEC:** Its impacts have not yet been totally assessed, but their incorporation in the legal framework and its implementation has been evolving. Another important step forward has been the determination of areas under protection, conservation zones, their managing

agencies and the rules and limitations in their protection regimes, as set by the recent legal protection framework—similarly, also, for biodiversity. All of the latter have resulted in an increase in the terms and requirements for out-of-plan construction and construction within areas of the NATURA 2000 network. Significant developments have also taken place regarding the implementation of the Habitats and Wild Birds Directives, as concerns (the decisions on) the identification of measures and procedures to manage SPAs (Special Protection Areas), complete the transposition of directives on wild birds through horizontal conservation measures for SPAs. However, the latter have been accompanied by major problems: the lack of implementation of the Biodiversity Strategy, shortage of funding for the management of protected areas, etc. But there were also positive developments, as concerns protected areas, such as the signature of the President of the Greek Republic of the Decree on the legal protection of 380 small island wetlands.

- **Forest policy:** Significant legislative measures have been introduced regarding forests and forested lands, but, due to their recent introduction, these measures have not yet been evaluated for their implementation and impact on land use/ cover and landscape. Most important, however, is the fact that serious concerns have ensued about the protection of forests, through this new legislation.

- **The 2008/56/EK directive:** Also important as regards the transposition of Directive 2008/56/EC (Marine Strategy Directive) into national law, this directive was instigated in 2011, with significant delay, after the deadline for its transposition expired on 15 July 2010.

- **The EU Landfill Directive 1999/31/EC:** The implementation of this directive is pending and, thus, its impacts on the land have not (could not have) been fully assessed.

Waste management in Greece is a really chaotic and complex matter. The voting of Law 4024/2012, which transposes Directive 2008/59/EK on waste management has been the most notable development on this issue, during the period under review. The absence of clear policies aiming to reduce the volume of waste production, the absence of spatial planning—which does not allow for the proper siting of landfills—the lack of infrastructure and trained personnel in the appropriate authorities and the fierce reactions on the part of local communities have prevented the creation of necessary waste management infrastructure, leading to serious problems in waste management, in Greece.

- **The Water Framework Directive 2000/60:** There has also lapsed considerable delay in the implementation of the Water Framework Directive, in Greece.

During this corresponding period, the most important development as regards to Greece's water policy has been the placement under public consultation of the majority of river-basin management plans (2000/60/EC).

Considerable delay in the implementation of the Water Framework Directive has occurred, which has already led the European Court of Justice to rule against Greece (case 297/11), for failure to complete the plans on time, i.e. until December 2009. Another important development has been the publication by the Ministry of the Environment of the technical report "Quality of surface and underground waters: 2000-2008", which underlines the absence of water management and monitoring policies and presents a number of particularly problematic cases of water pollution and salination, such as the Assopos River, the Amvrakikos Wetland and Dike 66 of Loudias River.

- **The EU biodiversity strategy to 2020 :** it has not been assessed, since it has just been institutionalized in Greek law (Law 3937/2011 - Gaz 60/A/2011- "Conservation of biodiversity and other provisions").

- **The Integrated Coastal Zone Management (ICZM) strategy:** In Greece, the implementation of what is considered an equivalent to a national ICZM strategy has been on-going since 2011, after the preparation of a new spatial framework for ICZM, by the Ministry of Environment, Energy and Climate Change. The implementation of ICZM principles is still at an initial stage. Future progress on this matter, however, is anticipated, since the major elements of the ICZM Protocol for the Mediterranean—which are reflected in the ICZM Spatial Plan of Greece, presently under preparation—match all the ICZM principles.

The relationship that emerges from our database between EU policies and their impacts on land use, land cover and the landscape of Greece, however, cannot be considered complete, if the current status of (mainly sectoral) policies is not taken in consideration.

2.3.4 Conclusions

In brief, no complete, integrated set of policies has so far been implemented such that would lead to concerted, desirable and sustainable changes in land use and the Greek landscape. A gap exists with regard to the level of implementation of EU policies and directives, in order for their full impacts on land use and landscape functions to be assessed and evaluated.

2.4 Italy

2.4.1 Sources of information

The process of data collection and organization was based on the following categorization of research areas (sectors): environment, energy, tourism, spatial planning, rural development, transport, etc. We considered the impact of European and national policies/ measures, directly or indirectly influencing land uses, the land cover and the landscape of Italy. Our basic sources of information, as mentioned above were the main public bodies responsible for land-use matters (Ministries, their Sectors and Directions, etc).

The literature survey proceeded through archives or databases of the European Commission, European bodies (such as the European Environment Agency, EUROSTAT, etc.) and national bodies (Ministry of Agriculture, Natural Resources and Environment, the Ministry of Arts and Culture, the Ministry of Interior, the Ministry of Finance, the Ministry of Commerce, Industry and Tourism, the Ministry of Transport and Works, etc.) and Ministry sector units, such as Institute of Agricultural Research, the Department of Urban Planning, the Agricultural Payments Organization of Italy, the Scientific Research Centre of Italy etc. Specifically, we investigated national and EU reports regarding issues, such as nature conservation and biodiversity, land, water, climate change etc., relating to landscape and land use. Additional data were located through various electronic search machines, such as Science Direct, Web of Science etc.

2.4.2 Results - Overview Italian literature

The extent of literature addressing the impact of policy on land use and landscape in the Italian context is shown Table 2 and includes in total 121 records. More specifically, the scientific literature comprises of peer-reviewed articles in scientific journals or books and of government-funded research reports and policy evaluations, mostly linked to the evaluation and assessment of European policies and their relevance to the case of Italy. The majority of the entries are national reports of the country itself and of European organizations and EU projects. Most of these entries relate to the status quo at country level, until 2004, and after the implementation of the European directives in law and policy (Figure 11). Examples of the latter are the implementation by Italy of the WFD-2000/60/EC, the Action Plans for the Environment (Natura 2000, Protected Areas, Biodiversity, the Birds Directive 1979/409/EEC), the Leader program, the EU Biodiversity Policy, the Maritime Policy, etc. Most database records refer to national level, while some of them deal with the regional-local levels (Figure 12).

Table 2: Number and sector of publications

Sectors	Number of studies / articles
Rural Development	9
planning -transport etc	10
environment, energy, tourism, culture	62
combination of policies/directions	40
Total	121

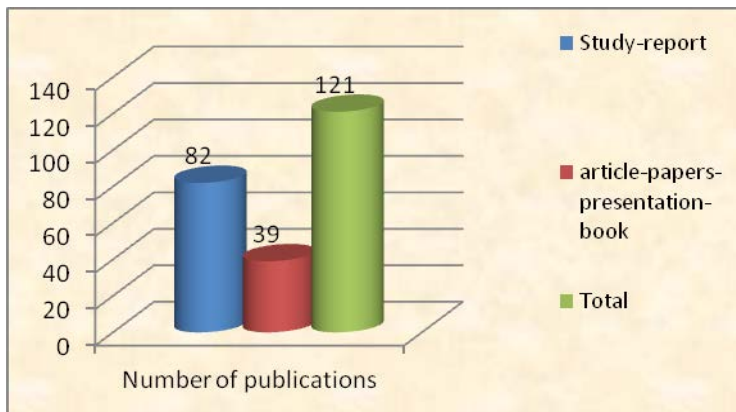


Figure 11: Number and type of the studies

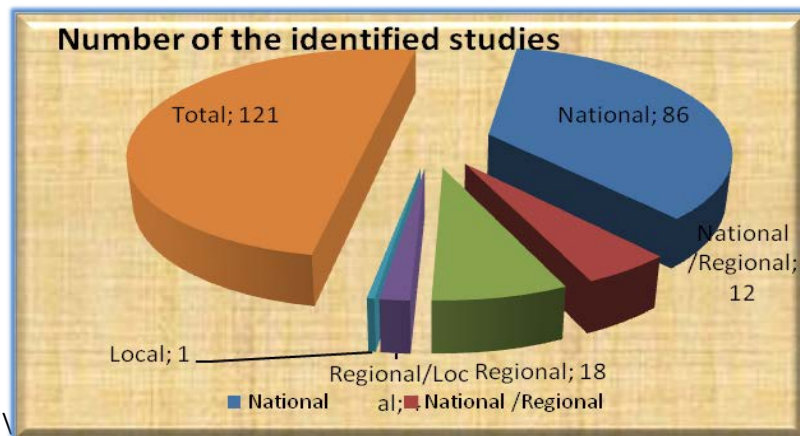


Figure 12: Scale of the publications

Basic constitutive parts of the structure of the Republic of Italy are the municipalities, the provinces, the metropolitan cities, regions and the State. New provisions, setting up a fully polycentric legal system, provide for a sharing of the legislative power between the State and the Regions, whereby local authorities are assigned administrative power, in accordance with the principle of subsidiarity, under which decisions relating to local

communities must be adopted, when possible, by the level of government closest to the citizens. Despite the polycentricity, national reports cover as much as possible the whole land territory. Also, due to the fact that several years have elapsed since the country's accession to the European Union, the implementation of many programs and actions relating to land use/cover and landscape, in many parts of the country, offer Italy the advantage of a broad range of applications and studies on this matter. Nonetheless, it is important to note that studies or articles directly related to the impact of policies on landscape and land uses are minimal.

Of our 121 database entries, identified from various sources, most are national reports, research reports, government reports and policy evaluations, through programs funded by the E.U. National reports, in particular, mentioned the current situation concerning land use change imparted by applied policies, with an emphasis on the environment, spatial planning, agriculture and tourism, while presenting the causes and effects of these changes. Examples of the latter are: the national reference report on the implementation of the Ramsar Convention and the rural development program under the European Regional Development Fund.

The types of studies that have been incorporated into the database, as already mentioned, are diverse; they include both identification and assessments of the current status of land use/ landscape (change), as well as policy evaluations. Most of these, record problems identified in key areas, such as agriculture and environmental land uses. The period covered by our database is mainly the past 50 years, although most national reports--and especially those of government agencies and organizations--are reports of recent years. Many records refer to matters of national policy dissections. Some studies also focused on the effect on the dynamics of land use change policy in a broader perspective, including both domestic and European policies.

It is mainly the national reports that refer to the current status of land applied policies, with an emphasis on the environment and spatial planning, with problems arising from the mix of uses and policy priorities on agriculture, tourism and rural policy. These reports present the causes and consequences of these changes.

Direct references, however, of the influence of European policies on the landscape are minimal at the national level; conclusions are implied by case studies, showing the current situation and the impact of EU policies on the study areas.

2.4.3 Analysis of trends in literature

"The main landscape changes identified in Italy are not only due to the implementation of European policies, but also due to land use pressures, especially in recent decades, caused by driving forces, such as tourism, housing development, demographic changes, and other investments. In many parts of the country, great pressures for urban space availability and rural/ agricultural production are applied to forested and natural lands. Already, forested and other natural lands in these areas are systematically destabilized, due to fires, overgrazing, etc. Meanwhile, and as a result of the above impacts on the land, the look of the rural landscape is changing fast, at such rates, as to talk about degraded landscapes in the vicinity of environmentally sensitive parts of the country.

The data collection for our literature database brings up issues such as the agricultural overuse of marginal lands; overexploitation of natural ecosystems; land degradation due to the abandonment of traditional rural practices; unsustainable exploitation of land and water reserves by the rural economic sector; exhaustion of non-renewable resources; infrastructure development and the deterioration of the physical environment through tourism/recreation development; landscape destruction through large-scale construction works; rural land deterioration due to the implementation of inappropriate agricultural methods and interventions; the debasement of environmental standards in favor of economic growth; ecological degradation due to illegal construction; the destruction of the landscape by the uncontrolled expansion of urban infrastructures (urban sprawl); unusual

human- and physically-induced disasters with long-term repercussions; and environmental degradation due to over-employment of toxic or non-biodegradable substances and to (controlled or uncontrolled) refuse disposal.

A large number of references identified soil degradation processes; a general increase of artificial surfaces to the detriment of agricultural and forest lands; a general decrease of forest and semi/natural areas; desertification; the decrease of farming—especially in the Apennines—harming rural communities (mountainous lands were abandoned because traditional agriculture was no longer profitable); conversion between farming types—internal conversions—mainly due to the transition from old methods of farming to industrialized agriculture; conversion of transitional woodland to forest; the steady growth of big works; coastal area urbanization; and urban expansion, generally speaking (European Environment Agency (EEA)). In parallel with the above, in many coastal areas of Italy, serious land use problems impose negative impacts on the environment, such as land-use conflicts between tourism, agriculture, mining, fishing, residential growth and illegal construction, on the one hand, and land protection regimes (NATURA 2000 areas, landscapes of special natural beauty, Corine biotopes, marine parks, etc.), on the other hand.

2.4.4 Environmental policies and institutions

Italy ratified various international agreements and the implementation of international conventions on nature themes (legislation for nature and land use), such as the Convention on Biological Diversity, the Convention on Wetlands of International Importance (RAMSAR), the Convention on International Trade in Endangered Species (CITES), the Convention on European Wildlife and Natural Habitats (Bern), the Convention for the Protection of Migratory Species of Animals (Bonn), the Convention to Combat Desertification, etc., which ensure the coexistence of economic development and environmental protection. In fact, Italy, among other countries, signed the 1992 International Convention on Maritime Rights (UNCLOS); the Barcelona Convention for the Protection of the Marine Environment and the Mediterranean Coastal Region etc.

Also, several programs directly or indirectly set desertification and environmental protection as necessities and priorities for Italy.

- **The ICZM strategy:** Italy has not yet developed a nationwide ICZM strategy. The Italian National Report on the implementation of ICZM, by the Ministry for the Environment, Land and Sea, 2011, states that: "Although Italy has not yet developed a nationwide ICZM strategy, over these years a host of ICZM-related initiatives, policies, and management tools have been implemented. In fact, in order to implement the ICZM Recommendation, Italy has adopted the policy of defining and building its national strategic plan, developing the project-related subjects and adopting adequate legislation". In the same report, it is mentioned that "The CGIs - Coastal Geographic Information System, is a tool to "gather data and information on the procedures", while another useful tool is "the Cartographic Portal of the Ministry for the Environment (1999)". A full version of ICZM process at the regional level currently applies only in the region Emilia-Romagna (Decree region. 645, January 20, 2005). At the present time, numerous ICZM-oriented development initiatives have been introduced in Italy.

According to the same report, the "CAMP Italy" (Coastal Area Management Program) program was conducted as a pilot project, in different regions of the Mediterranean (Italian National Report on the Implementation of ICZM from the Ministry for the Environment, Land and Sea- 2011).

- **The Common Agriculture Policy:** At the outset, it should be mentioned that, due to the federal nature of the state, Italy has more than one RD Programmes. In general, the Common Agricultural Policy (CAP) has

influenced the landscape in various ways, both positive and negative. The implementation of the CAP has been leading to the following land/ landscape impacts: the transition from traditional to modern agriculture reduces the number of farms and increases farm sizes; traditional farms become less specialized and thus support greater biodiversity than current landholdings; and traditional crop loss appears to be largely irreversible, because it binds to a process of social transformation. Agri-environmental programs seem to be mitigating the impact of the decline of traditional agriculture. According to Marini et al. (2011: 258-267), modern farms should be more involved in biodiversity conservation. Agricultural practices are one of the major causes of human-induced land use changes and exert a significant pressure on natural resources through water consumption, the use of chemical fertilizers and pesticides and their influence on soils, water quality and greenhouse gas emissions (EEA, 2007a).

Generally speaking, the existing national framework for rural policy is very complicated. The CAP identifies measures enhancing environmental protection and combatting climate change, as for instance: measure 211, "Compensatory payments for mountain areas"; measure 212, Compensation payments for areas with other handicaps; measure 213, "Natura 2000 payments and payments linked to Directive 2000/60/EC"; measure 214, "Payments agri-environment"; measure 215, "Payments for the welfare of animals"; and measure 216, "Non-productive investments" (more information about these measures, in the "Data annual implementation report, 2010, Agriculture for the benefit of all, Regional implementation of measures for the sustainable use of agricultural land.

In many articles and reports of the database, there are references about the support of organic farming in Italy and about the pressures exerted by agricultural activities on water resources. Agri-environmental measures allow for the protection of endemic birds in Italy. Moreover, the biodiversity of areas of organic agriculture and the conservation of traditional shrubs are enhanced by the reduction in the use of chemical compounds that directly affect ecosystem balance. Sustainable forest management is expected to increase as a result of the construction of fire lanes and other measures, targeting the reduction of fire risk. Forest-environment payments subsidies, through CAP, should contribute to landscape and nature maintenance and preservation.

- The Water Framework Directive: The Water Framework Directive (WFD) was implemented rather late in Italy and the basic reason for that was the complicated national and regional institutional set-up, characterized by complex interrelationships and relatively poor coordination, resulting into difficulties in integrating the WFD in Italian Law. In Italy, the concept of planning at the basin level was established by Law 183/1989. The basins were designed for water protection, regional conservation plans provided a tool for the design of measures to achieve the environmental objectives. "Directive 2000/60/EC has divided the country into eight river basin districts and each district provides for the preparation of a management plan, assigning the responsibility to the authorities of the river basin district. A new law in 2009, for extraordinary water resources and protection of the environment, provides for the adoption of management plans, carried out by the Institutional Committees of the Basin Authority of national importance, supplemented by members designated by regions whose territory lies in the district to which the plan refers" (Ministry of 'Environment and Protection of Land and Sea).

As mentioned above, on the one hand, similar levels of governance and administrative divisions of the country are hierarchically identified, between levels of management government (region, province and basin). On the other hand, each region has its own rules and responsibilities in relation to water; while the provinces has the authority at the local level. Finally, in 2009, a catchment basin authority was established

in each region and given the responsibility to prepare a management plan for each river basin area, running, however, the risk of heterogeneity in its results.

- **National environmental legislation:** – Italy has signed international environmental conventions; it has ratified and implemented the Protocol on Biosafety; and has also ratified the Kyoto Protocol on climate change. All in all, environmental legislation has been implemented in Italy, for decades. Particular emphasis must be placed on the fact that Italy is involved in many multilateral environmental agreements to protect biodiversity and has implemented a series of environmental directives. For example, the Birds Directive was transposed by Law 157/1992 and the Habitats Directive has been fully transposed into Italian law by Presidential Decree 120/2003. Another important convention has been the Convention on Biological Diversity (CBD). Specifically, in Italy, there are 774 protected areas: 23 national parks, 22 natural marine reserves, 146 state nature reserves, two underwater museums, one international marine reserve for the protection of cetaceans, 105 regional parks, 335 regional natural reserves and 141 other protected areas. In addition, there are 2280 SCI (Sites of Community Importance), defined by Italy pursuant to Council Directive 92/43/EEC and 590 SPAs (Special Protection Areas), classified by Italy according to Directive 79/409/EEC. Regarding the percentage of forest cover, around 35% of the country is currently covered by forests. In recent years, there have been several actions to improve and disseminate knowledge about biodiversity and to sensitize various stakeholders on the objectives of the Convention on Biological Diversity. These actions have allowed for a "new deal", including a new national coordination initiative for biodiversity. Moreover, Italian national policy on natural protected areas was actively supported by COP7.
- Another important reference for the conservation of biodiversity is the Framework Law on Protected Areas 394/1991. Furthermore, 12 'Action Plans' have been implemented for threatened species of fauna, while 3 'Guidelines' have been drawn up to manage species that damage native fauna and natural habitats (The European environment – state and outlook 2010, Country assessments, Italy).

Although the system of protected areas and NATURA 2000 Network require improvement, they make a considerable contribution to conserving biodiversity. Finally, of significance is also the fact that Italy developed a National Action Plan for Combating Drought and Desertification (NAP), in 1999.

- **National European Landscape Convention:** ELC was ratified by Italy in 2006. A specific policy document, Landscape Heritage-Cultural Heritage and Landscape Code, incorporating landscape issues, has applied in Italy, since long before the ELC. According to the Document of the Secretariat General Cultural Heritage, Landscape and Spatial Planning Division, Directorate of Culture and Cultural and Natural Heritage, 2009, "Italy has fully integrated the landscape into the policies indicated in article 5 and has indicated the methodologies of landscape planning, provided for the joint planning between State and Regions for landscape areas and heritages, in articles 135 and 143 of the Cultural heritage and Landscape Code.

2.4.5 Conclusions

To conclude, it is important to note that changes in land use have been identified in many regions of Italy, and that this has resulted in many problems —in terms of pollution; effects on the soil, the landscape and rural areas; coastal area urbanisation, the decrease in farmland, etc. The European Directives directions have had both positive

and negative impacts, in this respect. Despite the fact that decades have elapsed since their adoption, there has been a delay of implementation and improvements are required. In brief, no complete, integrated set of policies has so far been fully implemented as regards land use/ cover and landscape, in the country. This conclusion is drawn from the sum of entries in our database, where the final outcome is the realization of a gap in the level of implementation of EU policies and directives by Italy and in their impacts on land use/cover and landscape structures/ functions.

2.5 Malta

2.5.1 Sources of information

This overview of literature deals with the impact of EU and national policies (standing laws and regulations) on the landscape, on land use and land cover, and examines the spatial consequences of those policies.

The Malta literature survey, proceeded through archives or databases of the European Commission, European bodies, such as the European Environment Agency, EUROSTAT, etc., and national bodies, such as the Malta Centre for Fisheries Sciences, Malta Maritime Authority, Malta Resources Authority, Ministry for Resources and Rural Affairs, Department of Information, Ministry of Health, Ministry of Resources and Rural Affairs, Agriculture and Fisheries Regulation Department, Planning and Priorities Coordination Department, etc. Specifically, we investigated national and EU reports regarding issues such as nature conservation and biodiversity, land, water, climate change etc., affecting landscape and land use. Additional data were located through various electronic search machines, such as Science Direct, Web of Science, the database of the Law Library and libraries of various NGO's—for example, BirdLife Malta Organisation (Founded in 1962 as MOS: Malta Ornithological Society), etc.

The period examined is limited mainly to the last two decades, but some entries show the evolution of the land-use situation in the country since the beginning of last century.

2.5.2 Results - Overview Maltese literature

The extent of the literature addressing the impact of policy on land use and landscape in the context of Malta is shown in Table 3. Scientific literature comprises of peer-reviewed articles in scientific journals or books and of government-funded research reports and policy evaluations, mostly linked to the evaluation and assessment of European policies and their relevance to the case of Malta. The majority of the entries are national reports of the country itself and of European organizations (

Table 4). Most of these entries relate to the status quo at country level, until 2004, and after the implementation of the European directives in law and policy. Examples of the latter are the implementation by Malta of the Action Plans for the Environment (Natura 2000, Protected Areas, Biodiversity), the Birds Directive, the Rural Development Program under the European Regional Development Fund (ERDF), the Nitrates Action Programme, the National Agricultural Policy (Rural Development Programme for Malta 2007 – 2013), the Leader program, the Water Framework Directive, etc.

Table 3: Number and type of identified publications

Sectors / directions	Number of studies / articles
Rural Development	9
Transport	5
Spatial planning	6
Environment, energy, tourism, culture etc	37
Mix	18
<i>Status quo Mix report -EU</i>	40
Total	75

Table 4: Number and type of identified publications

Number and type of identified publications	
Type of identified publications	Number of publications
article-papers-presentation-book	21
Study-report in national level & National report-country report	54
Total	75

Almost all of the publications deal with policy evaluation at the national level, very few address the regional-local levels (Table 5). This, however, is logical since Malta is a fairly small island, and the difference between local and national scale is small.

Table 5: Scale of the identified studies

Scale of the identified studies	Number of the identified studies
National	71
Regional	2
Local	2
Total	75

2.5.3 Analysis of trends in literature and potential knowledge gaps

Most of the studies and articles listed in our database deal with the current state of the environment, the changes identified on the land of Malta and the evaluation of relevant policy or its implications, by category. They also detect and refer to changes of land uses and landscape, indirectly. A large number of studies (40) present the

current situation, the change of land use, landscape and environment, as well as identified environmental problems and threats.

The fact that Malta only joined the European Union in 2004, despite the fact that environmental laws are relatively recent policies, promoted during the last several decades is possibly the reason for the lack of studies on the impact of European policies on land use change and the landscape of Malta.

The legal framework of Malta was set out in the act of 'Development Planning 1992', through which the Planning Authority, first established, along with a detailed and hierarchical system of development plans and planning policies, based on land-use change decisions. The main landscape changes identified in Malta are not only due to the implementation of European policies, but also to the land use pressures, especially in recent decades, caused by driving forces such as tourism, housing development, demographic changes, and other investments. Such pressures have been exerted, in many parts of the country, on factors affecting land use, such as agriculture, conservation of natural and cultural heritage resource management, housing, transport. There have been intense pressures for coastal urbanisation, over the past decades. Tourism, including domestic tourism, also constitutes a major pressure in coastal and marine areas and is considered as a major driving force of change, since it contributes to population growth and to raising pressures for hotel, holiday apartment and marina development.

Malta does not have direct support schemes for its farmers, since 2002. However, its agriculture sector benefits from high protection through a system of import levies, applying to certain products and high transport costs. Malta is committed in principle to dismantling these levies, but no progress can be reported on that, so far. After its accession to the EU, in 2004, the agricultural sector is governed by the Rural Development Plan (2004-2006, 2007-2013), designed to improve the competitiveness of this sector--the rural environment and quality of life--which is addressed through the use of agri-environmental measures, through which farmers receive financial benefits for business-friendly conservation measures, such as organic farming and rural infrastructure management--for example, the preservation of dry stone walls. Specifically, agri-environment schemes and the EU's Less Favoured Areas (LFAs) measures have been established in Malta, through both the 2004-2006 Rural Development Plan and the 2007-2013 Rural Development Programme. The 2004-2006 Plan included an agri-environment scheme to promote the protection, maintenance and enhancement of the traditional rural environment of the Maltese islands.

Environmental issues are becoming increasingly important in Malta, as can be seen by the increasing budgetary focus on this sector. The 2010 biodiversity target was addressed through the development of the National Biodiversity Strategy and Action Plan for the Maltese Islands. In this context, Malta has made progress with protecting species and habitats of importance.

Nature protection contains important measures, bearing significant impacts on rural areas. Nature conservation policy is guided by the EU Habitats and Birds Directives and the related national legislation.

Water issues in Malta are regulated through the Water Framework Directive and its related national legislation under the Malta Resources Authority Act and the Environment Protection Act. The principal considerations in the latter are the control and coordination of activities on land, that might have a detrimental effect on water quality, by means of a water catchment management plan.

2.5.4 Environmental policies and institutions

The major EU policies with an impact on Malta land use, land cover and landscape, have been:

- The **Common Agricultural Policy**: This policy has been shown to affect the landscape in various ways, both direct and indirect, in tandem with other environmental policies, aiming at the intensification of agriculture, the termination of several agricultural practices, monocultures, land conservation schemes, etc. This brief review of environmental trends and issues has shown that the Maltese landscape remains largely dominated by agriculture, which carries an important stewardship role in ensuring countryside quality. It also shows, however, that the rural environment faces serious threats, such as land abandonment, loss of dry-stone walls, waste dumping and agricultural land reclamation. It also highlights that the Rural Development Plan's agri-environmental measures exploit the synergies between agriculture and the environment and should be sustained and resourced in the future. A high quality rural environment has a major role in providing an improved quality of life. Thus, recent initiatives to develop management plans, facilitating the improved management of competitive land uses within designated areas, enable a more "comprehensive approach to countryside management. These management plans will also play an important role in ensuring countryside quality" (The European environment – state and outlook 2010-Country assessments-Malta-Land use).

- The **European Habitats Directive** 1992/43/EEC: Its impacts have not yet been totally assessed, but its incorporation in the legal framework and its implementation have been evolving. "Malta has made significant progress in the protection of species and habitats that are important. An analysis of 189 Maltese species of international importance indicates that 183 (97%) of species of international importance protected under the laws of Malta. These figures contrast sharply with the protection regime in 2002, when 39 % of species of international importance were unprotected" (Convention on Biological Diversity, Country profile-Malta). All of the latter have resulted in an increase in the terms and requirements for out-of-plan construction and construction within areas of the NATURA 2000 network.

- The **Water Framework Directive** 2000/60: the implementation of this directive has not been totally assessed.

-The **EU biodiversity strategy** to 2020 : also, not assessed.

However, the relationship between EU policies and their impacts on land use, land cover and the landscape of Malta, cannot be considered complete, if we do not take into account the current status quo of a mixture of mainly sectoral policies. In brief, no complete, integrated set of policies has so far been implemented. This conclusion is drawn from the sum of the entries in our database, where the final outcome is the realization of a gap regarding the level of implementation of EU policies and directives and their impacts on land use/cover and landscape structures/ functions of Malta.

2.5.5 Conclusions

Malta is a rather small island, and the studies have been limited. No real distinction can be made between 'national' or regional studies, due to this scale. Implementation of policies seems to be lagging behind, which is also related to the fairly recent accession to the EU.

2.6 The Netherlands

2.6.1 Sources of information

Although the focus was primarily on Dutch case studies, also papers on Belgium were included, which seemed a logical consequence since the same journals form a platform for these studies, or as a result of cross references in the literature.

The literature search was done in the library catalogue of Wageningen (De Haaff Library) as well as scientific journals, both Dutch and international journals such as *Landscape Ecology*. The primary search was on Dutch language publications, but also English articles were included.

In addition, specific dedicated journals were searched for publication of relevant articles (in the Netherlands e.g. articles in the journal 'Landschap', over the past 10 years, and the journal 'Landwerk'). Also publications from research organisations were checked for case studies which fit these descriptions, in particular the National Planning Agency (Milieu en Natuur Planbureau, later the WOT), the Agricultural Economical Institute (WUR-LEI) and the land consolidation office (Dienst Landelijk Gebied).

2.6.2 Results - Overview of Dutch literature

The amount of literature which is dealing with the impact of policy on landscape in the Dutch context is rather limited. In total we identified some 27 papers or studies that met the criteria as described in par. 1.1. Some 4 are English language papers, the others are in Dutch.

The scale of the different studies varies from assessments of impacts in a small case area to nationwide analysis of policy impact. Most publications focus at the national or regional level (12 vs. 11, see Figure 13). Publications at national level are mostly dealing with governance, and evaluation of policies which have impact at the landscape or spatial development. Not all these publications describe in detail the impact at the landscape, some only deal with particular impacts such as farm economy.

Some three studies focus on Flanders, Belgium, whereas two publications make a comparison between areas in different countries in Europe. The smallest area measures some 32 km² and in Belgium from less than 1 to 10 km.

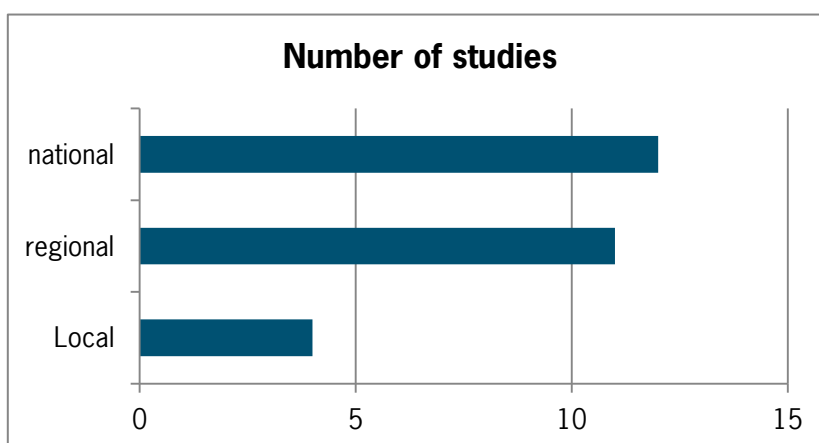


Figure 13: Scale of the identified studies

The studies at local level are focused at the Municipality, since this is also the lowest level where decision making at spatial development is taking place. One of these local cases (Epe-Vaassen) is adjacent to the WP1 case study area Heerde municipality, and provides interesting insights in landscape change over time (Veeneklaas et al. 2004).

The time frame differs, from a comparison for a limited period of a few years, up to 150 years, more or less the period that reliable topographical maps were prepared. Most papers however deal with a period of some 10 years only. The approach is rather ad-hoc, and rarely covers a pre-defined strategy, often based on field observations and whatever supporting materials are available. Some studies have a methodological background, where it is assessed how landscapes can be compared or how a monitoring framework can be set up or how reliable maps are for sampling areas (Koomen et al. 2006; Nieuwenhuizen and Roos-Klein Lankhorst 2007; Verburg et al. 2009).

The type of studies is quite diverse, including landscape assessment, policy evaluation, land change studies, land use and environmental impact studies.

In the database 'various' Policies were mostly covered: in total in 9 studies (Figure 16). Many publications also deal with Natura2000 (9 in total) here is rarely differentiated in birds directive or habitats directive. Several papers compare different policies, e.g. CAP and Natura2000, WFD and Natura2000, or discuss specific rural development programs. The graph also shows that many policies are interwoven, and cannot be split into e.g. just CAP or just WFD.

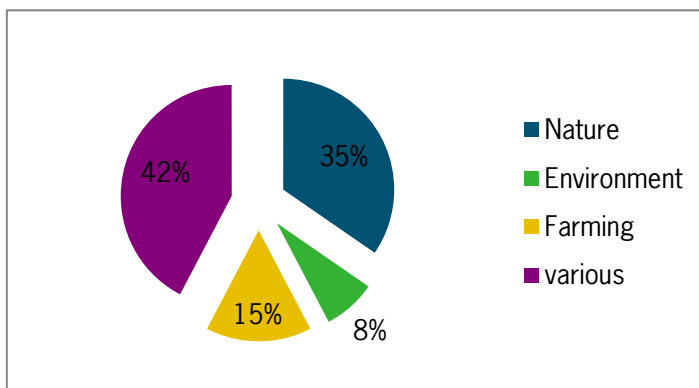


Figure 14: Policy sectors discussed in the publications

If the information is summarized, most publications deal with 'various policies' or with 'nature' (Figure 14). Most publications assess how the policies impact landscape and farming (6), or just landscape (5) (Figure 15). Others deal specifically with the implementation, the governance aspect of policies (4) or governance in combination with aspects like water or nature. This is obviously a result of the scope of the literature search, which has a bias on landscape, land use and nature.

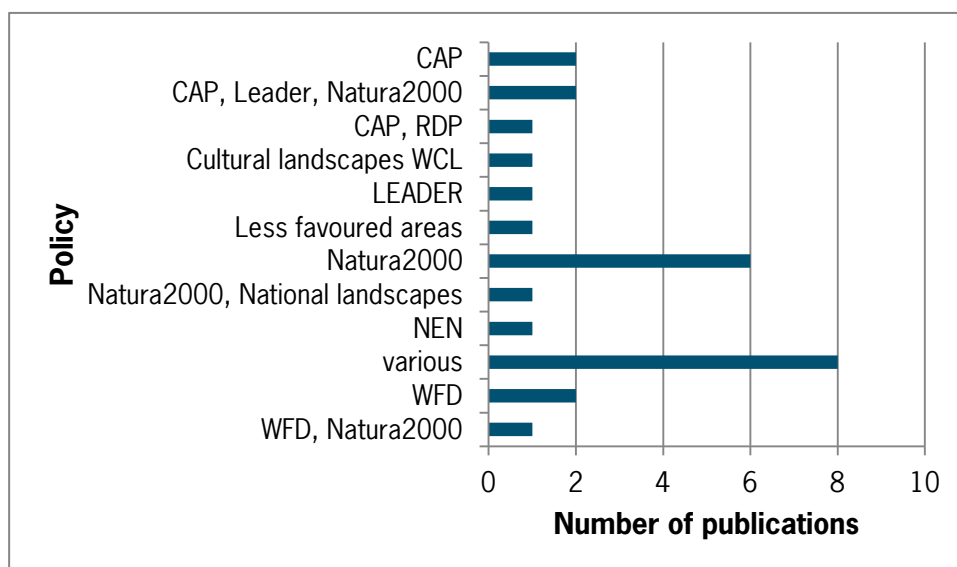


Figure 16: Type of policy assessed in the identified studies

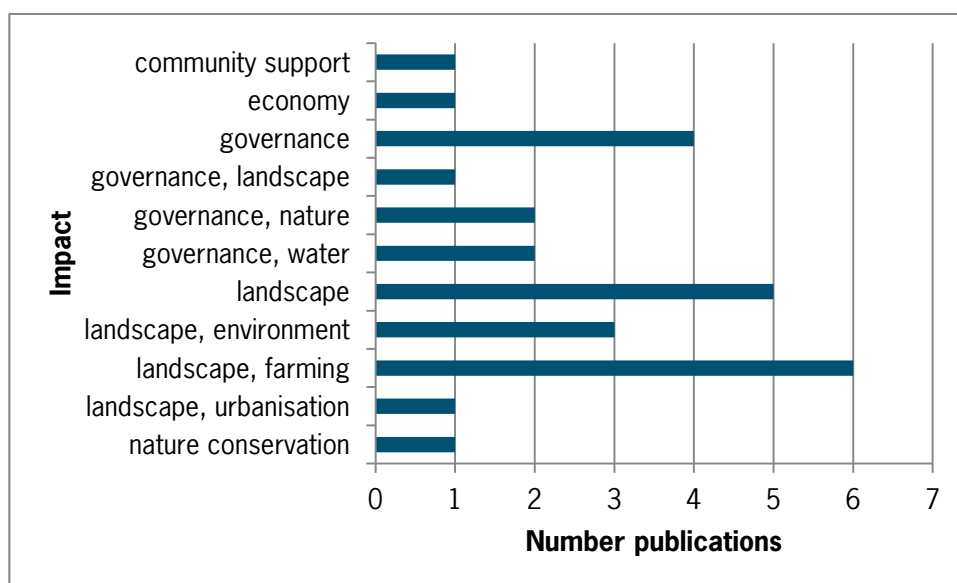


Figure 15: The impact assessed in the identified studies

2.6.3 Analysis of Trends in literature and potential knowledge gaps

There is in fact very little specific ex-post evidence of policy impact on land use/landscapes. Papers as presented in the report mostly deal with either a general discussion on policies, and its impacts, rarely documented with detailed and hard facts and figures.

Alternatively, the publications focus only on certain aspects of policy, e.g. decline of landscape quality –however still very valuable because quantifying local changes- for two municipalities (Veeneklaas et al. 2004). Others deal more with the effectiveness of policies, again without hard evidence but based on circumstantial evidence (Kranendonk et al. 1999; Molen et al. 2006; Pleijte et al. 2000).

Two outstanding studies are dealing in particular with farming: one report evaluating impacts of farming at a national scale for different landscape or geographical regions in the Netherlands (Agricola et al. 2010). Each region is discussed with regard to changes in land use and landscape character. However, urban and nature areas have been excluded from this study, and the focus is on farming and land use.

The second study deals with the evaluation of the environmental measures of the CAP ('Programma Beheer' and 'Subsidieregeling Agrarisch Natuurbeheer'). However, the evaluation was done on the basis of available statistics, and a limited effort to assess results in the field. Therefore, no specific landscape comparisons were made based on maps, but merely an assessment of effectiveness and realization of targets, which makes it less suitable for our purpose.

At the local level the discussion on decline of landscape quality for two municipalities is of interest. Here indeed a comparison is made of the landscape, with use of topographical maps and aerial photographs. It is even more interesting since one of the areas is near the Heerde case study area in the Netherlands, and many parallels can be found in this area. The oldest landscape descriptions date back centuries. However, specific landscape elements are evaluated, e.g. village expansion areas, industrial sites, 'horsification' of the landscape, infrastructure etcetera.

2.6.4 Environmental policies and institutions

Main policies discussed in papers for the Netherlands are:

- The Common Agriculture Policy: This policy has influenced the landscape in various ways. Both as a driver of intensification of agriculture and as a driver for extensification.
- European habitat directive: No studies have been identified, which assess the physical impact of the European Habitat Directive.
- The Water Framework Directive in relation to large scale policies for river management (the "Room for Rivers" program).
- Nitrate directive, and spatial planning in particular for intensive agriculture

2.6.5 Conclusions

Most striking is that no papers or publications were found on the impact of policies on case study areas, which provide empirical evidence of changes (or stabilization) as a result of policies. Papers are either of a general nature, describing the general impacts of policies, or they evaluate at a national or regional level how the policy has been implemented, often with statistics of farmers supported or funds spend.

There is a knowledge gap concerning the impact of almost all policies. Some policies have been studied to some extent; this is the case of the Common Agriculture Policy and Natura2000.

2.7 Romania

2.7.1 Sources of information

The literature survey regarding land use and landscape change under the influence of European and national policies in Romania was carried out at the Department of Systems Ecology and Sustainability, University of Bucharest (UNIBUC).

The main sources of bibliographic materials were the Central University Library and websites for all the national journals recognized by the National Council for Scientific Research in Higher Education, the Information and Documentation Centre in Systems Ecology and Sustainable Development and different databases for scientific information and documentation as SpringerLink and ScienceDirect. Websites of the Ministry of the Environment and Ministry of Agriculture and Rural Development were also searched. The search of the Ministries websites was not conclusive; the documents posted on-line were mainly informative synthesis for different policies or reports evaluating the compatibility of different strategic objectives pursued in different strategies in accordance with EU requirements.

2.7.2 Results - Overview of Romanian literature

The search for scientific literature dealing with land use and landscape change and policy had also limited results, 39 titles being selected, in forms of 3 reports, 4 books chapters and 32 articles, half of them peer reviewed articles from international scientific journals (Figure 17).

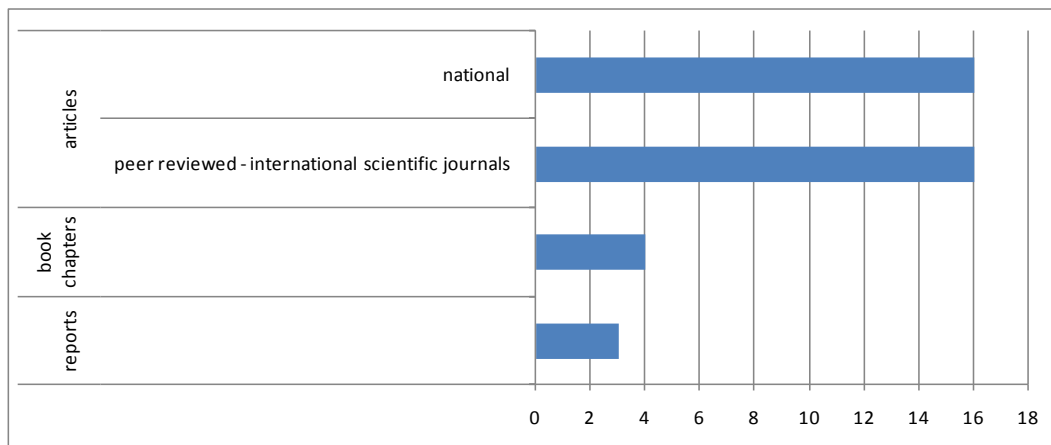


Figure 17: Number and type of identified publications

The scale level (Figure 18) of the studies varies from local to national, the majority being at regional (13) and national (11) level. Local case studies are sometimes used for extrapolation at county (Fraser & Stringer 2008, Kuemmerle et al. 2009) and regional (Pătroescu & Niculae 2010) scale.

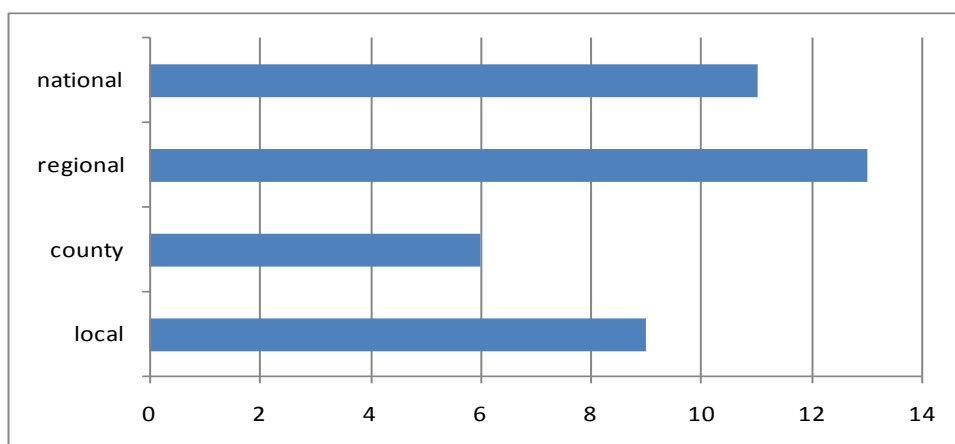


Figure 18: Scale of the identified studies

The majority of the studies (26) are related to land use / land cover changes or general landscape / biodiversity assessments (Figure 19), their spatial extent covering from local to national scale, the policy evaluation studies (9) are in general at national level, only 2 of them focusing at local level by analyzing the management plan for a community-owned forest (Sandulescu et al. 2007) and a protected area (Bellamy & Georgescu 2008). The rest of the identified studies are 2 participatory planning (Szabo et al. 2008, Stringer et al. 2009) and the other 2 are dealing with land reallocation rationales (Amblard & Colin 2008) and decisions (Vidican 2008).

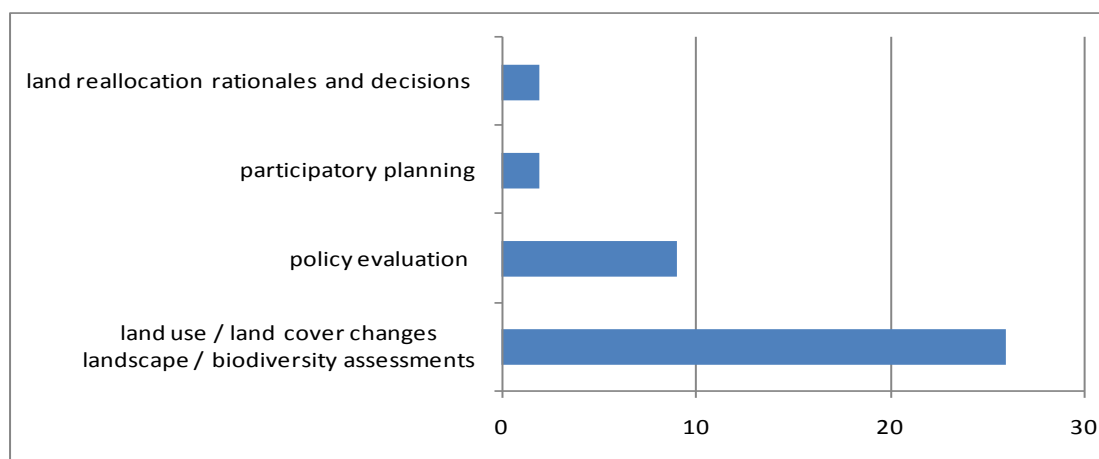


Figure 19: Type of the identified studies

2.7.3 Analysis of trends in literature and potential knowledge gaps

The majority of the identified literature is focused on the assessment of land use / land cover change or of the landscape structure, mainly since 1990 onwards, few studies covering a longer period, beginning of the 17th (Fraser & Stringer 2008), 18th (Licurici 2010) or 19th century (Vadineanu 2001, Vadineanu et al. 2003). The changes are

attributed to the political drivers, especially agricultural policy, in a general matter and usually is discussed the Romanian post socialism land reform. There are some papers that indicate the existence of very good spatial data that are of interest for Volante, eg. Kuemmerle et al. 2009, Lakes et al. 2009, Muller & Kuemmerle 2009, Vadineanu 2001, 2003, 2009.

No spatially explicit studies of the impact of Natura2000, CAP or WFD on landscapes have been identified, although in the database some articles are included that provide a general evaluation of the impact of implementing some EU policies, eg. Iojă et al. 2010.

2.7.1 Environmental policies and institutions

The main policy instrument available for agricultural and rural area was the SAPARD program and the related „National Plan for Agriculture and Rural Development”/ NPRD/ 2000-2006. The EU financial support allocated from SAPARD has been available to a wide range of pilot micro-projects dealing with all kinds of aspects of the land reform and rural development, clustered in 4 groups (axis) in the NPRD/2000-2006, and to micro-projects dealing with the development of organizations, institutions and capacity (administration, farmers and other rural agents) which have to allow the implementation the post-accession programs. A particular policy instrument, important for the applying agri-environmental measures, was the EU-Life-Nature Program.

The National Strategy for Biodiversity Conservation and Action Plan (NSBC-AP)/ 2000-2010 might be also viewed as an important policy instrument in the field of restoration and conservation habitats. The objectives of 27 co-financed (8.4 mill. Euro from EU and 4.9 mill. Euro Ministry of Environment and Forests) life nature projects implemented between 1992 – 2006 have been established in accordance with identified priorities listed in NSBC-AP and EU- Habitat and Birds Directives (<http://ec.europa.eu/life>).

The Ministry of Agriculture and Rural Development has the leading role for development and coordination the “rural development policy and programme”. From the political and legal perspective it is supposed to be established a strong and effective cooperation with the Ministry of Environment, Water Management and Forests which has the leading role in policy and programmes elaboration and coordination for environment, water and forests. The implementation of agricultural policy and programmes, with their very specific objectives and targets, was the responsibility of the “County’ Directorates for Agriculture” (CDA) in cooperation with the county and municipal administrations, regional and local “cadastral offices” and new established “Agency for Technical Assistance in Agriculture” (ANCA/1997).

For the implementation of first (pre-accession/2000-2006) and second (post-accession/2007-2013) NPRD have been created specific institutions such as:

- National Agency for SAPARD and its regional offices in charge for the implementation the SAPARD programme through the NPRD/2000-2006 and later (2007) renamed as National Authority for NPRD (2007-2013) implementation;
- Agency for Administration of State owned land (ADS);
- National Agency for Fishery and Aquaculture (NAFA) in charge for policy implementation regarding conservation and management of aquatic resources;
- Agency of Payments and Intervention in Agriculture (APIA) in charge for technical and financial implementation of European funds (EFAG, EFARegionalD);
- Agency of Payments of Rural Development and Fishery in charge for technical and financial implementation of the EFA RuralD);

- National consulting and Training Agency: These specific institutions established during preparatory and accession phase for the implementation of agricultural and rural development program have or should have close links with other complementary institutions like:
- National Agency for Forest Management/ ROMSILVA and its local offices for forest management;
- National and River Basin Authorities for integrated water resources management;
- National and regional Agencies for Environment Protection;
- County and municipal authorities.

2.7.2 Conclusions

The link between policy and impact on landscape in Romania is not very well documented. Planning appears to be based very much on a sectoral approach, studies are being focused on landscape or policy analysis. There are made cross-references, but in a general way, the socio-economic and political issues are indicated as drivers for land-use / land-cover change, but a specific policy is not analysed in a detailed spatial analysis of impacts.

There is a knowledge gap concerning the level of implementation of the EU policies and directives and their impacts on land use and landscape structure in Romania, especially considering that Romania ascension in EU is relatively new member state (since 1 January 2007) and that the transposition, implementation and enforcement of EU acquis require a considerable amount of time.

2.8 Sweden

2.8.1 Sources of information

This review of literature about physical impact of policy in landscape in Sweden was carried out during the summer and fall 2011, at the Department of Environmental Science at Århus University as a part of the VOLANTE project. In The material for this review of the research on impact of European policies in Sweden, have been collected from different institutions and agencies, including both governmental institutions, private consultant agencies and research institution e.g. government funded research institution. Also scientific papers from University scholars were collected through science databases with articles from peer reviewed journals.

In order to focus the literature search and create a prioritized output, it was decided to focus on literature strictly linking different policy with some kind of spatial change.

First and foremost the study included in the database needs to have a clear link between policy, both national and European and change in the physical landscape. This criterion excludes a number of studies dealing with either landscape or policy. An example could be a study which assesses the ecological condition of habitats, but without linking the ecological condition to general or specific policies affecting the habitat. It could also be studies which only focus on policies and which does not assess the impact of the policy on landscape. The objective of this literature review is to identify studies dealing with impact of already implemented policies, therefore studies of new policies or of different policy scenarios have to be excluded as their assessment is about the future impact of policies or policies that might be implemented. Therefore some simple criteria have been established: below.

In order to be included in the review the work must have one or more of the following features:

- Should have a relatively clear link between policy and impact on landscape e.g.
- Should include a spatial inventory of the spatial impact e.g. either some kind of spatial statistics or geographical description

- The work should assess already implemented policies. This exclude scenario studies and assessment of policies to be implemented
- Should assess policies during the last 20 years (this is hardly a problem as most environmental policies have first been implemented during the last 20 years)

The search strategy for review of literature is based on two different approaches, because of limited knowledge about the Swedish government system and agencies; the first approach focus on searching online research databases, such as Science Direct and Web of Science and Google scholar. The second approach focuses on Swedish government agencies and government funded research institutions e.g. Naturvårdsverket (Swedish Environmental Protection Agency), Jordbruksverket (Swedish Board of Agriculture), Riksantikvarieämbetet (The Swedish National Heritage Board) and the Swedish University of Agricultural Sciences (SLU). Also some policy evaluations have been included, evaluating policies such as the Common Agricultural Policy and the rural development policy. In one occasion reports from the NGO have also been included.

2.8.2 Results - Overview of Swedish literature

In total 19 studies have been identified in the Swedish literature search of which the main part is at national scale (15) and only an minor part of local or regional scale (4) and one is unknown. The time period covered by the identified studies is mostly studies in the last 20 years, although some studies cover the period between 1969 – 2010. This also reflects that most of the studies are reports from government agencies or governmental funded research institutions (11). Only 7 research and NGO reports have been identified in this review. This also reflect some large research and assessments initiatives initiated by the Swedish government, such as the research project “CAP: smiljöeffekter” (The environmental effect of CAP). Most of the identified studies deal with assessment of policy or policy impacts, although some land use change and landscape monitoring studies are represented as well.

2.8.1 Analysis of trends in literature and potential knowledge gaps

The impact which is assessed in the identified studies is mostly linked to land use, landscape, environment or agriculture. The Common Agricultural Policy is the single most evaluated policy in the identified Swedish publications, but also national Swedish agricultural policy as well as national and EU rural/regional development policy is represented. This is partly due to the research program “CAP: smiljöeffekter” which have been ongoing since Sweden joined the EU in 1996. The research project covers a wide variety of issues related to the CAP. The policy instrument used in the majority of the collected studies is a sort of economic incentives implemented through NRI.

2.8.1 Environmental policies and institutions

It is not possible to quantify further all environmental policies for Sweden.

2.8.2 Conclusions

The impact assessed in the identified and described studies is mostly linked to land use, landscape, environment or agriculture. The Common Agricultural Policy is the single most evaluated policy in the identified Swedish publications.

3 Discussion results

3.1 Use of findings literature

The collected data and references in this report form the basis for further research within Work Package 1 (Decision making at the local level: understanding land transformation processes) and this Work package 2. The initial purpose of this WP 2.2 was to get an overview of studies which are readily available on land use change and policy. The expectation was indeed that such studies had been done, in other EU projects or specific studies on governance, and such studies could be used for our purpose since classified vegetation maps would be readily available for further analysis. Quite surprisingly, these studies were not found, i.e. no studies which deal with both aspects in conjunction: policy and (resulting) land use change.

Another purpose of this study was to develop a reference base on land use and policy, for further use in the VOLANTE project. This use is found in the papers, which have been written in WP1 on land use change (five papers in total, for a special issue of Land Use Policy).

However, this database is also very instrumental for deliverable 2.2, which seeks to explain and compare the governance of the Habitats Directive and the AES of the CAP in different European countries. The database provides an overview per country of relevant published papers. Finally, the results are essential in explaining land use changes in the case study areas of deliverable 2.3.

3.2 Gaps in information

This study has analysed a huge resource of literature of different kinds; official reports, scientific papers, theses, or 'grey literature' which was located at different institutions and agencies. As such a wealth of information has been unveiled. However, based on this overview of literature it is also clear that there are still important gaps in scientific knowledge on land use and landscape change:

- Very few papers deal with the impact of policy on landscape and land use change. Few papers or publications are found on the impact of policies, with empirical data to describe these policies. Most papers are of a general nature, describing the general impacts, or they quantify at a national level what was realised, i.e. in sense of statistics of farmers supported or funds spend.
- Some papers deal with aspects of governance and transposition, but rarely do they arrive at the complexities of the matter, and how different policies interrelate, or may be contraproductive in some cases, as was addressed in the studies for Greece, Cyprus, Malta and Italy.
- There is very little specific ex-post evidence of policy impact on land use/landscapes

- No specific policy seems to have set specific targets for landscape quality; only the European Landscape convention ELC has a serious approach in this respect. In particular Denmark and Italy have made attempts to address landscape quality.
- There is a knowledge gap concerning the level of implementation of the EU policies and directives and their impacts on land use and landscape structure in Romania, Malta and Cyprus, especially considering that accession to the EU is relatively and that the transposition, implementation and enforcement of EU acquis require a considerable amount of time.

4 Conclusions

The results of the different country studies are rather diverse. The countries are in different stages in policy development, the governance systems differ, and political culture is quite diverse. This makes it hard to draw general conclusions. However, outstanding from these studies is:

- The publications which describe a link between land change dynamics and policy are very few. The quality of the identified studies is also limited due to the lack of in-depth spatial inventories of the policies impacts. However a small number of studies include detailed spatial inventories and are of good quality. These are mostly scientific articles.
- The overview of policies indicates that there is a knowledge gap concerning the impact of several policies. Some policies have been studied better; this is the case of the Common Agriculture Policy and Natura2000 legislation. Other policies are relatively few times studied.
- Countries are in different stages of transposition of European policy and policy implementation. In particular in southern Europe progress is relatively limited, and policies tend to be overlapping, or sometimes contradictory.
- Considering the investment made in e.g. the CAP, it is rather surprising that so little result-oriented research takes place; the larger evaluation programs rather focus on 'output' measurement and evaluation than on real impact at a local or regional level.
- The link between policy and impact on landscape is not very good documented. Especially in Southern Europe spatial planning seems to be organised sectoral, lacking integration. Many studies are focused on landscape or policy analysis. There are made cross-references, but in a general way, the socio-economic and political issues are indicated as drivers for land-use / land-cover change, but a specific policy is not studied in a detailed spatial analysis of impacts.
- In Romania, Malta and Cyprus the accession to the EU is fairly recent and the transposition of EU-law, the implementation of policies and enforcement of EU acquis are still in the initial stages, and therefore not well documented.

References

Cyprus

- Abraham Papamichael, 2009, thesis, The economic and environmental consequences of reducing water available for irrigation in various ELEASE farm crop in Larnaca and Free Famagusta, Cyprus, Agricultural University of Athens, Department of Agricultural Economics & Development-graduate program-integrated development and management of rural areas
- Agriculture and rural development, 2007, National Framework for environmental action, European Commission (European Commission, Agriculture and Rural Development, Fruit and vegetables, Country files) http://ec.europa.eu/agriculture/fruit-and-vegetables/country-files/cy/framework_en.pdf
- Akkelidou, D., Papadopoulos, I. and Chimonidou, D. (2004) Report from the Republic of Cyprus, Interactive European Network for Industrial Crops and their Applications, IENICA-INFORRM Project, Fifth Framework Programme, DG XII, European Commission, Nicosia <http://www.ienica.net/reports/cyprus.pdf>
- Andreas Demetropoulos and Myroula Hadjichristophorou, 2005, Proceedings, Second Mediterranean Conference on Marine Turtles, Department of Fisheries and Marine Research http://www.cms.int/bodies/meetings/regional/marine_turtles_general/2nd_MedConf_Proceedings.pdf#page=19
- Andreas Demetropoulos, 2002, Cyprus National Report on the Strategic Action Plan for the Conservation of Marine and Coastal Biological Diversity in the Mediterranean (SAP-BIO) Prepared for and sponsored by the Regional Activity Centre for Specially Protected Areas (RAC/SPA)-Tunis, Tunisia- http://medmpa.rac-spa.org/pdf/cyprus_fr.pdf
- Andreas Demetropoulos, 2002, Cyprus National Report on the Strategic Action Plan for the Conservation of Marine and Coastal Biological Diversity in the Mediterranean (SAP-BIO), Regional Activity Centre for Specially Protected Areas (RAC/SPA), http://medmpa.rac-spa.org-pdf-cyprus_fr.pdf
- Annual report of the Ministry of Agriculture, Natural Resources and the Environment, 2012 [http://www.moa.gov.cy/moa/agriculture.nsf/All/A846763519121F42C2257A100029FA8B/\\$file/Ετήσια%20Έκθεση%202011-%20Final.pdf](http://www.moa.gov.cy/moa/agriculture.nsf/All/A846763519121F42C2257A100029FA8B/$file/Ετήσια%20Έκθεση%202011-%20Final.pdf)
- Antoniou, T (2009) Implications of rural economy from the accession of Cyprus to EU, Undergraduate thesis, Department of Agricultural Development & Agribusiness Management <http://eureka.lib.teithe.gr:8080/bitstream/handle/10184/1530/Antoniou%20Th.%20%5BMain%5D.pdf?sequence=1>
- Carla Martins, 2007, Farm Structure Survey in Cyprus, European Commission, Eurostat, <http://bookshop.europa.eu/en/farm-structure-in-cyprus-2005-pbKSSF07021/>
- Cecelia C.S., Hannides, Ph.D. National Review on biodiversity and companies: Cyprus, Unit of Environmental Studies - Research Center, Biostat Developing the EU Biodiversity Research Strategy http://www.biostrat.org/NR-B&B_Cyprus.pdf
- Charalambos Demetriou and Adonis Georgiou, 2004, Management Of Groundwater Resources In Cyprus - Harmonization With The EU Water Framework Directive Water Development Department, Nicosia. [http://www.cyprus.gov.cy/moa/WDD/WDD.nsf/0/5E21489C12668C8BC2256EE1002770A6/\\$file/Presentation%20on%20the%20Management%20of%20Groundwater%20Resources%20in%20Cyprus.pdf](http://www.cyprus.gov.cy/moa/WDD/WDD.nsf/0/5E21489C12668C8BC2256EE1002770A6/$file/Presentation%20on%20the%20Management%20of%20Groundwater%20Resources%20in%20Cyprus.pdf)
- Christofides D., 2010, Rural Annual Report of the Department for 2010, Ministry of Agriculture, Natural Resources and Environment

[http://www.moa.gov.cy/moa/fd/fd.nsf/All/7F4AB737EE87C453C22578620027BC02/\\$file/Ετήσια%20Εκθεση%202010.pdf](http://www.moa.gov.cy/moa/fd/fd.nsf/All/7F4AB737EE87C453C22578620027BC02/$file/Ετήσια%20Εκθεση%202010.pdf)

- Christos N. Maxoulis and Soteris A. Kalogirou, 2007. Cyprus energy policy: The road to the 2006 world renewable energy congress trophy , Renewable Energy, Volume 33, Issue 3, March 2008, Pages 355-365
http://www.sciencedirect.com/science?_ob=MIimg&_imagekey=B6V4S-4PFFD04-1-1&_cdi=5766&_user=632480&_pii=S0960148107002194&_origin=search&_coverDate=03%2F31%2F2008&_sk=999669996&_view=c&_wchp=dGLbVzz-zSkWb&_md5=db8552283c1d07e6b53527ce7e94f63c&_ie=/sdarticle.pdf
- Commission of the European communities, 2008, environment policy review, part 2,
http://ec.europa.eu/environment/pdf/EPR%202008_SWP%20part%202.pdf
- Constantia Sieittani, Athens 2008, Energy and Environment using renewable energy in Cyprus Harokopio University department of domestic economy and ecology, Graduate Study.
- Convention on Protection and Use of Transboundary Watercourses and "Michaelidou Marina, Omorphos Charis, Georgiou Adonis. Skordis Panayiotis, Kyriacou Kyriacos, 2004, Convention on Protection and Use of Transboundary Watercourses and International Lakes, Seminar on the role of ecosystems as water suppliers, United Nations Economic Commission for Europe,
http://www.unece.org/fileadmin/DAM/env/water/meetings/ecosystem/Reports/Cyprus_en.pdf
- Costas Petridis and associates, 2005, Agro economic policy analysis of the new member states, the candidate states and the countries of the western Balkans,, D12-1 First 6-monthly report monitoring of agricultural policy ,market and trade developments, euro quality files
<http://www.euroqualityfiles.net/cecap/Report%201/Section%201%20country%20report/CEECAP%20report%201%20section%201%20CYPRUS.pdf>
- Cyprus - country profile 2007 - Greenhouse gas emission trends and projections in Europe 2007 – Country profile
http://www.eea.europa.eu/publications/eea_report_2007_5/Cyprus.pdf
- Cyprus Agricultural Payments Organisation (CAPO), 2010, Annual report
[http://www.capo.gov.cy/capo/capo.nsf/All/A11A8897DFA188ABC225791A003AC6CC/\\$file/CAPO%20ANNUAL%20REPORT%20final.pdf](http://www.capo.gov.cy/capo/capo.nsf/All/A11A8897DFA188ABC225791A003AC6CC/$file/CAPO%20ANNUAL%20REPORT%20final.pdf)
- Cyprus-Department of environment ministry of agriculture, Natural resources and environment , 2010, Fourth National Report to the United Nations Convention on Biological Diversity,
<http://www.cbd.int/doc/world/cy/cy-nr-04-en.pdf>
- D. Fatta, S. Anayiotou , 2007, MEDAWARE project for wastewater reuse in the Mediterranean countries: An innovative compact biological wastewater treatment system for promoting wastewater reclamation in Cyprus the editorial help of the University of Aegean, Mthylie, Greece and the University of Salerno, Fisciano (SA), Italy, Desalination, Volume 211, Issues 1–3, 10 June 2007, Pages 34–47
<http://www.sciencedirect.com/science/article/pii/S0011916407001956>
- Damvakeraki, T. (2003) The European Foresight Monitoring Network, Atlantis Consulting S.A., The Agricultural Research Institute of Cyprus, Foresight Brief No. 083
- Della, A (1996) Country report to the International Conference and programme on plant genetic resource, FAO International Technical Conference on Plant Genetic Resources, Leipzig, Germany, 17-23 June 1997.
<http://www.fao.org/fileadmin/templates/agphome/documents/PGR/SoW1/east/CYPRUS.pdf>
- Demetriou, D., Stillwell, J., Linda, S. (2012) Land consolidation in Cyprus: Why is an Integrated Planning and Decision Support System required? Land Use Policy: 29 131– 142
http://www.sciencedirect.com/science?_ob=MIamImageURL&_cid=271740&_user=632480&_pii=S0264837711000536&_check=y&_origin=search&_coverDate=31-Jan-2012&_view=c&_wchp=dGLzVlk-zSkWb&_md5=f2ab71de80fd8f288e61ba80a3684ae2/1-s2.0-S0264837711000536-main.pdf
- Department of Agriculture, 2010, Revised Rural Development Programme, National rural network
http://www.ead.com.cy/index.php?option=com_phocadownload&view=category&id=5:--&Itemid=73

- Department of Agriculture, Ministry of Agriculture, Natural Resources and Environment, 2007, Strategic study evaluating the impact on the environment, Rural development plan 2007 - 2013,
[http://www.moa.gov.cy/moa/environment/environment.nsf/All/62123D6E763DB0F9C225790B00257E90/\\$file/2007-2-α-Περιβαλλοντική%20Μελέτη.pdf](http://www.moa.gov.cy/moa/environment/environment.nsf/All/62123D6E763DB0F9C225790B00257E90/$file/2007-2-α-Περιβαλλοντική%20Μελέτη.pdf)
- Department of Agriculture, 2009, Annual Report, Ministry of Agriculture, Natural Resources and Environment
[http://www.moa.gov.cy/moa/da/da.nsf/All/C0C9B1CEAB4EDCBCC225782C0037009D/\\$file/EtisiasEkthesiTimimaGeorgias2009.pdf?OpenElement](http://www.moa.gov.cy/moa/da/da.nsf/All/C0C9B1CEAB4EDCBCC225782C0037009D/$file/EtisiasEkthesiTimimaGeorgias2009.pdf?OpenElement)
- Department of Building and Housing, 2009, Annual Report, Ministry of Interior
[http://www.moi.gov.cy/moi/tph/tph.nsf/All/416C54AC6B51A93EC22578390041A6AA/\\$file/EtisiasEkthesi%202009.pdf](http://www.moi.gov.cy/moi/tph/tph.nsf/All/416C54AC6B51A93EC22578390041A6AA/$file/EtisiasEkthesi%202009.pdf)
- Department of environment, 2011, report, Ministry of Agriculture, Natural resources and environment
[http://www.moa.gov.cy/moa/environment/environment.nsf/44AF33B0771B295AC22579A500374FE4/\\$file/Annual_Report_2011EN.pdf](http://www.moa.gov.cy/moa/environment/environment.nsf/44AF33B0771B295AC22579A500374FE4/$file/Annual_Report_2011EN.pdf)
- Department of environment Ministry of Agriculture, Natural Resources, Climate Action Unit, 2010, National Greenhouse Gases Inventory Report 1990 - 2008, to European Commission from Department of environment Ministry of Agriculture, Natural Resources,
[http://www.moa.gov.cy/moa/environment/environment.nsf/257CE490F92BE68CC225794100367AD7/\\$file/IR%202010.pdf](http://www.moa.gov.cy/moa/environment/environment.nsf/257CE490F92BE68CC225794100367AD7/$file/IR%202010.pdf)
- Department of Environment. 2009. Cyprus National projections of greenhouse gases emissions; Policies and measures for the reduction of greenhouse gases emissions, 2009 submission under Article 3(2) of Decision No 280/2004/EC of the European Parliament and of the Council concerning a mechanism for monitoring Community greenhouse gas emissions and for implementing the Kyoto Protocol
[http://www.moa.gov.cy/moa/environment/environment.nsf/0954B8090AA24680C225794100369A4A/\\$file/PROJ%202009.pdf](http://www.moa.gov.cy/moa/environment/environment.nsf/0954B8090AA24680C225794100369A4A/$file/PROJ%202009.pdf)
- Department of Forestry, 2010. Global forest resources assessment 2010 country report for Cyprus, Food and Agriculture Organization of the United Nations <http://www.fao.org/docrep/013/al487E/al487E.pdf>
- Department of Forestry. 2010. Global forest resources assessment 2010 country report for Cyprus. For submission to the Forestry Department of the Food and Agriculture Organization of the United Nations.
<http://www.fao.org/docrep/013/al487E/al487E.pdf>
- Department of forests of the Ministry of Agriculture, Natural resources and Environment, 2005, National Report to the Fifth Session of the United Nations Forum on Forests Cyprus, United Nations, http://www.un.org-esa-forests-pdf-national_reports-unff5-cyprus.pdf
- Department of the environment, 2010, Annual report, Ministry of Agriculture, Natural Resources and Environment,
[http://www.moa.gov.cy/moa/environment/environment.nsf/44AF33B0771B295AC22579A500374FE4/\\$file/Annual_Report_2011GR.pdf](http://www.moa.gov.cy/moa/environment/environment.nsf/44AF33B0771B295AC22579A500374FE4/$file/Annual_Report_2011GR.pdf)
- Department of Water Development, 2010, Annual report from water development department, Ministry of Agriculture, Natural Resources and Environment
[http://www.moa.gov.cy/moa/wdd/wdd.nsf/All/015E6A9F628D86F9C22579E900322AB7/\\$file/FINAL2011.pdf?OpenElement](http://www.moa.gov.cy/moa/wdd/wdd.nsf/All/015E6A9F628D86F9C22579E900322AB7/$file/FINAL2011.pdf?OpenElement)
- Development Department (WDD), 2010, Annual Report for implementing the water policy of the for the effective protection, rational development and sustainable management of water resources of Cyprus, Ministry of Agriculture, Natural Resources and Environment
[http://www.moa.gov.cy/moa/wdd/wdd.nsf/All/48FB9CB5607EE826C22579E900320F37/\\$file/FINAL2011.pdf?OpenElement](http://www.moa.gov.cy/moa/wdd/wdd.nsf/All/48FB9CB5607EE826C22579E900320F37/$file/FINAL2011.pdf?OpenElement)
- Dg environment-life unit (2010), Program life-country report, European commission,
http://ec.europa.eu/environment/life/countries/documents/cyprus_en_10.pdf
- Dimitri Ioannides- ,1999.- A flawed implementation of sustainable tourism: the experience of Akamas, Cyprus- Tourism Management-Volume 16, Issue 8, December 1995, Pages 583-592
<http://www.sciencedirect.com/science/article/pii/016073839290063U>

- Directive 2003/87/EC-National Allocation plan for (Revised final draft)2008 - 2012, European Commission
http://ec.europa.eu/clima/policies/ets/allocation/2008/docs/nap_cyprus_en.pdf
- Directorate general environment, unit e4.life,2009,Ex-Post Evaluation of Projects and Activities Financed under the LIFE Programme Country-by-country analysis, European Commission
http://ec.europa.eu/environment/life/publications/lifepublications/evaluation/documents/eval_cyprus.pdf
- Dr Artemis Yiordamli, Executive Director, Terra Cypria.-September 2007-Conservation of the Akamas and limni areas in western Cyprus: Threats posed to wildlife by development near or within these areas , The Federation of Environmental and Ecological Organisations, Cyprus, Friends of Akamas and Birdlife Cyprus.
- Ecorys Nederland BV,2006 Study on Strategic Evaluation on Transport Investment Priorities under Structural and Cohesion funds for the Programming Period 2007-2013, Country Report Cyprus, European Commission, DG-REGIO, http://ec.europa.eu/regional_policy/sources/docgener/evaluation/pdf/evaslrat_tran/cyprus.pdf
- EEA, 2010,european environment state and outlook 2010-Actions - Waste - National Responses (Cyprus), European Environment Agency <http://www.eea.europa.eu/soer/countries/cy/waste-national-responses-cyprus>
- EEA, 2010,THE european environment state and outlook 2010 Nature protection and biodiversity - Drivers and pressures (Cyprus),European Environment Agency <http://www.eea.europa.eu/soer/countries/cy/nature-protection-and-biodiversity-drivers>
- EEA, 2010,THE european environment state and outlook 2010-Freshwater - National Responses (Cyprus),European Environment Agency <http://www.eea.europa.eu/soer/countries/cy/freshwater-national-responses-cyprus>
- EEA, 2010,THE european environment state and outlook 2010-Nature protection and biodiversity - National Responses (Cyprus),European Environment Agency <http://www.eea.europa.eu/soer/countries/cy/nature-protection-and-biodiversity-national>
- EEA,2010,THE european environment state and outlook 2010 Nature protection and biodiversity - State and impacts (Cyprus),European Environment Agency <http://www.eea.europa.eu/soer/countries/cy/nature-protection-and-biodiversity-state>
- EEA,2010,THE european environment state and outlook 2010-Freshwater - Drivers and pressures in Cyprus, European Environment Agency <http://www.eea.europa.eu/soer/countries/cy/freshwater-drivers-and-pressures-cyprus>
- Ekin Birol, Phoebe Koundouri, and Kyriaki Remoundou -2011- Chapter 4 The Implementation of the European Union Water Framework Directive in Cyprus-Earth and Environmental Science Water Resources Allocation 2011, 33-43, DOI: 10.1007/978-90-481-9825-2_4
<http://www.springerlink.com/content/w577024736154k47/fulltext.pdf>
- Eleftherios Hadjisterkotis Ph.D,Unit of Environmental Studies, Review of biodiversity research results from Cyprus that directly contribute to the sustainable use of biodiversity in Europe,Ministry of Interior,biostrat
 Developing the EU Biodiversity Research Strategy
<http://www.biostrat.org/Sustainable%20use%20of%20biodiversity%20-%20CY.pdf>
- Eleni Papadopoulou, Christos Papalexiou, Nikos Hasanagas, Irene Georgiadou, Deliverable D 2.2, Assessing the impact of rural development policies (incl. LEADER), National report on RD policy design Cyprus, AUTH (Department of Agricultural Economics, Aristotle University of Thessaloniki, Greece), RuDI project
http://www.rudi-europe.net/uploads/media/Cyprus_WP2_Report_01.pdf
- Elpida Shoukri and Theodoros Zachariadis,2012,Impacts and Adaptation Policies, Cyprus University of Technology,Department of environmental science and technology environmental policy research group-climate change in Cyprus
http://works.bepress.com/cgi/viewcontent.cgi?article=1030&context=theodoros_zachariadis
- Environment Service, Ministry of Agriculture, Natural Resources and Environment, 2006,Cyprus - State of Play in Implementation of the EU ICZM Recommendation,European Commission
<http://ec.europa.eu/environment/iczm/evaluation/iczmdownloads/cyprus.pdf>

Environment service,ministry of agriculture,Natural Resources and environment,2009,Summary of progress in delivery of objectives of EU biodiversity action plan from Cyprus,European Commission
<http://ec.europa.eu/environment/nature/biodiversity/comm2006/pdf/profiles/cy.pdf>

EUKN Cyprus - Natural Heritage and Hazards – Cyprus National Report

European Commission Environment, 2012,ICZM Evaluation of Integrated Coastal Zone Management (ICZM) in Europe http://ec.europa.eu/environment/iczm/evaluation/iczm_national_reporting_cyprus.htm

European Commission, 2008, Environment policy review <http://ec.europa.eu/environment/pdf/policy/cyprus.pdf>

European Commission, 2008, Environment Policy Review, Luxembourg: Office for official Publications of the European Communities. <http://ec.europa.eu/environment/pdf/policy/EPR%202008.pdf>

European commission, DG Environment,2010,Overview of life program in Cyprus
http://ec.europa.eu/environment/life/countries/documents/cyprus_en_10.pdf

European Commission,2007,Environment Policy Review, Luxembourg: Office for official Publications of the European Communities http://ec.europa.eu/environment/pdf/illust_epr.pdf

European Commission,2009, Environment Policy Review, Luxembourg:Office for official Publications of the European Communities http://ec.europa.eu/environment/pdf/policy/EPR_2009.pdf

European Commission,2009, Environment Policy Review,Luxembourg:Office for official Publications of the European Communities. http://ec.europa.eu/environment/pdf/policy/EPR_2009.pdf#page=115

European Commission,2010, Monitoring Member States’ policy developments on resource-efficiency /environment in Europe 2020,European Union http://ec.europa.eu/environment/pdf/policy/EPR_2010_cy.pdf

European commission,2011,Cyprus-Exploring the potential of maritime spatial planning in the Mediterranean, European commission
http://ec.europa.eu/maritimeaffairs/documentation/studies/documents/cyprus_01_en.pdf

European Environment Agency (2010) Land use - Drivers and pressures (Cyprus)
http://www.eea.europa.eu/soer/countries/cy/soertopic_view?topic=land

European Urban Knowledge Network (2005) National Urban Policy of Cyprus, European Urban Knowledge Network, http://www.eukn.org/Cyprus/cy_en/E_library/Urban_Policy/National_Urban_Policy_of_Cyprus

European Urban Knowledge Network , 2010 ,Urban Policy Analysis of Cyprus, European Urban Knowledge Network, http://www.eukn.org/Cyprus/cy_en/EUKN/Cyprus_Urban_Policy/Urban_Policy

European Urban Knowledge Network, 2010, Planning system report,
http://www.eukn.org/Cyprus/cy_en/EUKN/Cyprus_Urban_Policy/Planning_system

G.P. Panayiotou,, S.A. Kalogirou , G.A. Florides, C.N. Maxoulis, A.M. Papadopoulos, M. Neophytou, P. Fokaides, G. Georgiou, A. Symeoue, G. Georgakis,2010, The characteristics and the energy behaviour of the residential building stock of Cyprus in view of Directive 2002/91/EC, Energy and Buildings-Volume 42, Issue 11, November 2010, Pages 2083-2089 <http://www.sciencedirect.com/science/article/pii/S0378778810002112#sec4>

Georghiou Kyriacos,Delipetrou Pinelopi,Andreou Marios,Kardakari Niki,Zotos Savvas, 2008,Conservation management in NATURA 2000 sites of Cyprus,National and Kapodistrian University of Athens
<http://ec.europa.eu/environment/life/project/Projects/index.cfm?fuseaction=home.showFile&rep=file&fil=LI FE04 NAT CY 000013 LAYMAN.pdf>

Gerald Dörflinger , Conference: Advance Research & Science in Conflict Areas, 2 - 4 June, 2011,Implementation of the Water Framework Directive:-The Intercalibration Exercise-in the Mediterranean and in Cyprus, The Cyprus Institute
[http://www.cyprus.gov.cy/moa/wdd/wdd.nsf/All/0BF5BB0C2AEACD59C22579DB00286F91/\\$file/IntercalibrationMediterranean_97_2003.pdf](http://www.cyprus.gov.cy/moa/wdd/wdd.nsf/All/0BF5BB0C2AEACD59C22579DB00286F91/$file/IntercalibrationMediterranean_97_2003.pdf)

Given, M. and Hadjianastasis, M. (2010) Landholding and landscape in Ottoman Cyprus, Byzantine and Modern Greek Studies, Vol. 34 No. 1, pp. 38–60 http://www.gla.ac.uk/media/media_140824_en.pdf

Glaikos Constantinides,2002, AMP Cyprus Report Diagnostic / Feasibility Report -CAMP Cyprus,Report prepared for MAP – PAP/RAC,priority actions programme <http://www.pap-thecoastcentre.org/pdfs/fstudyrep.pdf>

- Glaftos Constantinides, 2002, CAMP Cyprus Report Diagnostic / Feasibility Report-CAMP Cyprus Diagnostic – Feasibility Report-Report prepared for MAP – PAP/RAC, European Commission
http://ec.europa.eu/environment/iczmevaluation/iczmdownloads/camp_cyprus2001.pdf
- Hellicar, M-A. (2006) Landscape Management and Agriculture – Benefits for Wildlife? The Cyprus Experience, WMA Symposium, 29th April 2006, Limassol, Cyprus http://www.cic-wildlife.org/fileadmin/Commissions_WG/habitat_fallow_land/WMA_Symposium/M.Hellicar_Presentation.pdf
<http://www.foresight-platform.eu/wp-content/uploads/2011/04/EFMN-Brief-No.-83-Cyprus-2013.pdf>
- I.A.CO Environmental and Water Consultants Ltd, 2008, Environment Agency, Ministry of Agriculture, Natural Resources and Environment , 2008, National Plan of Action to Combat Desertification-Environmental Service", Environment Agency, Ministry of Agriculture, Natural Resources and Environment
[http://www.moa.gov.cy/moa/environment/environment.nsf/A64E9EC19A4D93C4C225792C0024FE24/\\$file/Desertification-Final%20Report.pdf](http://www.moa.gov.cy/moa/environment/environment.nsf/A64E9EC19A4D93C4C225792C0024FE24/$file/Desertification-Final%20Report.pdf)
- Irini Giorgalla , 2006--management of solid waste in Cyprus -Harokopio University-Department of Geography- Graduate Study.
- J.M. Makhzoumi (1997) The changing role of rural landscapes: olive and carob multi-use tree plantations in the semiarid Mediterranean, Landscape and Urban Planning 37, 115-122
<http://www.sciencedirect.com/science/article/pii/S0169204696003763>
- Joanna Constantinidou, 19-20 January, 2006 Environment Service, National Policy Framework for the Environment
- Karavokiris C and engineering consultants and partners, Panagiota Styliani Kaimaki, 2009, Technical report- consulting services for evaluation of results programs for monitoring the surface water in under article 8 of directive 2000/60/EC - WDD 54/2009, Ministry of Agriculture, Natural Resources and environment water development department
[http://www.cyprus.gov.cy/moa/wdd/wdd.nsf/all/A81D6FFB404D9134C225740C00203A43/\\$file/REPORT_WDD-54.pdf?openelement](http://www.cyprus.gov.cy/moa/wdd/wdd.nsf/all/A81D6FFB404D9134C225740C00203A43/$file/REPORT_WDD-54.pdf?openelement)
- Marina Michaelidou and Daniel J. Decker, 2006, Incorporating Local Values in European Union, Conservation Policy: The Cyprus Case, 2006, Human Dimensions of Wildlife: An International Journal
<http://www.tandfonline.com/doi/pdf/10.1080/10871200590931789>
- Marina Michaelidou, Adonis Georgiou, Charis Omorphos, Panayiotis Skordis, 2004 Convention on Protection and Use of Trans boundary Watercourses and International Lakes, Seminar on the role of ecosystems as water suppliers (Geneva, 13-14 December 2004) Cyprus National report, Water Management in Cyprus: Challenges and Opportunities 12-National Report, Ministry of Agriculture, Natural Resources and Environment, Cyprus
http://www.unece.org/fileadmin/DAM/env/water/meetings/ecosystem/Reports/Cyprus_en.pdf
- Markou, M, and Stavri, G. (2005) Market and Trade Policies for Mediterranean Agriculture (MEDFROL): The case of fruit/vegetable and olive oil, National Agricultural Policy Report-Cyprus, 6th FRAMEWORK PROGRAMME PRIORITY, 8.1 Policy-oriented research Integrating and Strengthening the European Research Area Call identifier: FP6-2002-SSP-1, Agricultural Research Institute, Nicosia
http://medfrol.maich.gr/documentation/view/reports/wp1-napr/NAPR_CYPRUS.pdf
- Markou, M. and Kavazis, A. (2006) Agricultural Situation Report of Cyprus and the Market and Trade Policies for Fruit/Vegetable and Olive Oil, Paper prepared for presentation at the 98 th EAAE Seminar 'Marketing Dynamics within the Global Trading System: New Perspectives', Chania, Crete, Greece as in: 29 June – 2 July, 2006, The Agricultural Research Institute, Nicosia, Cyprus
<http://ageconsearch.umn.edu/bitstream/10070/1/sp06ma13.pdf>
- Maxoulis, C. & Kalogirou, S. (2008) Cyprus energy policy: The road to the 2006 world renewable energy congress trophy, Renewable Energy 33, 355–365
<http://www.sciencedirect.com/science/article/pii/S0960148107002194>
- Michaelidou Marina, Omorphos Charis, Georgiou Adonis. Skordis Panayiotis, Kyriacou Kyriacos, 2004, Convention on Protection and Use of Transboundary Watercourses and International Lakes, Seminar on the role of ecosystems as water suppliers, United Nations Economic Commission for Europe
http://www.unece.org/fileadmin/DAM/env/water/meetings/ecosystem/Reports/Cyprus_en.pdf

- Ministry of Agriculture, Natural Resources and Environment
[http://www.moa.gov.cy/moa/agriculture.nsf/All/4066256FDDFCDF2AC2257180004A106F/\\$file/Natura%2000%20in%20Cyprus.pdf](http://www.moa.gov.cy/moa/agriculture.nsf/All/4066256FDDFCDF2AC2257180004A106F/$file/Natura%2000%20in%20Cyprus.pdf)
- Ministry of Agriculture, Natural Resources and Environment (MANRE), 2004, Implementation of articlew 5 & 6 of WFD Dir 200/60/EC, Volume 3-Analysis of Pressures
<http://www.cyprus.gov.cy/portal/portal.nsf/All/40720F14A422F894C2256EBD004F3BD2?OpenDocument>
- Ministry of Agriculture, Natural Resources and Environment- EU Emissions Trading Scheme,2007,
- Ministry of Agriculture, Natural Resources and Environment -from the Water Development Department (WDD) , 2011, Annual report, The Cyprus Institute
[http://www.cyprus.gov.cy/moa/wdd/wdd.nsf/All/48FB9CB5607EE826C22579E900320F37/\\$file/FINAL2011.pdf?OpenElement](http://www.cyprus.gov.cy/moa/wdd/wdd.nsf/All/48FB9CB5607EE826C22579E900320F37/$file/FINAL2011.pdf?OpenElement)
- Ministry of Agriculture, Natural Resources and Environment
[http://www.moa.gov.cy/moa/agriculture.nsf/0/9A35D7840FC62453C22571490035C3CD/\\$file/National%20Policy%20Framework%20for%20the%20Environment.pdf](http://www.moa.gov.cy/moa/agriculture.nsf/0/9A35D7840FC62453C22571490035C3CD/$file/National%20Policy%20Framework%20for%20the%20Environment.pdf)
- Ministry of Agriculture, Natural Resources and Environment- National Plan of Action to Combat Desertification - Environment Agency, Nicosia, 2008 The National Plan of Action to Combat Desertification has been prepared by the Designed by Bureau IACO Environmental and Water Consultants Ltd, after notice by the Environment Agency.
[http://www.cyprus.gov.cy/moa/agriculture.nsf/All/77A01739DA3F0874C2257528002BE3F1/\\$file/Final%20Report-%20Desertification1.pdf?OpenElement](http://www.cyprus.gov.cy/moa/agriculture.nsf/All/77A01739DA3F0874C2257528002BE3F1/$file/Final%20Report-%20Desertification1.pdf?OpenElement)
- Ministry of Agriculture, Natural Resources and Environment of Cyprus Department of Environment-Ministry of Agriculture, Natural resources and Environment, 2010 , Conservation of the Akamas and Limni areas in Western Cyprus. Strasbourg, 8 July 2010 T-PVS/Files (2010) 16-Convention on the conservation of European wildlife and natural habitats -Standing Committee-30th meeting-Strasbourg, 6-9 December 2010, Council of Europe
<https://wcd.coe.int/wcd/com.instranet.InstraServlet?command=com.instranet.CmdBlobGet&InstranetImage=1682758&SecMode=1&DocId=1644666&Usage=2>
- Ministry of Agriculture, Natural Resources and Environment, 2001 Report on some priority issues concerning sustainable development and the environment in Cyprus, Environment Service" European Commission, Public Opinion http://ec.europa.eu/public_opinion/archives/ebs/ebs_336_fact_cy_en.pdf
- Ministry of Agriculture, Natural resources and environment, 2005, Cyprus: Agriculture, Natural Resources and Environment
<http://www.euroqualityfiles.net/Documents%20EUAM%20and%20CEECAP/Cyprus/Ministry%20of%20Agriculture,%20Natural%20Resources%20and%20Environment%20-%20Information%20Brochure.pdf>
- Ministry of Agriculture, Natural resources and environment, 2005, Cyprus: Agriculture, Natural Resources and Environment
<http://www.euroqualityfiles.net/Documents%20EUAM%20and%20CEECAP/Cyprus/Ministry%20of%20Agriculture,%20Natural%20Resources%20and%20Environment%20-%20Information%20Brochure.pdf>
- Ministry of Agriculture, Natural resources and environment, 2009,Country report of the state of plan genetic resources for food and agriculture, second national report in Cyprus, Food and agriculture organization of the United Nations <http://www.fao.org-docrep-013-i1500e-Cyprus.pdf>
- Ministry of Agriculture, Natural Resources and Environment,Department of Environment ,2011,Cyprus National Projections of Greenhouse Gases Emissions Policies and Measures for the Reduction of Greenhouse Gases Emissions under article 3(2) of decision no 280/2004/ec of the European Parliament and of the Council concerning a mechanism for monitoring community greenhouse gas emissions and for implementing the Kyoto Protocol
[http://www.moa.gov.cy/moa/environment/environment.nsf/724D802BD314A271C22579410036A4A3/\\$file/PROJ%202011.pdf](http://www.moa.gov.cy/moa/environment/environment.nsf/724D802BD314A271C22579410036A4A3/$file/PROJ%202011.pdf)

- Ministry of Agriculture, Natural Resources and Environment, 2010, National Forest Plan of Cyprus
[http://www.moa.gov.cy/moa/fd/fd.nsf/All/D4F59C4B1B775497C2257049001F6573/\\$file/Εθνικό%20Δασικό%20Πρόγραμμα%20Κύπρου.pdf](http://www.moa.gov.cy/moa/fd/fd.nsf/All/D4F59C4B1B775497C2257049001F6573/$file/Εθνικό%20Δασικό%20Πρόγραμμα%20Κύπρου.pdf)
- Ministry of Education and Culture of the Republic of Cyprus, 2004, European programme of national cultural policy reviews, Council of Europe http://www.coe.int/t/dg4/cultureheritage/Culture/Reviews/CDCULT2004-6Cyprus_EN.PDF
- Ministry of environment and natural resources Environment, Water Development Department, 2011, Application of Articles 11,13,15 of the Water Directive (2000/60/EC) in Cyprus, Annex III, Key steps in implementation of EU directives.
[http://www.moa.gov.cy/moa/wdd/wdd.nsf/all/1AE1F4E1B33E432CC22578AF002C0E71/\\$file/ANNEX-III_low.pdf?openelement](http://www.moa.gov.cy/moa/wdd/wdd.nsf/all/1AE1F4E1B33E432CC22578AF002C0E71/$file/ANNEX-III_low.pdf?openelement)
- National Forest Programme of Cyprus, national report of Cyprus, United Nations Economic Commission for Europe
<http://www.unece.org/fileadmin/DAM/timber/docs/tc-58/efc-reports/cyprus.pdf>
- National Reform Programme of Cyprus 2011, Europe 2020 strategy for smart, sustainable and inclusive growth, Climate, Energy and Mobility, European Commission
http://ec.europa.eu/europe2020/pdf/nrp/nrp_cyprus_en.pdf
- National report of the implementation of the Ramsar convention on wetlands, 2012, Ramsar, wetlands of international importance (Ramsar site) <http://www.ramsar.org/pdf/cop11/nr/cop11-nr-cyprus.pdf>
- National Report, 2007, Sustainable Development Strategy, United Nations
http://www.un.org/esa/agenda21/natinfo/countr/cyprus/nsds_2007en.pdf
- Nicos Georgiades, 2005, Ramsar Convention on Wetlands -National Report of the Republic of Cyprus, Environment Service, Ministry of Agriculture, Natural Resources and Environment
http://www.ramsar.org/pdf/cop9/cop9_nr_cyprus.pdf
- Nicos X. Tsiourtis, Water Development Department, Ministry of Agriculture, Natural Resources and Environment, 2001 Seawater desalination projects. The Cyprus experience, Desalination, Volume 139, Issues 1-3, Pages 139-147, <http://www.sciencedirect.com/science/article/pii/S0011916401003034>
- Office of the Co-ordinator for harmonization, 2003, Chapter 9: Transport Policy/Cyprus Negotiating Position, National rural network, Office of the Coordinator for the Harmonisation, Cyprus [http://www.eu-coordinator.gov.cy/Harmonization/harmonization.nsf/0/BC1AB786A2783744C2256E830037E3D3/\\$file/Transport%20Policy.doc](http://www.eu-coordinator.gov.cy/Harmonization/harmonization.nsf/0/BC1AB786A2783744C2256E830037E3D3/$file/Transport%20Policy.doc)
- P.A. Pilavachi, N.G. Kalampalikas, M.K. Kakouris 2007, The energy policy of the Republic of Cyprus. Energy Volume 34, Issue 5, May 2009, Pages 547–554, 4th Dubrovnik Conference 4th Dubrovnik conference on Sustainable Development of energy, Water & Environment
<http://www.sciencedirect.com/science/article/pii/S0360544208001928>
- Panicos Panayides, 2006, Landscape Management and its Impacts on Wildlife – Opportunities for Cyprus, Wildlife-Friendly Methods for Spatial and Landscape Management in Cyprus, wildlife management http://www.cic-wildlife.org/fileadmin/Commissions_WG/habitat_fallow_land/WMA_Symposium/P.Panayides_Presentation.pdf
- Papaioannou, P. (2008) Transport in Reunified Cyprus: Expectations and Challenges, Integrating Transport in a Reunified Cyprus, International Seminar –Nicosia Cyprus,
[http://www.moi.gov.cy/moi/crr/crr.nsf/all/AD820301751A683442257871003C0398/\\$file/Panagiotis-Papaioannou%20pdf.pdf?openelement](http://www.moi.gov.cy/moi/crr/crr.nsf/all/AD820301751A683442257871003C0398/$file/Panagiotis-Papaioannou%20pdf.pdf?openelement)
- Pattichis, C. (1999) Cyprus in the EU: a quantitative analysis of adopting the CAP, European Review of Agricultural Economics, Vol 26, No. 4, pp. 511-532 <http://erae.oxfordjournals.org/content/26/4/511.short>
- Petrides Costas and associates, 2005, Agro economic policy analysis of the new member states, the candidate states and the countries of the western Balkan, study on rural vitality, First report for CYPRUS, CEEC AGRI POLICY
<http://www.euroqualityfiles.net/cecap/Report%201/Section%202%20country%20report/CEECAP%20report%201%20section%202%20CYPRUS.pdf>

- Petropoulou, E. (2007) Revitalizing a historic city – The case of Nicosia, 1st Euro-Mediterranean Regional Conference, RehabiMed, Barcelona, 12-15 July 2007, Congress Acts, 217 – 219
<http://www.rehabimed.net/Publicacions/Conferencia/1a%20Conferencia%20regional%20Euromediterranea.pdf>
- Presentation of natura in cyprus and EU
[http://www.moa.gov.cy/moa/environment/environment.nsf/All/9F6CB7B685BE68DDC2257A1B001FDB6B/\\$file/Financing_Natura2000.pdf](http://www.moa.gov.cy/moa/environment/environment.nsf/All/9F6CB7B685BE68DDC2257A1B001FDB6B/$file/Financing_Natura2000.pdf)
- Republic of Cyprus-Ministry of Agriculture, Natural Resources and Environment,2005,Water Framework Directive Report – Republic of Cyprus
[http://www.moa.gov.cy/moa/wdd/wdd.nsf/all/1EB88CC1CAC87327C2257689003BBF9F/\\$file/Register%20of%20protected%20areas%202005%20EN.pdf?openelement](http://www.moa.gov.cy/moa/wdd/wdd.nsf/all/1EB88CC1CAC87327C2257689003BBF9F/$file/Register%20of%20protected%20areas%202005%20EN.pdf?openelement)
- Republic of Cyprus , 2009, Cereals statistics 2 0 0 9, Statistical service, Agricultural Statistics Series II Report No. 7,Ministry of Finance
[http://www.mof.gov.cy/mof/cystat/statistics.nsf/All/F275C76DFE1528D0C22577A6005270D3/\\$file/CEREALS_STATS_2009-020810.pdf?OpenElement](http://www.mof.gov.cy/mof/cystat/statistics.nsf/All/F275C76DFE1528D0C22577A6005270D3/$file/CEREALS_STATS_2009-020810.pdf?OpenElement)
- Republic of Cyprus, Ministry of commerce, Industry and tourism energy service,2009,Assessment of national potential for cogeneration in Cyprus, Final Report, CRES-EXERGIA-AEOLIK <http://www.code-project.eu/wp-content/uploads/2009/05/CY-Report-Art-6-Potential-English-Version1.pdf>
- Republic of Cyprus,2008,Agricultural statistics, Ministry of Finance
[http://www.mof.gov.cy/mof/cystat/statistics.nsf/All/F9A639CC1FAC3F3FC225777004049A9/\\$file/AGRI_STA-T-2008-201210.pdf?OpenElement](http://www.mof.gov.cy/mof/cystat/statistics.nsf/All/F9A639CC1FAC3F3FC225777004049A9/$file/AGRI_STA-T-2008-201210.pdf?OpenElement)
- Republic of Cyprus,Press and Information Office ,Aspects of Cyprus <http://www.aspectsofcyprus.com/aoc/aoc.html>
- Republic of Cyprus-Ministry of Agriculture, Natural Resources and Environment,2007, water framework directive(2000/60/EC) , EU-summary report Article 8
[http://www.moa.gov.cy/moa/wdd/wdd.nsf/all/6FFE896259804DC9C22572A50029274C/\\$file/EU-summary%20Monitoring%20Cyprus%20v22.pdf?openelement](http://www.moa.gov.cy/moa/wdd/wdd.nsf/all/6FFE896259804DC9C22572A50029274C/$file/EU-summary%20Monitoring%20Cyprus%20v22.pdf?openelement)
- Richard Sharpley , 2002,Centre for Travel and Tourism, Rural tourism and the challenge of tourism diversification: the case of Cyprus Tourism Management-Volume 23, Issue 3, June 2002, Pages 233-244,University of Northumbria at Newcastle, Longhirst Campus, Longhirst Hall, Morpeth, Northumberland, NE61 3LL, UK , 2000.
<http://www.sciencedirect.com/science/article/pii/S0261517701000784>
- Salvo, A. (2006) Sustainable Island Farming-A Case Study of Organic Agriculture in Cyprus, Birdlife Cyprus
http://www.undp-act.org/data/articles/sustainable_island_farming_gr_en.pdf
- Solon Kasinis, 2012, the energy sector of Cyprus, 1st International Conference of Students, Teachers for Science, Ministry of Commerce Industry and Tourism
[http://www.mcit.gov.cy/mcit/mcit.nsf/All/8A1C0358537DB3C4C22579C100412420/\\$file/Energiakos%20Tom-eas%20tis%20Kyprou.pdf?OpenElement](http://www.mcit.gov.cy/mcit/mcit.nsf/All/8A1C0358537DB3C4C22579C100412420/$file/Energiakos%20Tom-eas%20tis%20Kyprou.pdf?OpenElement)
- Stamatia Evangelidou,2011, Dams of Cyprus and their Environment ,Energy, Environment and Water Research Center (EERC),The Cyprus Institute
http://www.cyi.ac.cy/system/files/Evangelidou_Dams_of_Cyprus_and_their_Environment_Sep2011a.pdf
- Statistics: Cyprus , Cyprus: Forest Cover, 2010 ,Cyprus Forest Information and Data, FAO
<http://rainforests.mongabay.com/deforestation/2000/Cyprus.htm>
- Stephan Georgiades,2006,Cyprus National Report-- Natural Heritage and Hazards, European Urban Knowledge Network
- Stephen F. Witt-Stephen Witt is Lewis Professor of Tourism Studies at the European Business Management School, University of Wales, Singleton Park, Swansea, SA2 8PP, UK, 1990. Tourism in Cyprus: Balancing the benefits and costs Tourism Management-Volume 12, Issue 1, March 1991, Pages 37-45
http://www.sciencedirect.com/science?_ob=ImageURL&_cid=271716&_user=632480&_pii=026151779190027Q&_check=y&_origin=&_coverDate=31-Mar-1991&view=c&wchp=dGLzVIV-zSkzk&md5=7e64c4d6a9df194e1a7c8da9db24c780/1-s2.0-026151779190027Q-main.pdf

- Stylianidis, S. (2007) RUrban Strategy for Limassol's Center – A Vision for the Future, 1st Euro-Mediterranean Regional Conference, RehabiMed, Barcelona, 12-15 July 2007, Congress Acts, 317 – 319
<http://www.rehabimed.net/Publicacions/Conferencia/1a%20Conferencia%20regional%20Euromediterranea.pdf>
- The European environment – state and outlook 2010, Country profile (Cyprus), European environment Agency
http://www.eea.europa.eu/soer/countries/cy/soertopic_view?topic=country
- The European environment – state and outlook 2010, Land use (Cyprus), European environmental Agency
http://www.eea.europa.eu/soer/countries/cy/soertopic_view?topic=land
- The European Environment 2010, Climate change mitigation (Cyprus), European environment Agency
http://www.eea.europa.eu/soer/countries/cy/soertopic_view?topic=climate%20change
- The European environment, 2010, Cyprus-Nature protection and biodiversity 2010, European environment Agency
http://www.eea.europa.eu/soer/countries/cy/soertopic_view?topic=biodiversity
- Theodoros Ioannou, Doros Theocharides, 2009, Renewable energy and its impact on rural development, European Commission Coordinators Axel Wolz, Klaus Reinsberg, Gertrud Buchenrieder (IAMO)
<http://www.euroqualityfiles.net/AgriPolicy/Report%202.2/AgriPolicy%20WP2D2%20Cyprus%20Final.pdf>
- Theodoros Ioannou, Doros Theocharides, 2009, Analysis of renewable energy and its impact on rural development in Cyprus, AgriPolicy net, <http://www.euroqualityfiles.net/AgriPolicy-Report%202.2-AgriPolicy%20WP2D2%20Cyprus%20Final.pdf>
- Thirgood, J.V. (1987) Cyprus: A Chronicle of its Forests, Land and People, University of British Columbia Press, London http://journals1.scholarsportal.info/details.xqy?uri=/01692046/v17i0001/87_cacoiflap.xml
- Tsiourtis NX, 2008, Cyprus water resources ,Planning and climate change adaptation Water, wetlands and climate change - Building linkages for their integrated management, Publisher IUCN Tsiourtis, NX- Journal Water, wetlands and climate change - Building linkages for their integrated management <http://www.rac-spa.org/node/492>
- Upton, M. & Pearce, R. (1982) Part-time farming in Cyprus, Agricultural Administration, Volume 11, Issue 3, pp. 201-213 <http://www.sciencedirect.com/science/article/pii/0309586X82901169>
- Vakakis and associates SA, department of agriculture ministry of agriculture, natural resources and environment ,2010, The impact of EU membership and the future dynamics of the Cyprus agriculture, Agriculture department ,Ministry of agriculture. Natural Resources & Environment Cyprus

Denmark

- Andersen, E., Henningsen, A., Primdahl, J. (2000). Denmark: implementation of new Agri-environmental policy based on Regulation 2078. in: Buller, H., Wilson, G.A., and Höll, A. (Eds.), Agri-environmental policy in the European Union. Ashgate, Aldershot, pp. 31-50.
- Andersen, E., Madsen, L.M. (2001). Planlægning og støtteordninger i det åbne land. Landinspektøren 4, 293-300.
- Andersen, E. (2002). Vedvarende græsarealer-landbruget og reguleringen. Forest & Landscape research centre, Hørsholm.
- Andersen, E., Madsen, L.M., Höll, A. (2003). Planlægning og miljøvurdering af støtteordninger i det åbne land. Forest & Landscape research centre, Hørsholm, pp. 1-48.
- Brandt, J., Primdahl, J., Reenberg, A. (1999). Rural Land Use and Landscape Dynamics - Analysis of Driving Factors in Space and Time. in: Krönert, R., Baudry, J., Bowler, I.R., and Reenberg, A. (Eds.), Land-use changes and their environmental impact in rural areas in Europe. Unesco, Paris, pp. 81-102.
- Brandt, J., Holmes, E., (2007). En introduktion med vægt på RUC's småbiotopovervågning. "Roskilde Universitetscenters Landskabsdatabase". Roskilde Universitetscenter, Roskilde
- Busck, A. (2002). Farmers' Landscape Decisions: Relationships between Farmers' Values and Landscape Practices. Sociologia Ruralis 42, 233-249.

- Busck, A., Kristensen, S.P., Præstholm, S., Reenberg, A., Primdahl, J. (2006). Land system changes in the context of urbanisation: Examples from the peri-urban area of Greater Copenhagen. *Danish Journal of Geography* 106, 21-34.
- Busck, A.G., Hidding, M., Kristensen, S.P., Persson, C., Præstholm, S. (2008). Managing rural landscapes in the Netherlands, Denmark and Sweden - Comparing planning systems and instruments in three different contexts. *Danish Journal of Geography* 108, 1-16.
- Busck, A.G., Hidding, M., Kristensen, S.P., Persson, C., Præstholm, S. (2009). Planning approaches for rural areas - case studies from Denmark, Sweden and The Netherlands. *Danish Journal of Geography* 109, 81-99.
- Caspersen, O.H., Hasler, B. (2003). Continuity and grassland management in a multifunctional landscape in Middle Jutland (Denmark). in: Mander, Ü. and Antrop, M. (Eds.), *Multifunctional Landscapes - Continuity and Change* WIT Press, Southampton.
- Caspersen, O.H., Konijnendijk, C.C., Olafsson, A.S. (2006). Green space planning and land use: An assessment of urban regional and green structure planning in Greater Copenhagen. *Danish Journal of Geography* 106, 7-20.
- Direktoratet for Fødevarerhverv (2003). Midtvejsevaluering af det danske landdistriktprogram - delrapport vedr. lægørende og biotopforbedrende plantninger. Fødevareministeriet, Copenhagen.
- Direktoratet for Fødevarerhverv (2003). Midtvejsevaluering af det danske landdistriktprogram. Fødevareministeriet, Copenhagen.
- Direktoratet for Fødevarerhverv (2003). Midtvejsevaluering af det danske landdistriktprogram - delrapport vedr. MVJ-ordningerne, Økologi og Demonstrationsprojekter. Fødevareministeriet, Copenhagen.
- Direktoratet for Fødevarerhverv (2008). Slut-evaluering af det danske landdistriktsprogram 2000 - 2006. Copenhagen.
- Ellemann, L., Ejrnæs, R., Reddersen, J., Fredshavn, J. (2001). Det lysåbne landskab. Faglig Rapport nr 372. Danmarks Miljøundersøgelser, Copenhagen.
- Fritzbøger, B. (2004). Det åbne lands kulturhistorie - gennem 300 år. DSR forlag, Copenhagen.
- Grant, R., Waagepetersen, J. (2003). Vandmiljøplan II – slutevaluering. Danmarks Miljøundersøgelser, Copenhagen.
- Holmberg, T., Willeberg, K.L., Boon, T.E., Madsen, L.M., Nellemann, V., Sveistrup, N. (2001). Udfordringer for det åbne lands planlægning: Dialog- og handlingsorientering. *Landinspektøren* 4, 284-291.
- Holten-Andersen, J., Pedersen, T.N., Christensen, H.S., (2000). Den moderne naturpolitik. in: Holten-Andersen, J., Christensen, H.S., Pedersen, T.N., and Manninen, S. (Eds.), *Dansk Naturpolitik - viden og vurderinger*. Naturrådet, Copenhagen, pp. 18-33.
- Kirkebak, M., Thormann, A., (2000). Evaluering af den gennemførte skovrejsning 1989-1998. Skov- og Naturstyrelsen, Miljø- og Energiministeriet, Copenhagen.
- Kristensen, S.P. (2001). Hedgerow planting activities by Danish farmers: a case study from central Jutland. *Danish Journal of Geography* 101, 101-114.
- Kristensen, S.P., Reenberg, A., Peña, J. (2009). Exploring local rural landscape changes in Denmark: A human-environmental timeline perspective. *Danish Journal of Geography* 109, 47-67.
- Levin, G., (2006). Dynamics of Danish Agricultural Landscapes and the Role of Organic Farming. Roskilde University, Roskilde.
- Levin, G. (2007). Relationships between Danish organic farming and landscape composition. *Agriculture, Ecosystems & Environment* 120, 330-344.
- Levin, G., Normander, B., (2008). Arealanvendelse i Danmark siden slutningen af 1800-tallet. Aarhus Universitet, Aarhus, pp. 1-46.
- Levin, G., Jepsen, M.R. (2010). Abolition of set-aside schemes, associated impacts on habitat structure and modelling of potential effects of cross-farm regulation. *Ecological Modelling* 221, 2728-2737.
- Madsen, L.M. (2001). Location of farm woodlands in Denmark: a quantification of the results of the scheme for field afforestation in Ribe and Vejle counties. *Danish Journal of Geography* 101, 87-100.
- Madsen, L.M. (2003). New woodlands in Denmark: The role of private landowners. *Urban Forestry & Urban Greening* 1, 185-195.

- Ministeriet for Fødevarer, Landbrug og Fiskeri FødevareErhverv (2010). Sammenfattende rapport vedrørende Midtvejsevaluering af Det Danske Landdistriktsprogram 2007-2013 for perioden 2007-2009. Copenhagen
- Ministeriet for Fødevarer, Landbrug og Fiskeri FødevareErhverv (2010). Delrapport vedrørende skovordningerne; privat skovrejsning, særlig drift, grøn driftsplan, foryngelse og friluftsliv. Copenhagen
- Ministeriet for Fødevarer, Landbrug og Fiskeri FødevareErhverv (2010). Delrapport vedrørende Landskabs- og biotopforbedrende beplantninger. Copenhagen
- Ministeriet for Fødevarer, Landbrug og Fiskeri FødevareErhverv (2010). Delrapport vedrørende Miljøordningerne omkring græsning, randzoner og vådområder. Copenhagen
- Nellemann, V., Willeberg, K.L., Sveistrup, N., (2000). Helhedsorienteret planlægning for det åbne land - en eksempelsamling. Skov & Landskab, Hørsholm, pp. 1-100.
- Oñate, J.J., Andersen, E., Peco, B., Primdahl, J. (2000). Agri-environmental schemes and the European agricultural landscapes: the role of indicators as valuing tools for evaluation. *Landscape Ecology* 15, 271-280.
- Primdahl, J. (1995). Landskab, Naturbeskyttelse og Landbrugspolitik - De nye miljøordninger i landskabsøkologisk sammenhæng. in: Brandt, J. and Primdahl, J. (Eds.) Danish Forest and Landscape Research Institute, Hørsholm.
- Primdahl, J., Busck, A.G., Kristensen, L.S., (2004). Landscape management decisions and public-policy interventions. in: Jongman, R.H.G. (Ed.), *The new dimensions of the european landscape*. Springer, Wageningen, pp. 103-120.
- Præstholm, S., Reenberg, A., Kristensen, S.P. (2006). Afforestation of European landscapes: How do different farmer types respond to EU agri-environmental schemes? *Geojournal* 67, 71-84.
- Purvis, G., Louwagie, G., Northey, G., Mortimer, S., Park, J., Mauchline, A., Finn, J. , Primdahl, J. , Vejre, H. , Vesterager, J.P. , Knickel, K., Kasperczyk, N., Balázs, K., Vlahos, G., Christopoulos, S. & Peltola, J. (2009). Conceptual development of a harmonised method for tracking change and evaluating policy in the agri-environment: The Agri-environmental Footprint Index. *Environmental science & policy* 12 (32), 1 – 337.
- Rambøll Management A/S, (2008). Evaluering af målopfyldelse og virkemidler i Pesticidplan 2004-09. Miljøstyrelsen, Copenhagen
- Waagepetersen, J., Grant, R., Børgesen, C.D., Iversen, T.M., (2009). Midtvejs evaluering af vandmiljøplan III. Aarhus University, Aarhus.
- Zasada, I., Fertner, C., Piore, A., Nielsen, T.S. (2011). Peri-urbanisation and multifunctional adaptation of agriculture around Copenhagen. *Danish Journal of Geography* 111, 59-72.

Greece

- Agricultural landscape of Lesvos, *Natural Resource Modelling*, 17, pp. 321–358.
- Agriculture secretary, Ministry of planning and special applications csf management service kp leader, 2003, Interim Evaluation Report Operational Programme Community Initiative Leader, ministry of agriculture
- Aithria M., Attorney at Law, 2001, Technical Projects Power from Renewable Energy Sources (RES) and protection of the environment, *Journal: Environment & law*, Issue: 3/2001 Issue: Law Library Section: B articles, p. 338
- Akrivopoulou I, Tsiboukas K, Nellas E, Kallaniotis E, (2006) "Study of implications to the Agricultural Sector of Thessaly Periphery from the reform of CAP" , Region of Thessaly, Managing operational program Thessaly(in Greek)
- Altener -iee/07/781/SI2.499059, 2010, Promotion of Renewable Energy for Water production through Desalination,
- Anastasiou A, 2005, The history of cities in modern Greece, Urban development in the cities of Xanthi, Trikala and Patras, University of Athens School of Law, Economics and Political Science, Political Science and Public Administration
- Andreadakis A, Gavalakis E, Kaliakatsos L, Noutsopoulos C, Tzimas A , 2005, The implementation of the Water Framework Directive (WFD) at the river basin of Anthemountas with emphasis on the pressures and impacts analysis Presented at the 9th Environmental Science and Technology Symposium, September 1–3, 2005, Rhodes, Greece, Desalination Volume 210, Issues 1-3, 10 June 2007, Pages 1-15 Ninth Environmental Science

- and Technology Symposium - September 1–3, 2005, Rhodes, Greece Copyright © 2007 Published by Elsevier B.V.
- Andrikopoulou, E., Kafkalas, G. (2000) Spatial impact of European policies. The greek experience, Thessaloniki: Ziti
- Angelidis M, Economou A, 2006, The contribution of Community Support Framework (CSF) in the development of coastal area in Greece.-CORP 2006 & Geomultimedia06 Vienna, Feb. 13-16 2006 www.corp.at Proceedings / Tagungsband; Editor / Herausgeber: Manfred Schrenk ISBN: 3-9502139-0-2 (from 2007: ISBN 978-3-9502139-0-4) 41
- Angelidis M., Tourist development environmental impacts on the Greek coastal areas and spatial planning policy, National Technical University, Department of Urban and Regional Planning, School of Architecture
- Anthi Papakostas, 2004, Groundwater Pollution of Nitrate in Thessaly agricultural origin. Case Study of Regional Tirnavos-Trees-PLATANOULIA University of the Aegean, Dep. Of Env.
- Anthopoulou, T. & Moisisdis, A. (2002) From Agricultural Space to Rural Country: Transformations and modern facts of the Greek rural world, Tipothito Publishing, Athens (in Greek).
- Antoniou A, 2010, European legal framework recycling waste: application of in Greece, Article Published: law and nature
- Apostolakis G, 2002, The European Ecological Network "Nature (Natura) 2000». The integration of the network Meteora Journal: Environmental law & Issue: 2/2002, Publication: Law Library Module: C Issues, p 282
- Apostolopoulou E, Pantis J.D, 2008, Conceptual gaps in the national strategy for the implementation of the European Natura 2000 conservation policy in Greece, Biological Conservation, Volume 142, Issue 1, Pages 221–237
- Apostolopoulou E, Pantis J.D, 2008, Conceptual gaps in the national strategy for the implementation of the European Natura 2000 conservation policy in Greece, Biological Conservation - Volume 142, Issue 1, Pages 221-237
- Archelon Society for the protection of marine turtles, Network Mediterranean S.O.S., Greek Ornithological Society, Greek Society for the Protection of the Environment and Heritage, Greek Society for the Protection of Nature, Mom - Society for the Study and Protection of the Monk Seal, WWF Hellas, 2005, reference for the state system of protected areas in Greece
- Ball C, 2010, International and European regulations on the establishment and management of marine protected areas,
- Baltas, N (1997) The restructured CAP and the periphery of the EU, Food Policy, Vol. 22, No. 4, pp. 329-343
- Barbayiannis N, Panayotopoulos K, Psaltopoulos D, Skuras D, 2011, The influence of policy on soil conservation: a case study from Greece, Land Degrad. Develop. 22: 47–57 (2011), Published online 14 October 2010 in Wiley Online Library
- Bensasson L, 2009, Water Resources Management, Water Resource Management Tools and Applications in Greece, 1st Hellenic - Chinese Environmental Forum, December 3rd - 4th 2009 in Greece "1st Hellenic - Chinese Environmental Forum" December 3rd - 4th 2009
- Beriatos E, Papageorgiou M, 2010, Sustainable planning of the coastal zone in Mediterranean, Towards Sustainable Urbanization and Spatial Planning of the Coastal Zone in Greece and the Mediterranean Basin, 46th ISOCARP Congress 2010
- Beriatos H., K. Aravosis, A. Kungolos, A. Karagiannidis, G. Perkoulidis E. Koltsidas, 2003 Institutional framework and policy for solid waste. Developments and prospects Magazine: environmental law & Issue: 2/2003, Publication: Law Library Module: C issues, p 306
- Beriatos, E, Gospodini, A, (2004) 'Glocalising' urban landscapes: Athens and the 2004 olympics, Cities, 21:3, 187-202
- Beriatos, I. (1999) The importance of cooperation networks for the development of European and Greek cities. In Economou, D., Petrakos, G. (eds) The development of Greek cities. Interdisciplinary approaches of urban analysis and policy, Volos: University of Thessaly Publications, Gutenberg, pp. 529-551
- Boukis I, Vassilakos N, Kontopoulos G, Karellas S, (2009) Policy plan for the use of biomass and biofuels in Greece: Part I: Available biomass and methodology, Renewable and Sustainable Energy Reviews 13, 971–985

- Boukis I, Vassilakos N, Kontopoulos G, Karellas S, 2009, Policy plan for the use of biomass and biofuels in Greece: Part I: Available biomass and methodology Renewable and Sustainable Energy Reviews Volume 13, Issue 5, Pages 971-985 Received 7 February 2008; Accepted 8 February 2008. Available online 7 March 2008.
- Bourdaras D, (2005), the CAP Reform, Ministry of Rural Development and Food, Athens (in Greek).
- Callia A, Legislation on renewable energy sources 2008-2009, national center for environment and sustainable development(echs)
- Caraveli H, 2000, A comparative analysis on intensification and extensification in mediterranean agriculture: dilemmas for LFAs policy, Journal of Rural Studies, Volume 16, Issue 2, April 2000, Pages 231–242
- Caraveli H. (2000) A comparative analysis on intensification and extensification in Mediterranean agriculture - dilemmas for LFAs policy, Journal of Rural Studies, Volume 16, 231-242
- Chatzopoulou, (2006) "The implications of Europeanization on domestic institutional structures – CAP and Greek Agriculture-", 8th Annual Kokkalis Program Graduate Student Workshop, John F. Kennedy School of Government, Harvard University
- Chorianopoulos I, (2002) 'Commenting on the Effectiveness and Future Challenges of the EU Local Authority Networks', Regional Studies, 36: 8, 933 — 939
- Chorianopoulos, I, (2001) Urban Restructuring and Governance: North–South Differences in Europe and the EU URBAN Initiative, Urban Studies, Vol. 39, No. 4, 705–726
- Christofakis M, Papadaskalopoulos A, 2011, The growth poles strategy in regional planning: The recent experience of Greece, Theoretical and Empirical Researches in Urban Management-Volume 6 Issue 2 / May 2011
- Christofakis M, Papadaskalopoulos A, 2011, The growth poles strategy in regional planning: the recent experience of Greece, Theoretical and empirical researches in urban management, volume 6, issue 2
- Christopoulou O, Lecturer in Rural Development and Problematic Areas Department of Planning and Regional Development University / University of Thessaly, 2010, Institutional framework for the protection of European forests, Magazine: environmental law & Issue: 3/2001, Publication: Law Library Module: C issues, p 366
- Coccosis H, Mexa A, Collovini A, 2002, Defining, measuring evaluating carrying capacity in European tourism destinations, University of the Aegean,
- Dalakis N, (2008) "Territorial transformations and changes in the countryside space. The case of mountainous area Bora-Begoritida of Pella Prefecture", Aristotelion University of Thessaloniki, Polytechnic School, School of Rural and Surveying Engineering (in Greek)
- Damianos, D., Skuras, D. (1996) Unconventional adjustment strategies for rural households in the less developed areas in Greece, Agricultural Economics, Volume 15, Issue 1, September 1996, Pages 61–72
- Danikakis B, political scientist, 2011, deficits and problems in policy implementation of the integrated management of water poronstin Greece: The case of lake Koroneias, Article Published: law and nature, LAW AND NATURE CIVIL NON PROFIT COMPANY
- Daskalopoulou I, Petrou A, (2002) Utilizing a farm typology to identify potential adopters of alternative farming activities in Greek agriculture, Journal of Rural Studies, Volume 18, Issue 1, Pages 95–103
- Detsis V., Ntasiopoulou G., Chalkias C., Efthimiou G., 2010, Recent Insular Mediterranean Landscape Evolution: A Case Study on Syros, Greece, Harokopio University, Athens, Greece, Technological Educational Institute of Larissa,
- Diamantis J, Pliakas F, Petalas C, Kallioras A, 2004, The harmonizing national law with Directive 2000/60/EC on the protection and management of water Magazine: environmental law & Issue: 4/2004, Publication: Law Library Module: C issues, p 480
- Dimara E, Petrou A, Skuras D, (2004) Agricultural policy for quality and producers evaluations of quality marketing indicators: a Greek case study, Food Policy, Volume 29, Issue 5, Pages 485–506
- Dimara, E. & Skuras, D. (1998). Adoption of new tobacco varieties in Greece: Impacts of empirical findings on policy design, Agricultural Economics, Volume 19, 297-307
- Dimitrakopoulos D & Passas A, (2004), Greece in the EU, London & New York: Routledge
- Dimitrakopoulos P.G, Jones N, Iosifides T, Florokapia I, Lasda O, Paliouras F, Evangelinos K.I, 2010,

Dimitriadis E, Callias A, 2011, O 3937 A new law on biodiversity conservation - New approaches to managing the environment; Journal: Environmental Law Issue: 2/2011, April - May-June Issue: Law Library,Section: C ISSUES, p 249

Dimitriadis E, Callias A, 2011, O 3937 A new law on biodiversity conservation - New approaches to managing the natural environment 249 Journal: Environment & law, Issue: 2/2011, April - May-June

Dimitroulopoulou C, (2010) Land take (GR - EEA CSI 014), National Centre for Environment and Sustainable Development

Dota A, (2008),The contribution of CAP in the protection of environment and sustainable development, The case of Koronia Lake, Aristotle Department of Civil Engineering, University of Thessaloniki, Thessaloniki (in Greek)

Economou, D(1997) 'The planning system and rural land use control in Greece: A European perspective', European Planning Studies, 5: 4, 461 — 476

Economou, D,(2004) The regional dimension of the Community Support Framework 2000-2006 for Greece: A first assessment, Aeixoros, 3: 1, 32 — 55

EEA ,2008,energy and environment report, EEA

EEA, 2010, The European environment – state and outlook 2010 - Country assessments -Waste (Greece), EEA

EEA, overview of existing policies to reduce and mitigate soil sealing in the EU and member states, EEA

EEA,2010, The European environment – state and outlook 2010 - Country assessments-Country profile (Greece), What distinguishes the country?, EEA Climate

EEA,2010, The European environment – state and outlook 2010 - Country assessments-Freshwater (Greece), EEA

EEA,2010, Update to the European Environment State and Outlook 2010 (SOER 2010) thematic assessment, EEA

Elburg-Velinova D, Perez Valverde C, Salman A, 1999 , progress of ICZM development in European countries: a pilot study, EUCC International Secretariat

ESDN, 2012,Single country profile ,European Sustainable Development Network (ESDN)

ESDN, 2012,Single country profile ,European Sustainable Development Network (ESDN)

European Commission – DG Environment, 2011, Analysis of Member States progress reports on Integrated Coastal Zone Management (ICZM)

European Commission ,2011,Exploring the potential of maritime spatial planning in the Mediterranean, European Commission

European Commission, 2007, Regional Development Programmes 2007-2013, Operational Programme 'Environment and Sustainable Development'

European Commission, 2008, environment policy review,

European Commission, 2008, Summary of progress in delivery of objectives of EU biodiversity action plan, European Commission

European Commission, 2009, environment policy review, Luxembourg: Office for Official Publications of the European Communities

European Commission, country profile 2010, monitoring member states policy developments on resource-efficiency/environment in Europe 2020

European Commission, DG Environment – Life Unit,2006, country report

European Commission, DG Environment – Life Unit,2012, country report

European Commission, DG Environment – Life Unit,2012, country report

European Commission, Regional Policy , 2012, Greece/Italy/Cyprus/Malta interreg III B archi-med

European Environmental Agency, The European environment – state and outlook 2010, Topic: Land Use, European Environmental Agency,

European Union regional policy,2007, cohesion policy 2007-2013, European Commission

- Feranec J, Jaffrain G, Soukup T, Hazeu G, 2010, Determining changes and flows in European landscapes 1990–2000 using CORINE land cover data *Applied Geography* Volume 30, Issue 1, January 2010, Pages 19–35, Available online 19 August 2009.
- Fragou M-C, Kalis G , 2010, Problems and Solutions for a Complete Water Management, WWF
- Frangou M, 2009, The European strategy on coastal zone management and its application in Greece , First Greek-Chinese Forum on the Environment, TEE, 3-4/12/2009, Athens
- Galatsida P, 2010, The situation of RSE in Greece, graduated thesis, Harokopion University, Department of Geography.
- General fisheries Commission for the Mediterranean scientific advisory committee, 2011, Thirteenth Session, salient research activities in member countries, FAO/GFCM
- Georgiadis G, (2007) "Spatial and transportation planning at the Peri-urban Thessaloniki area", Thessaloniki, School of Rural and Surveying Engineering (in Greek)
- Getimis, P. & Economou, D. (1992) "New geographical inequalities and spatial policies in Greece", *Topos: Review of spatial development, planning and environment*, 4/92, pp. 3-44 (in Greek)
- Gikas P, Angelakis A.N, 2008, Water resources management in Crete and in the Aegean Islands, with emphasis on the utilization of non-conventional water sources, *Desalination* 248 (2009) 1049–1064,
- Golitsiou A., (2007), Developing a methodological framework for the analysis of indicators of the tourism landscape: application to coastal tourist landscapes island, Mytilene, Lesbos, Greece, University of Aegean, school of social sciences, department of Geography.
- Golobič M, Žaucer L.B, 2010, landscape planning and vulnerability assessment in the Mediterranean, Priority actions programme "Priority Actions Programme Regional Activity Centre, 2010, outstanding landscapes in the Mediterranean, thematic study, Priority Actions Programme "
- Gospodini A, (2007) Spatial Policies for the Planning, Competitiveness and Sustainable Development of Greek Cities, *Aeixeris*, 6: 1, 100 — 145
- Gospodini A, Beriatos E, Raskou E, (2007) Architectural heritage management: The longitudinal evolution of policies in Europe and the new challenges for Greece, *Aeixeris*, 6: 1, 146 — 173
- Gounari E.I., (2008) "Environmental friendly measures of CAP: the case of afforestation", Aristotelian University of Thessaloniki, School of Geotechnical Sciences, Department of Geoponics (in Greek)
- Greece-Report on Implementation Measures (Article 17, Habitats Directive) , 2009 (Report on the implementation of directive for habitats, Eionet, Central data Repository
- GREEK REPUBLIC MINISTRY OF RURAL DEVELOPMENT AND FOOD S, 2010, SPECIAL SECRETARY CSF, NATIONAL STRATEGY FOR RURAL DEVELOPMENT PLAN 2007-2013
- Greek Society for the Protection of Nature-MOM - Society for the Study and Protection of the Monk Seal-wwf Greece), 2005, Status of the system of protected areas in Greece. Common environmental organizations reporting to the EU (Archelon, Society for the Protection of sea turtle, Network Mediterranean S.O.S.- Greek Ornithological Society- Greek Society for the Protection of the Environment and Heritage
- Hari, H. (2003) The effect of urban sprawl in the landscape, University of Thessaly, Department of Architecture, Beautiful, horrible and plain landscape, 57 - 64, Thessaloniki: Nisides
- Hellenic Ministry for the environment, physical planning and public works, Department of international relations & E.U affairs, 2006 ,progress report, Greece, national strategy for sustainable development 2002,
- Hellenic republic, Ministry for the environment, Physical and public works, 2002, national strategy for sustainable development Greece
- Hellenic republic, Ministry for the environment, physical planning and public works, 2002, national strategy for sustainable development,
- Hellenic republic, Ministry for the environment, physical planning and public works, 2006, 4th national communication to the united nations framework convention on climate change

- Hellenic republic, Ministry for the environment, physical planning and public works, 2008, country profile-Greece, National Reporting to the Seventeenth Session of the Commission for sustainable development of the United Nations
- Hellenic republic, Ministry for the environment, physical planning and public works, 2008, country profile- Greece, National Reporting to the Seventeenth Session of the commission for sustainable development of the United Nations
- Hellenic republic, Ministry of the environment, energy and climate change, 2010, 5th national communication to the united nations framework convention on climate change,
- Houvardas D, 2007, Estimation of diachronic effects of pastoral systems and land uses in landscapes with the use of Geographic Informational Systems (GIS), Aristotle University of Thessaloniki School of Geotechnical Sciences, Faculty of Forestry and Natural Environment
- Hovardas T, Korfiatis K.J , 2008, Framing environmental policy by the local press: Case study from the Dadia Forest Reserve, Greece Forest Policy and Economics Volume 10, Issue 5, Pages 316-325
- Humboldt University, Institute of Social Sciences (2006) The European URBAN Experience – Seen from the Academic Perspective
- Iliopoulos C, Rozakis S, (2010) Environmental cost-effectiveness of biodiesel production in Greece: Current policies and alternative scenarios, Energy Policy 38, 1067–1078
- Iliopoulos C, Rozakis S, 2009, Environmental cost-effectiveness of bio diesel production in Greece: Current policies and alternative scenarios Energy Policy Volume 38, Issue 2, Pages 1067–1078.
- International energy agency, OECD, 2006, energy policies of IEA countries, Greece review, IEA/OECD,
- International Ocean Institute, 2006, Evaluation of Integrated Coastal Zone Management (ICZM) in Europe, Final Report, International Ocean Institute
- Kaldellis J.K , 2007, The contribution of small hydro power stations to the electricity generation in Greece: Technical and economic considerations, Energy Policy -Volume 35, Issue 4, Pages 2187-2196
- Kaldellis J.K , 2008, Critical evaluation of the hydropower applications in Greece Renewable and Sustainable Energy Reviews Volume 12, Issue 1, Pages 218-234
- Kallia A , 2009, The European legal framework for waste management and implementation in Greece Journal: Environmental law & Issue: 4/2009
- Kallioras A , Pliakas F, Diamantis I, 2006, The legislative framework and policy for the water resources management of transboundary rivers in Europe: the case of Nestos/Mesta River, between Greece and Bulgaria - Environmental Science & Policy, Volume 9, Issue 3, Pages 291-301
- Kaloudi H , 2007, environmental impact of Egnatia: the case of the ex-natural environment, Aristotle University, School of Engineering, Civil Engineering Department,
- Karagiorgas M, Zacharias D, Kyrkou A., 2010, Guide for the Environment, Renewable Energy Sources, WWF,
- Kasimis C, Stathakis G, (eds) (2003) The Reform of the CAP and Rural Development in Southern Europe, Ashgate, Aldershot
- Kaukala, G. & Andrikopoulou, E. (2000) Spatial implications of European Policies. The Greek experience 1989-1999, Ministry of Environment, Country Planning and Public Labour (Ypexode)
- Kazakopoulos and I. Gidarakou (2003) Young women farm heads in Greek agriculture - entering farming through policy incentives, Journal of Rural Studies, Volume 19, Issue 4, October 2003, Pages 397-410
- Kizos T, (2002) "The dynamics of rural landscape: evaluation of spatial impact of CAP in the countryside of Aegean Islands", Department of Environmental Studies, University of the Aegean, Mytilene (in Greek)
- Kizos T, (2008) Rural environmental management in Greece as a cultural frontier between the 'occident' and the 'orient', Arbor, Vol CLXXXIV, No 729, pp. 127-142.
- Kizos T, Dalaka A, Petanidou T, (2010) Farmers' practices and landscape change: Evidence from the abandonment of terraced cultivations on Lesvos, Greece, Agriculture and Human Values, 27, pp 199–212.

- Kizos T, Koulouri M, 2006, Agricultural landscape dynamics in the Mediterranean: Lesvos (Greece) case study using evidence from the last three centuries *Environmental Science & Policy* Volume 9, Issue 4, Pages 330–342, European Rural Landscapes: Land-use, biodiversity, and conservation
- Kizos T, Koulouri M, (2010) Same Land Cover, Same Land Use at the Large Scale, Different Landscapes at the Small Scale: Landscape Change In Olive Plantations On Lesvos Island, Greece, *Landscape Research*, 35(4), pp. 449 – 467.
- Kizos T, Koulouri M, Vakoufaris H, Psarrou M, (2010) Preserving Characteristics Of The Agricultural Landscape Through Agri-Environmental Policies: The Case Of Cultivation Terraces In Greece, *Landscape Research* 35(6), pp. 577 – 593.
- Kizos, T. & Koulouri, M. (2006) Agricultural landscape dynamics in the Mediterranean: Lesvos (Greece) case study using evidence from the last three centuries, *Environmental Science & Policy*, Volume 9, Issue 4, pp. 330-342
- Kizos, T. & Spilanis, I. (2004) The transformation of landscape: modeling policy and social impacts on the
- Kokkosis, H. (1999) Policies for the urban environment. In Economou, D., Petrakos, G. (eds) *The development of Greek cities. Interdisciplinary approaches of urban analysis and policy*, Volos: University of Thessaly Publications, Gutenberg, pp. 481-490
- Lasaridi K, 2009, Implementing the Landfill Directive in Greece: problems, perspectives and lessons to be learned *geoj_* - 342 261..273261..273, *The Geographical Journal*, Vol. 175, No. 4,
- Lazaridou S, (2007) "The new CAP and Greece", School of Management and Economy, Faculty of Logistics, Technological Educational Institute of Thessaloniki (in Greek)
- Legislative and Institutional Issues for Energy & Water Greece, Italy, Spain, Portugal
- Liarikos C, 2004, Report of Greek regional policy: brief background description of the CSF and analysis of the relationship with the environment, *wwf*
- Local attitudes on protected areas: Evidence from three Natura 2000 wetland sites in Greece *Journal of Environmental Management* Volume 91, Issue 9, Pages 1847.
- Lychnaras, V., Schneider, U.A (2011). Multi-farm economic analysis of perennial energy crops in Central Greece, taking into account the CAP reform, *Biomass & Bioenergy* Volume 35, Issue 1, Pages 700–715
- Mafrakordopoulou O, 2010, Landscape ecology in Epanomi wetland - Thessaloniki Prefecture, Greece, Aristotle University of Thessaloniki, School of Forestry and Natural Environment;
- Magazine: ENVIRONMENTAL LAW & Issue: 3/2010, Publication: Law Library Section: B articles - opinions, p 439
- Mallinis G, Emmanoloudis D, Giannakopoulos V, Maris F, Koutsias N, (2011). Mapping and interpreting historical land cover/land use changes in a Natura 2000 site using earth observational data: The case of Nestos delta, Greece, *Applied Geography* 31, 312-320.
- Mallinis G, Emmanoloudis D, Giannakopoulos V, Maris F, Koutsias N, 2010, Mapping and interpreting historical land cover/land use changes in a Natura 2000 site using earth observational data: The case of Nestos delta, Greece, *Applied Geography* -Volume 31, Issue 1, January 2011, Pages 312–320 Hazards
- Manos B , Bournaris T, Papathanasiou J, Chatzinikolaou P, (2009) Evaluation of tobacco cultivation alternatives under
- Mantzanas K.T, Papanastasis V.P, (2005) Proceedings of National Workshop Silvoarable systems in Greece (Technical and Policy considerations), HELEXPO (ZOOTECHNIA 2005), 4 February 2005, Aristotle University of Thessaloniki
- Maravegias N, (2007) "In search for a European strategy for the rural areas", IEIP Working Paper: WP.A01/08, The Institute of European Integration and Policy (IEIP), School of Law, Economics & Political Sciences, National and Kapodistrian University of Athens (in Greek)
- Maravegias, N. (1992) *Agricultural policy and economic development in Greece*, Nea Sinora, Athens
- Maria, E. A. (2009) *The legal protection of landscape in international, european community and national law* , Athens: Sakkoula

Markatos D, Koutsis K, 2008, Parks Diving - A new tool for sustainable marine environment Journal: Environment & law, Issue: 2/2008, April - May-June Issue: Law Library Section: C issues, p 237

Meeusa, J.H.A., Wijermansa, M.P. and Vrooma, M.J. (1990) "Agricultural Landscapes in Europe and their Transformation", Landscape and Urban Planning, Volume 18, pp. 289-352

Michaelides, G. (2003) Framework of Implementation of Actions of Regional and Local Development in Greece: Mechanism - Cases - Suggestions , University of Thessaly, School of Engineering, Department of Planning and Regional Development, Research Paper Series, 9(8): 133-146

Michailidou, E. & Rokos, D. (2001) Land policy for integrated development of mountainous areas in the sectors of agriculture, stockbreeding and forestry, 3rd Conference of Metsovion interdisciplinary research center M.I.R.C. of the N.T.U.A. for the protection and development of mountainous environment and local European cultures ,National Technical University (NTUA)

Minetos D, Polyzos S, Sdrolas K, 2007, Features and spatial analysis of illegal housing in Greece, Management of International Business & Economic Systems(MIBES) , Transactions on line , vol 1, issue 1, 86-107

Ministry for the environment, physical planning and public works,2006, report of Greece on coastal zone management

Ministry for the environment, physical planning and public works,2009, national policies and measures GHG emissions projections,

Ministry of Agricultural Development, 2007, Annual Progress Report,

Ministry of Agricultural Development, 2008,Annual Progress Report,

Ministry of Agricultural Development, 2009,Annual Progress Report,

Ministry of Agricultural Development and Food,2007, Conclusions of the study of the Periphery of Thessaly for the implication of New Agricultural Policy (CAP), Ministry of Agricultural Development and Food, August, 2007

Ministry of Agricultural Development, 2010,Agricultural Development Plan of Greece 2007-2013,

Ministry of Agricultural Development, 2010,New strategy of agricultural development,

Ministry of Environment and Climate Change ,2004, 2nd report of the directive 92/43/EEC (reference period: 2001 - 2006),Ministry of Environment and Climate Change

Ministry of environment, physical planning and public works, General directorate for environment, 1998, first national report on the convention on biological diversity

Ministry of rural development and food administration department of community resources and infrastructure special service management rural development programme, 2010, interim evaluation report rural project development As Hellas 2007-2013,Aristotle University Thessaloniki, Faculty of Agriculture rural area economy

Ministry of Rural Development and Food, 2004, Planning Document of Agricultural Development, Observatory for digital Greece

Ministry of Rural Development and Food, Administrative Department of Community Resources and Infrastructure, Managing argotic development program, 2011, Annual Progress Report,

Ministry of rural development and food,administration department of community resources and infrastructure,2010,interim evaluation report rural development plan dp Greece 2007-2013,Aristotle university Thessaloniki school department of agriculture rural economy

Ministry of Rural development, Community administrative sector resources and infrastructure, Managing Rural Development Programme, 2010, an interim evaluation of the Rural Development Programme 2007-2013 Greece, Aristotle University of Thessaloniki, Faculty of Agriculture, Department of Agricultural Economics

Ministry of the environment, Physical planning and public works,2002,Greek Strategy for Sustainable Development

Mitka C, 2009, Study of the temporal landscape changes at the region of Kopatsari in the prefecture of Grevena with the use of GIS, Aristotle University of Thessaloniki, School of Forestry and Natural Environment

Mourmouris A.,Kasidi E.,Vourvahis M.,Grigoriou E.,Kanellopoulou K.,2006,report of Greece on coastal zone management, Athens, March 2006,Ministry of the environment, Physical and public works

- Mylonopoulos D, Fate P, 2010, The institutional framework for the management of protected areas in Greece - The case of the Zakynthos National Marine Park; Journal: Environment & law, Issue: 3/2010, Publication: Law Library Section: B articles - opinions, p 429
- Mylopoulos Y.A, Kolokytha E.G, 2008, Integrated water management in shared water resources: The EU Water Framework Directive implementation in Greece Physics and Chemistry of the Earth, Parts A/B/C Volume 33, Issue 5, 2008, Pages 347-353 Integrated Water Resources Management in a Changing World .
- Mylopoulos Y.A, Kolokytha E.G, 2008, Integrated water management in shared water resources: The EU Water Framework Directive implementation in Greece, Physics and Chemistry of the Earth, Parts A/B/C-Volume 33, Issue 5, 2008, Pages 347-353 Integrated Water Resources Management in a Changing World
- N 3818/2010 (Government Gazette A 17/16.2.2010) Protection of forests and forest lands in Attica, setting up the Special Secretariat of Environment and Energy Inspectorate and other provisions Journal: environmental law & Issue: 4/2009, October - November-December Issue : Law Library Section: A LAW, Current legislation, 615 p
- National School of Public Administration, Department of General Administration, 2010, The new common agricultural policy in Greece-Application and Effects
- Natura 2000 networking programme, site management case studies, 2004, Tilos Natural Park
- NCESD - National Center for Environment and Sustainable Development, 2008, Status Report on the Environment in Greece in the 2008 , NCESD
- OECD, 2009, environmental performance reports, Greece, OECD
- Oikonomou EK, Kiliass V, Goumas A, Rigopoulos A, Karakatsani E, Damasiotis M, Papastefanakis D, Marini N, 2009, olive oil system, Land Use Policy 28, 47–56
- Panoutsos C, (2008) Bioenergy in Greece: Policies, diffusion framework and stakeholder interactions, Energy Policy ,Volume 36, Issue 10, Pages 3674–3685
- Panoutsos C, Namatov I, Lychnaras, V, Nikolaou A, (2008) Biodiesel options in Greece. Biomass and Bioenergy, Volume 32, Issue 6, Pages 473–481
- Papadaskalopoulos A, Karaganisa A, Christofakis M, (2005) "The spatial impact of EU Pan-European transport axes: City clusters formation in the Balkan area and developmental perspectives", Transport Policy, Vol. 12, pp. 488–499
- Papadimitriou, D. (2006) ,Agricultural subsidies as political instruments for the sustainability: the case of olive-crop's subsidies in the Lesvos County, Department of Environmental Sciences, Aegean University, Mytilene
- Papadopoulou E, Papalexiou C, 2008, Country profile on rural characteristics, Greece, Assessing the impact of rural development policies (incl. LEADER), Funded by the 7th Framework Programme for Research and Technology Development of the European Commission
- Papageorgiou K., Vogiatzakis I.N, 2006, Nature protection in Greece: an appraisal of the factors shaping integrative conservation and policy effectiveness, environmental science & policy Volume 9, Issue 5, Pages 476-486
- Pelagos cetacean research institute, 2002, preparation of the strategic action plan for the conservation of biological diversity in the Mediterranean region- SAP BIO, national report for Greece
- Pepelasis, A (1980) The implications for Greek agriculture (CAP and Greece), Food Policy, Volume 5, Issue 4, November 1980, Pages 247-257
- Petanidou, T., Kizos, T., Soulakellis, N. (2008) Socioeconomic dimensions of changes in the agricultural landscape of the Mediterranean Basin: a case study of the abandonment of cultivation terraces on Nisyros Island, Greece, Environmental Management, 41, pp. 250-266.
- Peter A. Spatiotemporal Kakouri ,2008, Impacts on landscape from spatiotemporal change of silvopastoral land uses - 2008 Thessaloniki, auth-school of forestry and natural environment, department of wild fauna and livadonias_ichthyoponias, freshwater ecology laboratory livadakis
- Pezaros P, (2008), "The last reform of CAP and its implication in Greece: structural and political approaches". In Kribas, K. & Louloudis, L. (eds) Greek Farming and Agricultural Policy, Athens: Academy of Athens, pp. 27-50 (in Greek)

- Pezaros P.D, (2004) "The CAP in the Greek Context". In Dimitrakopoulos, D & Passas, A (eds.) Greece in the EU, London and New York: Routledge, pp. 19-29
- Pezaros P.D, (2011) ,The Common Agricultural Policy: Problems and Perspectives, Political and Economic Review ,International and European Politics, issues 21-22, eds Papazisis, pp. 182-198
- Potsiou C , Volakakis M, Doublidis P, 2001. Hellenic cadaster: state of the art experience, proposals and future strategies Computers, Environment and Urban Systems Volume 25, Issues 4-5, Pages 445-476
- Prespa protection company, 2006,interaction design Ntevoli river-lake small Prespas (Greece-Albania),Hellenicaid, Ministry of Foreign Affairs, WWF
- Prieur M, Ghezali M,2000, National Legislations and Proposals for the Guidelines Relating to Integrated Planning and Management of the Mediterranean Coastal Zones, UNEP/Priority Actions Programme, Regional Activity Centre
- Priority actions programme (PAP), 2006, Expert Meeting on Landscape Management in the Mediterranean, PAP 2006 LM/EM.1 PAP/RAC
- priority actions programme, 2005, Mediterranean landscapes, contribution to a better management, priority actions programme
- Proceedings of the 9th Panhellenic Conference of Rural Economy ,2006 , - Sector: The new Common Agricultural Policy, Athens, 2006 (in Greek)
- Psaltopoulos, D., Balamou, E., Skuras, D., Ratering, T., Sieber, S. (2011) Modelling the impacts of CAP Pillar 1 and 2 measures on local economies in Europe: Testing a case study-based CGE-model approach, Journal of Policy Modeling, Volume 33, Issue 1, Pages 53–69
- Psicharis, Y. (2004) Regional programs and regional policy in Greece: evaluation and prospects, Aeixoros, 3: 1, 56 — 79
- Ramsar, 2008, national report on the implementation of the Ramsar convention on wetlands, National Reports to be submitted to the 10th Meeting of the Conference of the Contracting Parties, Ramsar
- Renewable energy sources (RES) projects and their barriers on a regional scale: The case study of wind parks in the Dodecanese islands, Greece Received 24 September 2008; accepted 16 June 2009. Available online 16 July 2009. Energy Policy Volume 37, Issue 11, November 2009, Pages 4874-4883 .
- RES service,2011,Annual Progress Report 2010,Ministry of Environment, Energy and Climate Change
- Road Axes, Ports, Urban Development - Operational Plan 2000-2006, Opinion of Economic and Social Council of Greece , 3rd Community Support Framework, 26 November 2001, Athens
- Samiotis G., 2009, The integration and application of Community law and international environmental protection in Greece Magazine: environmental law & Issue: 1/2009, Publication: Law Library Section: B articles - opinions, p 27
- Scheidel A , Krausmann F, (2011) Diet, trade and land use: a socio-ecological analysis of the transformation of the
- Schindler S, Curado N, Nikolov S, Kret E, Cárcamo B, Catsadorakis G, Poirazidis K, Wrbka T, Kati V, 2011, From research to implementation: Nature conservation in the Eastern Rhodopes mountains (Greece and Bulgaria), European Green Belt Journal for Nature Conservation Volume 19, Issue 4, September 2011, Pages 193–201- Received 1 April 2010. Revised 7 December 2010. Accepted 9 January 2011. Available online 6 May 2011.
- Seenergy 2020 , 2011, Comparative analysis of Maritime Spatial Planning (MSP) regimes, barriers and obstacles, good practices and national policy recommendations, Intelligent energy Europe
- September 2004
- Serraos K, Gianniris E , Zifou M, The Greek spatial and urban planning system in the European context, NTUA
- Sevenant M, Antrop M , 2006, Settlement models, land use and visibility in rural landscapes: Two case studies in Greece, Landscape and Urban Planning Volume 80, Issue 4, 20 May 2007, Pages 362–374
- Sifounakis, N. (2006) The initiative report for the protection of the European natural, architectural and cultural heritage of rural and insular areas, Tracing Europe, Speeches and articles, 172 - 194, Athens: Kastanioti

- Sioulas C, Rutz D, Prassl H, Agrinz G, 2008, Report on policies in Greece biogas-Deliverable 3.1 Project: BiG> East (EIE/07/214) Work Package 3.1
- Skoulou V, Mariolis N, Zanakis G, Zabaniotou A, Sustainable management of energy crops for integrated biofuels and green energy production in Greece, Renewable and Sustainable Energy Reviews Volume 15, Issue 4, Pages 1928-1936
- Skoulou V, Zabaniotou A, 2005, Investigation of agricultural and animal wastes in Greece and their allocation to potential application for energy production -Renewable and Sustainable Energy Reviews Volume 11, Issue 8, Pages 1698-1719,
- Spilanis I., Iosifidis T. and Kizos T. (2004) Development Strategies in Less Favored Areas, Tipothito, Athens (in Greek).
- Stroosnijder L, Mansinho M.I, Palese A.M., (2008) "OLIVERO: The project analyzing the future of olive production systems on sloping land in the Mediterranean basin", Journal of Environmental Management, Volume 89, Issue 2, pp. 75-85
- Sumelius, J. (2001) "Environmental transport policies and rural development", 73rd Seminar of the European Association of Agricultural Economists, Ancona, 28-30 JUNE 2001,
- Suzenet G, 1997, R&D policies, case study : water, present status in Greece, Italy, Portugal and Spain, European Commission
- the EU common agricultural policy (CAP), Journal of Policy Modeling 31, 225–238
- Thoidou E, Ph.D. candidate, Faculty of Architecture, Aristotle University of Thessaloniki / Department of Urban and Regional Planning and Development, Spatial Development Research Unit spatial integration of policies and regional development : spatial dimensions of development programs in European Union and Greece
- Triantafyllopoulos N, Alexandropoulou I, 2010, Land-Based Financing of the EU Jessica Initiatives Discussion Paper Series, 16(8): 183-202
- Tsagarakis K.P, Mara D.D, Horan N.J, Angelakis A.N, 2001, Institutional status and structure of wastewater quality management in Greece, National Foundation for Agricultural Research, Regional Foundation for Agricultural Research of Crete, School of Civil Engineering, University of Leeds, Leeds LS2 9JT, UK, Water Policy, Volume 3, Issue 1, Pages 81-99
- Tsakiri M.K, (2008) "The impact of CAP reform in the regional economy", Aristotelian University of Thessaloniki, School of Geotechnical Sciences, Department of Geoponic (in Greek)
- Tsoulouvis, L, (1998) Planning, the Urban System and New Forms of Inequality in Greek Cities, Progress in Planning, Volume 50, Issue 1, Pages 3-74
- Tzanopoulos J, Vogiatzakis I.N, 2009, Processes and patterns of landscape change on a small Aegean island: The case of Sifnos, Greece Landscape and Urban Planning, Volume 99, Issue 1, 30 January 2011, Pages 58-64
- Tzanopoulos J., Vogiatzakis I.N (2010), Processes and patterns of landscape change on a small Aegean island: The case of Sifnos, Greece, Landscape and Urban Planning Volume 99, Issue 1, 30 January 2011, Pages 58–64
- Tzatzanis M, Wrba T, Sauberer N, 2003, Landscape and vegetation responses to human impact in sandy coasts of Western Crete, Greece Journal for Nature Conservation, Volume 11, Issue 3, 2003, Pages 187–195
- Tzika I, (2009) "Evaluation of New Farmers Program", Agricultural University of Athens, Department of Agricultural Economics and Rural Environment (in Greek)
- UNEP/MAP, 2011, annual report, strategic partnership for the Mediterranean sea large marine ecosystem
- United nations, 2002, Greece-country profile, United nations
- Vadratsikas P, 2007, The European Water Framework Directive (2000/60/EC). Its implementation in European countries and in the Greek national legislation with the 3199/2003 law, Thesis- auth school, department of civil engineering,
- Vadratsikas P. M, 2007, The European Water Framework Directive (2000/60/EC). Its implementation in European countries and in the Greek national legislation with the 3199/2003 law, Aristotle University of Thessaloniki, Faculty of Engineering, School of Civil Engineering.

- Valatsos T., Lawyer, Researcher at the Katholieke Universiteit Leuven, 2000, Land use issues in energy projects: Community and national dimension Magazine: environmental law & Issue: 3/2000, Publication: Law Library Section: Second articles, P. 375
- Valavanidis A, Vlachogianni T, 2010, The Most Important and Urgent Environmental Problems in Greece in the Last Decade (2000-2010), Department of Chemistry, University of Athens,
- Valavanidis A, Vlachogianni T, 2011, The Most Important and Urgent Environmental Problems in Greece in the Last Decade (2000-2010), Department of Chemistry, University of Athens, University Campus Zografou,
- Valavanidis A, Vlachogianni T, 2010, The Most Important and Urgent Environmental Problems in Greece in the Last Decade (2000-2010) University of Athens, Department of Chemistry
- Vassiliadis A, (2007) "Calculating the consequences of the new CAP in cotton crops", Aristotle University of Thessaloniki,
- Vlado A. Architect - Planner, Public Works, 1997, Issues poltikis exercise of land use in urban areas through the development and implementation of planning legislation. From the SW 17.7/16.8.1923 to date -Magazine: Environmental law L & Issue: 1/1997
- Vlado A., Architect-Planner, 2010, Landscape as the object of legal protection: relations between antifaseis and rules of law and reality, Article Published: law and nature
- WWF Greece, 2008, 4th report commitments without application: The Environmental legislation in Greece,
- WWF Hellas - 2005, commitments without application: H Environmental legislation in Greece, first report-WWF Ελλάς
- WWF Hellas (2004), Evaluation of Protected Areas System Greece: from theory to practice. WWF Hellas, policy document,
- WWF Hellas (2004), Evaluation of Protected Areas System Greece: from theory to practice. WWF Hellas, policy document,
- WWF hellas- Greek Ornithological Society & Greek company Environment and Culture, 2009, Greek Ramsar Wetlands: Assessment of Protection and Management.
- WWF Hellas, Greek Ornithological Society & Greek Company Environment and Culture, 2009, Greek Ramsar Wetlands: Assessment of Stewardship. Athens. February 2009.
- WWF, 2012, Annual review, Commitments for implementation Environmental legislation in Greece - SUMMARY , WWF
- Zalidis G.C, Tsiafouli M.A, Takavakoglou V, Bilas G, Misopolinos N, (2004) Selecting agri-environmental indicators to facilitate monitoring and assessment of EU agri-environmental measures effectiveness, Journal of Environmental Management, Volume 70, Issue 4, Pages 315–321
- Zomeni, M., Tzanopoulos, J., Pantis, J.D. (2008) Historical analysis of landscape change using remote sensing techniques - An explanatory tool for agricultural transformation in Greek rural areas, Landscape and Urban Planning 86, 38–46
- EEA, 2010, The European environment – state and outlook 2010 - Country assessments-land use (Greece), EEA Hellenic Republic, Ministry for the environment, Physical planning and public works, 2002 , Executive Summary National strategy for sustainable development

Italy

- 5th conference of the Council of Europe on the European landscape convention, 2009, presentation of the landscape policies in the member states of the Council of Europe, European landscape convention
- Abruzzo, 2010, service and ex-post evaluation of the Rural Development Programme 2007-2013, raporto interim evaluation
- Abruzzo, 2011, the Rural Development Programme 2007-2013,

- Agnoletti M., 2007 The degradation of traditional landscape in a mountain area of Tuscany during the 19th and 20th centuries: Implications for biodiversity and sustainable management, *Forest Ecology and Management*, Volume 249, pp. 5–17
- Albiac J., 2006, The Case of the Water Framework Directive and Irrigation in Mediterranean Agriculture, Issue Paper of the 2006 Human Development Report
- Albiac J., 2009, human development report, the case of the water framework directive and irrigation in Mediterranean agriculture,
- Antonietta M., Komesar S., 2010/2011, European Policies for Renewable Energies - The Italian implementation of Directive 2009/28/EC, University of Pavia, faculty of political science, economics course interfaculty degree in economics, politics and international institutes,
- Arcangeli A., Giulia Benassi G., Bianco P.M., Biscardi S., D'Antoni S., Giacanelli V., Gori M., Pani F., Perinelli E., Pettiti L., Natalia M.C., Vindigni V., 2010, Synergies between the Framework Directive on Water and directives Habitat and Birds for the protection of ecosystems water with particular reference for Protected Areas, Natura 2000 and Ramsar
- Balzarolo D., Lazzara P., Colonna P., Becciu G., Rana G., 2011, The implementation of the Water Framework Directive in Italy
- Bartolini F., Bazzani G.M., Gallerani V., Raggi M., Viaggi D., 2005, The impact of water and agriculture policy scenarios on irrigated farming systems in Italy: An analysis based on farm level multi-attribute linear programming models, *Agricultural Systems*, Volume 93, Issues 1-3, March 2007, Pages 90-114
- Bartolini F., Gallerani V., Raggi M., Viaggi D., 2010, water management and irrigated agriculture in Italy: multicriteria analysis of alternative policy scenarios, IWA publishing 2010
- Benini L., Bandini V., Marazza D., and Contin A., 2009, Assessment of land use changes through an indicator-based approach: A case study from the Lamone river basin in Northern Italy, *Ecological Indicators* Volume 10, Issue 1, January 2010, Pages 4-14-Landscape Assessment for Sustainable Planning
- Benini L., Bandini V., Marazza D., Contin A., 2010, Assessment of land use changes through an indicator-based approach: A case study from the Lamone river basin in Northern Italy, *Ecological Indicators*, Volume 10, Issue 1, January 2010, Pages 4–14, Landscape Assessment for Sustainable Planning
- Blasi C., Capotorti G., Smiraglia D., Guide D., Zavattero L., Mollo B., Frondoni R., Copiz R., 2010, thematic contribution to the National Strategy for Biodiversity, All rights reserved Ministry of the Environment, Land and Sea, Directorate for nature Protection and Sea
- Blasi C., Burrascano S., Maturani A., Sabatini F.M., 2010, a thematic contribution to the national biodiversity strategy, old-growth forests in Italy, Ministry for the environment land and sea protection, nature protection directorate
- Canova L., 2006, Protected areas and landscape conservation in the Lombardy plain (Northern Italy): an appraisal, *Landscape and Urban Planning*, Volume 74, Issue 2, 15 January 2006, pp. 102-109
- Capello R., Capitani G., Fareri P., Rivolin U.J., Giacobbi M., 2010, Policy Impact Projects (Priority 2), Espon Contact Point, © University of Rome "Tor Vergata"
- Caputo A, Galosi A., Gaudioso D., Campanale R.M., Femia A., 2010, Climate change mitigation (Italy) - Part C - Italy Commonality, European environment agency
- Carrà N., 2007, The experiences of urban regeneration of Calabrian cities, 1st Euro-Mediterranean Regional Conference, RehabiMed, Barcelona, 12-15 July 2007, Congress Acts, 388 - 389
- Caruso G., Leonardi M., Monticelli L.S., Decembrini F., Azzaro F., Crisafi E., Zappalà G., Bergamasco A., Vizzini S., 2010, Assessment of the ecological status of transitional waters in Sicily (Italy): First characterisation and classification according to a multiparametric approach, *Marine Pollution Bulletin*, Volume 60, Issue 10, October 2010, Pages 1682-1690
- Co Meta C., 2006, Status of implementation of EU environmental laws in Italy, European Parliament's Environment, Public Health and Food Safety Committee

Comitato Nazionale di Sviluppo Spaziale, 2007, finanziare lo sviluppo urbano sostenibile,

Committee for economic planning, 2002, Italian report on demonstrable progress under article 3.2 of the Kyoto protocol

Conservation Committee, 2006-2007, Italy Voluntary Cetacean Conservation Report, Government of Italy

Consorzio Co, 2006, Status of implementation of EU environmental Laws in Italy, European parliament's Environment, Public health and food safety committee

Cotta M.G., Consentino A., 1999, National Report prepared for the 7th Meeting of the Conference of the Contracting Parties to the Convention on Wetlands (Ramsar, Iran, 1971), Ramsar COP6

Croce G.D., Vicentini P., 2003, National report to the third session of the United Nations forum on forests, United Nations

Diakosavvas D., 2011, OECD workshop evaluation of agri-environmental policies, OECD

Diamantini C., Zanon B., 2000, Planning the urban sustainable development The case of the plan for the province of Trento, Italy, Environmental Impact Assessment Review, 20:3, 299-310

Directorate General Environment, 2009, Unit E.4.-LIFE Ex-Post Evaluation of Projects and Activities Financed under the LIFE Programme -Country-by-country analysis - Italy

Donati A., Finocchiaro, 2010, Responses Country assessments Italy Freshwater - National Responses (Italy), The European environment – state and outlook 2010 Synthesis-Global megatrends/Thematic assessments

Dufour A., 2011, national report on the implementation of the Ramsar convention of wetlands, Ramsar

European Commission, 1999, European Spatial development perspective, towards balance and sustainable development of the territory of the European Union, Luxembourg: Publications Office of the European Communities

European Commission, 2005, Newsletter on the Human Dimension in water management

European commission, 2009, Environment Policy Review, Luxembourg: Publications Office of the European Communities

European Commission, 2012, Support studies and assessments for the Blueprint to safeguard Europe's Waters

European Commission, DG Environment –LIFE Unit, 2010, Overview Italy-LIFE country factsheet

European Environment Agency, 2011, Freshwater - Drivers and pressures (Italy)

European Union, 2007, Regulation (EC) No 614/2007 of the European Parliament and of the Council concerning the Financial Instrument for the Environment (LIFE+), Official Journal L 149, 09/06/2007 P. 0001 - 0017

European Urban Knowledge Network, 2005, National Urban Policy of Italy

Farinelli U., 2009, Renewable energy policies in Italy, Energy for Sustainable Development, Volume 8, Issue 1, March 2004, Pages 58-66

Fischer T.B., Gazzola P., 2006, sea effectiveness criteria—equally valid in all countries? The case of Italy, Environmental Impact Assessment Review-Volume 26, Issue 4, May 2006, Pages 396-409

Formica S., Uysal M., 1996, The revitalization of Italy as a tourist destination, Tourism Management, Volume 17, Issue 5, August 1996, Pages 323-331

Frondoni R., Mollo B., Capotorti G., 2011, A landscape analysis of land cover change in the Municipality of Rome (Italy): Spatio-temporal characteristics and ecological implications of land cover transitions from 1954 to 2001, Landscape and Urban Planning, Volume 100, Issues 1-2, pp. 117-128

Gelli F., 2001, Planning Systems in Italy within the Context of New Processes of Regionalization, International Planning Studies, 6:2, 183-197

Giupponi C. & Rosato P., 1995, simulating impacts of agricultural policy on nitrogen losses from a watershed in Northern Italy, Environment International Volume 21, Issue 5, pp. 577-582

Giupponi C., Ramanzin M., Sturaro E., Fuser S., 2006, Assessing Climate Change Effects on Land Use and Ecosystems in Europe Climate and land use changes, biodiversity and agri-environmental measures in the Belluno province, Italy, Environmental Science & Policy, Volume 9, Issue 2, April 2006, Pages 163-173

- Giupponi C., Ramanzin M., Sturaro E., Fuser S., 2006, Climate and land use changes, biodiversity and agri-environmental measures in the Belluno province, Italy, *Environmental Science & Policy*, Volume 9, Issue 2, April 2006, Pages 163–173
- Haring A.M., Dabbert S., Aurbacher J., Bichler B., Eichert C., Gambelli D., Lampkin N., Offermann F., Olmos S., Tuson J., Zanolli R., 2004, impact of CAP measures on environmentally friendly farming systems : status quo, analysis and recommendations, the case of organic farming, *Environmentally Friendly Farming Systems and the Common agricultural policy*
- Il bilancio di LIFE-Natura in Italia - Indicazioni e prospettive per il futuro, Ministero dell' ambiente e della tutela del territorio e del mare
- Institute for Environmental Protection and Research, 2008, KEY TOPICS, Italian Environmental Data Yearbook distribution for the g8 environment, environmental protection agencies of the regions and autonomous provinces
- ISPRA, Italian Greenhouse Gas Inventory 1990-2008 - National Inventory Report 2011, European Topic Centre on Sustainable Consumption and Production
- Istituto Superiore per la Protezione e la Ricerca Ambientale-ARPAV Agenzia Regionale per la Prevenzione e Protezione Ambientale del Veneto, 2010, Nature Map of Veneto the scale 1:50.000, Reports - No. 106/2010
- Italian Republic, 2010, service and ex-post evaluation of the Rural Development Programme 2007-2013, Interim Evaluation Report,
- Kyoto Protocol, 2002, Italian report on demonstrable progress under article 3.2 of the Kyoto protocol
- Lechtenböhmer S., Perrels A., Arnold K., Bunse M., Ramesohl S., Scholten A., Supersberger N., 2006, Security of energy Supply the potential and reserves of various energy sources, technologies furthering self-reliance and the impact of policy decisions, European Parliament's committee on Industry, Research and Energy (ITRE)
- Maiorano L., Falcucci A., Boitani L., 2006, changes in land-use /land-cover patterns in Italy and their implications for biodiversity conservation , Springer science + business media B.V 2006
- Maiorano L., Falcucci A., Boitani L., 2006, Gap analysis of terrestrial vertebrates in Italy: Priorities for conservation planning in a human dominated landscape, *Biological Conservation*, Volume 133, Issue 4, December 2006, Pages 455-473
- Mancini L., Aulicino F.A., Marcheggiani S., D'Angelo A.M., Pierdominici E., Puccinelli C., Scenati R., Tancioni L., 2010, multi-criteria approach for the environmental impact assessment of inland aquaculture, environmental issues of health concern
- Marini L., Klimek S., Battisti A., 2011, Mitigating the impacts of the decline of traditional farming on mountain landscapes and biodiversity: a case study in the European Alps, *Environmental Science & Policy* Volume 14, Issue 3, May 2011, Pages 258-267
- Marini L., Klimek S., Battisti A., 2011, Mitigating the impacts of the decline of traditional farming on mountain landscapes and biodiversity: a case study in the European Alps, *Environmental Science & Policy*, Volume 14, Issue 3, May 2011, pp. 258-267
- Martinelli A., Notargiacomo T., Charavgis F., 2006, preliminary WFD activities in the Umbria region and ecological aspects, 16th Meeting of the Italian Society of Ecology
- Martinelli F., Vicentini P., Corona P., 2004, national report to the fourth session of the United Nations forum on forests, United Nations
- Massa B., Mantia T., 2007, Forestry, pasture, agriculture and fauna correlated to recent changes in Sicily, *Italian Society of Silviculture and Forest Ecology*
- Medhurst J., Franckx L., Arcadis, Schoeters K., 2010, mid-term evaluation of the implementation of the life + regulation, final report Annexes
- Meggiolaro M., Castaldelli G., 2012, Sustainable agriculture and quality elements in support of the application of the Nitrates Directive in the provinces of Rovigo and Ferrara, Province Ferrara Tutti rights reserved

Ministry for the environment and territory, 2002, environmental action strategy for sustainable development in Italy, United Nations

Ministry for the environment land and sea, 2011, Italian national report on the implementation of ICZM, based on the EU ICZM recommendation, directorate general for nature and marine protection

Ministry of Economic Development, 2007, National strategic framework for regional development policy 2007-2013, National Observatory of Tourism

Ministry of Environment and Protection of Land and Sea, 2010, The National Strategy for Biodiversity

Ministry of Environment, Directorate for Nature Protection, 2005, National Biodiversity Strategy and Action Plan

Ministry of Environment, Land and Sea, 2009, implementing the Water Framework Directive 2000/60/EC Transposition of the Directive in Italy

Ministry of the Environment and Land Protection, Directorate for Soil Protection, 2006, Flood risk management in Italy

Monteiro A.T., Fava F., Hiltbrunner E., Marianna G., Bocchi S., 2011, Assessment of land cover changes and spatial drivers behind loss of permanent meadows in the lowlands of Italian Alps, *Landscape and Urban Planning*, Volume 100, Issue 3, 15 April 2011, Pages 287-294

Murino R., 2009, measurements and performance evaluation of Italian regions for the water sector, *Jdyses*, (3) No 1

Nascimbene J., Marini L., 2010, Oak forest exploitation and black-locust invasion caused severe shifts in epiphytic lichen communities in Northern Italy, *Science of The Total Environment*, Volume 408, Issue 22, 15 October 2010, Pages 5506-5512

National Institute for Environmental Research and Protection, Ispra2011-, Italy Climate Policy Progress Report ISPRA- Reports - No. 142/2011

National Institute for Environmental Research and Protection, Ispra2011- Italy Solid Waste Report 2011 ISPRA Reports - No. 141/2011

OECD, 2009, Rural Policy Review: Italy,

OECD, Italy, conclusions and recommendations, <http://www.oecd.org/dataoecd/8/20/2450060.pdf>

Pacini C., Giesen G., Wossink A., Omodei-Zorini L., Huirne R., 2004, The EU's Agenda 2000 reform and the sustainability of organic farming in Tuscany: ecological-economic modelling at field and farm level, *Agricultural Systems*, Volume 80, Issue 2, pp. 171-197

Pacini C., Wossink A., Giesen G & Huirne R., 2004, Ecological-economic modelling to support multi-objective policy making: a farming systems approach implemented for Tuscany, *Agriculture, Ecosystems and Environment*, Volume 102, pp. 349-364

Patrone C., Vicentini P., Corona P., 2004, national report to the Fifth Session of the United Nations Forum on Forests, United Nations

Pignatti S, 1993, Impact of tourism on the mountain landscape of central Italy- *Landscape and Urban Planning*- Volume 24, Issues 1-4, July 1993, Pages 49-53

Pierr A., Ungaro F., Ciancaglini A., Happe K., Sahrbacher A., Sattler C., Uthes S., Zander P., 2009, Integrated assessment of future CAP policies: land use changes, spatial patterns and targeting, *Environmental science and policy*, Volume 12, pp. 1122-1136

Quillacq P., 2007, law and governance of water in the EU, directive 2000/60/ec establishing a frame for the community action in the field of water policy

Raffaelli K., Romani M., Boragno V., 2007, national report on current policy, procedures, legal basis and practice of Marine spatial planning in Emilia Romagna region, European Union

Regione abruzzo , 2011, programme of action for the zone "Nitrate vulnerables to agricultural origin",

RehabiMed, 2008, Governing the transformation of a terraced landscape: Rehabilitation of National Park "Cinque Terre", Liguria (Italy), *Mediterranean rehabilitation experiences*, 67 - 74

Republic of Italy, Ministry of the environment, 2009, fourth national report, Land and sea convention on biological diversity,

- Rinaldi M., Ruggieri S., Marcucci C., Loreti F., Acutis M., Malagoli C., 2008, European water directive evaluation and decision support system to improve irrigation management: RISP-IDRIC project, Agriculture Research Council, University of Milano, department of agriculture production, University of gastronomic sciences
- Rocca M.D., 2005, Planning and water (and soil) management in Italy: from law 183/89 to the implementation of the water framework directive 2000/60/CE in Italy, Gruppo 183
- Ruisi M., 2002, implementation of the water framework directive 2000/60/EC in the Tevere river basin, Centre international de Hautes Etudes Agronomiques Mediterraneennes
- Russi D., 2008, An integrated assessment of a large-scale biodiesel production in Italy: Killing several birds with one stone?, Energy Policy Volume 36, Issue 3, March 2008, Pages 1169-1180
- Russo P., Carullo L., Riguccio L., Tomaselli G., 2011, Identification of landscapes for drafting NATURA 2000 network Management Plans: A case study in Sicily-Landscape and Urban Planning-Volume 101, Issue 3, 15 June 2011, Pages 228-243
- Ruzza C., 2004, Environmental Sustainability and Policy Networks in Tourist Locations, University of Trento
- Salvati L. and Bajocco S., 2010, Land sensitivity to desertification across Italy: Past, present, and future, Applied Geography-Volume 31, Issue 1, January 2011, Pages 223-231-Hazards
- Salvati L., Carlucci M., 2009, Estimating land degradation risk for agriculture in Italy using an indirect approach, Ecological Economics, Volume 69, Issue 3, 15 January 2010, Pages 511-518
- Sambucini V., Marinosci I., Bonora N., Chirici G., 2010, The realization in Italy of the Corine Land Cover 2006 Project –ISPRA, National Institute for Environmental Research and Protection, Ispra2010-Reports - No. 131/2010
- Santarossa L., 2009, Co-operate in Europe, the results of the INTERREG programs in Italy, in June 2009 Editions Secret Cards
- Santarossa L., 2009, The results of INTERREG Programmes in Italy, Publisher: Edizioni Carte Segrete
- SOER, 2010, The European environment – state and outlook 2010- Country assessments-Italy-Country profile (Italy)
- SOER, 2010, The European environment – state and outlook 2010- Country assessments-Italy-Land use (Italy)
- SOER, 2010, The European environment – state and outlook 2010- Country assessments-Italy-Nature protection and biodiversity (Italy)
- SOER, 2010, The European environment – state and outlook 2010- Country assessments-Italy-Freshwater (Italy)
- SOER, 2010, The European environment – state and outlook 2010- Country assessments-Italy-Waste (Italy)
- SOER, 2010, The European environment – state and outlook 2010- Country assessments-Italy-Climate change mitigation (Italy)
- Taccone A., 2007 City political in the Mediterranean: Urban to Reggio Calabria, 1st Euro-Mediterranean Regional Conference, Barcelona, 12-15 July 2007, Congress Acts, 252 - 254
- The Directorate of Culture and Cultural and Natural Heritage, 2011, convention of the conservation of European wildlife and natural habitats,national report on the activities on invasive alien species in Italy referred to the period 2008-2010
- The Italian Ministry of Environment, Directorate for Nature Protection, 2005, Country Profile - Italy, Status and Trends of Biodiversity, Convention on Biological Diversity
- Tosics I., Szemzo H., Illes D., Gertheis A., Lalenis K., Kalergis D., 2010, national spatial planning policies and governance typology, sixth framework programme
- Unep, Cbd, Sbsta/14/11, 2010, agricultural biodiversity: follow up to requests of the conference of the parties in decision IX/1, Convention on Biological Diversity
- Viaggi D., Raggi M., Sardonini L., Ronchi D., 2010, implementation of the Water Framework Directive in Italy, state of the art and selected research issues, University of Bologna
- Wallace D., Serres C., Tsakiropoulou E., Hatzopoulou -Tsalavouta B., 2005, Study design systems and levels in European countries, Technical Chamber of Greece

- Weyenberg S.V., Thysen I., Madsen C., Vangeyte J., 2010, ict-agri country report, reports on the organisation of research programmes and research institutes in 15 European countries, ict-agri
- Zanon B., 2011, Infrastructure Network Development, Re-territorialization Processes and Multilevel Territorial Governance: A Case Study in Northern Italy, *Planning Practice and Research*, 26:3, 325-347
- Zimmermann P., Tasser E., Leitinger G., Tappeiner U., 2010, Effects of land-use and land-cover pattern on landscape-scale biodiversity in the European Alps, *Agriculture, Ecosystems & Environment*, Volume 139, Issues 1-2, 15 October 2010, Pages 13-22
- Zoppi C. & Lai S., 2010, Assessment of the Regional Landscape Plan of Sardinia (Italy): A participatory-action research case study type, *Land Use Policy*, Volume 27, pp. 690–705
- Zoppi C., Lai S., 2009, Assessment of the Regional Landscape Plan of Sardinia (Italy): A participatory-action-research case study type, *Land Use Policy*, Volume 27, Issue 3, July 2010, Pages 690-705
- Zoppi C., Lai S., Dipartimento di Ingegneria del Territorio, University of Cagliari, 2009, Assessment of the Regional Landscape Plan of Sardinia (Italy): A participatory-action-research case study type *Land Use Policy*-Volume 27, Issue 3, July 2010, Pages 690-705
- Zucca C., Canu A., Della Peruta A., 2006, Effects of land use and landscape on spatial distribution and morphological features of gullies in an agro pastoral area in Sardinia (Italy), *Catena* 68, pp. 87–95

Malta

- Aarhus Convention, 2008, National Implementation Reports Malta
http://apps.unece.org/ehlm/pp/NIR/listnr.asp?YearID=2008&wf_Countries=MT&Quer_ID=NIR8&LngIDg=EN
- Adi Associates Environmental Consultants Ltd, 2009, Strategic Environmental Assessment (SEA) of the Solid Waste Management Strategy for the Maltese Islands. Environmental Report. San Gwann, April 2009; xi + 125pp + 3 Appendices. Ministry for Resources and Rural Affairs, European Commission
http://ec.europa.eu/environment/life/countries/documents/malta_en_03-2010.pdf
- Adi Associates Environmental consultants Ltd, 2010, Strategic environmental assessment on an energy policy for mlata, report 1 scoping report, Malta Resources Authority
http://www.mra.org.mt/Downloads/Consultations/Scoping%20Report%20Energy%20Policy_%20Public%20Consultation.pdf
- Adi Associates Environmental, 2006, Environmental Impact Statement-Policy and Legislation-Report for: Malta Tourism Authority, <http://www.majjistral.org/documents/TA%209%20Policy%20Baseline.pdf>
- Ais environmental ltd., 2010, Review of the Legal Status of Ground Water, Water Consumption and Water Management in the Maltese Islands, http://www.sharp-water.eu/upload/file/Review_of_Policies_Legal_Status_Water_Resource_Consumption_Management_in_Malta.pdf
- Attard M, 2005, Land transport policy in a small island State—the case of Malta, *Transport Policy* Volume 12, Issue 1, Pages 23-33, Published by Elsevier Ltd.
http://www.sciencedirect.com/science?_ob=MIimg&_imagekey=B6VGG-4DN1P9J-1-1&_cdi=6038&_user=632480&_pii=S0967070X04000381&_origin=search&_coverDate=01%2F01%2F2005&_sk=999879998&view=c&wchp=dGLzVtz-zSkWb&md5=5722fea30c8ef75dc38523bb15ae4d1b&ie=/sdarticle.pdf
- Attard M, Hall D, 2002, Public transport modernisation and adjustment to EU accession requirements: the case of Malta's buses *Journal of Transport Geography*, Volume 11, Issue 1, March 2003, Pages 13-24, Published by Elsevier Ltd. <http://www.sciencedirect.com/science/article/pii/S0966692302000455#sec9>
- Attard M, Hall D, 2002, Public transport modernisation and adjustment to EU accession requirements: the case of Malta's buses, *Journal of Transport Geography*-Volume 11, Issue 1, March 2003, Pages 13-24, Published by Elsevier Ltd. <http://www.sciencedirect.com/science/article/pii/S0966692302000455#sec9>

- Attard, G. & Meli, A (2008) Food, Rural, Agricultural and Fisheries Policies in Malta, Options Méditerranéennes, Sér. B / n°61, Les Agricultures Méditerranéennes, Malta: Institute of Agriculture University of Malta
<http://ressources.ciheam.org/om/pdf/b61/00800141.pdf>
- Attard, M. (2005) Land transport policy in a small island State—the case of Malta, Transport Policy, Volume 12, pp. 23–33, Elsevier Ltd. <http://www.sciencedirect.com/science/article/pii/S0967070X04000381>
- Borg S, L.L.D.M. Legal Consultant, 2004, Review and critical assessment of the legal framework for ground water in Malta, Malta Resources Authority
http://www.mra.org.mt/Downloads/Publications/FAO_Documents/Ownership%20or%20other%20Legal%20Status%20of%20Groundwater.pdf
- Chapman, D., Cassar, G. (2004) City profile Valletta, Cities, 21:5, 451-463
http://www.sciencedirect.com/science?_ob=MiamiImageURL&_cid=271784&_user=632480&_pii=S0264275104000794&_check=y&_origin=search&_coverDate=31-Oct-2004&view=c&wchp=dGLbVlk-zSkWb&md5=6857e30dbe9d3a99c244840b4077d1f3/1-s2.0-S0264275104000794-main.pdf
- Charlton, W.A. & Beeley, B.W. (1987) Land use change in Malta, Land Use Policy, Volume 4, Issue 2, pp. 96-101, Elsevier B.V. <http://www.sciencedirect.com/science/article/pii/0264837787900433>
- Conrad E, Christie M,1, Fazey I, 2011, Understanding public perceptions of landscape: A case study from Gozo, Malta Applied Geography 31, 159e170-Applied Geography, Published by Elsevier Ltd. http://www.sciencedirect.com/science?_ob=MImage&_imagekey=B6V7K-4YXMP1G-1-1&_cdi=5845&_user=632480&_pii=S0143622810000354&_origin=search&_zone=rslt_list_item&_coverDate=01%2F31%2F2011&_sk=999689998&wchp=dGLzVtb-zSkzk&md5=072b4272404ef5e9c959a2cd6fc0510a&ie=/sdarticle.pdf
- Conrad, E., Christie, M., Fazey, I. (2011) Understanding public perceptions of landscape: A case study from Gozo, Malta, Applied Geography 31, 159-170
http://www.sciencedirect.com/science?_ob=MiamiImageURL&_cid=271856&_user=632480&_pii=S0143622810000354&_check=y&_origin=search&_coverDate=31-Jan-2011&view=c&wchp=dGLzVIV-zSkzS&md5=0bf7f523df4944820529bf9b76302dbf/1-s2.0-S0143622810000354-main.pdf
- Conrad, E., Christie, M., Fazey, I. (2011) Understanding public perceptions of landscape: A case study from Gozo, Malta, Applied Geography, Vol. 31, pp. 159-170, Published by Elsevier Ltd. <http://www.sciencedirect.com/science/article/pii/S0143622810000354>
- Consulationation document, 2009, Waste Management Plan for the Maltese Islands 2008-2012 <http://www.mrra.gov.mt/files/uploaded/files/Waste%20Management%20Plan%20for%20the%20Maltese%20Islands.pdf>
- Convention on Biological Diversity, 2010, Malta Status and Trends of Biodiversity-Overview
<http://www.cbd.int/countries/?country=mt>
- Country Report on Implementation Measures (Article 17, Habitats Directive), General report (Annex A), Legal Notice 311 of 2006, under the Environment Protection Act (CAP. 435) and the Development Planning Act (CAP. 356), entitled “Flora, Fauna and Natural Habitats Protection Regulations, 2006” transposes the Habitats Directive., European Environment Agency (EEA)
http://cdr.eionet.europa.eu/Converters/convertDocument?file=mt/eu/art17/envrflrpw/general-report.xml&conv=rem_26
- COWI, Directorate General Environment, 2009, Ex-Post Evaluation of Projects and Activities -Financed under the LIFE Programme -Country-by-country analysis, European Commission
http://ec.europa.eu/environment/life/publications/lifepublications/evaluation/documents/eval_malta.pdf
- Deidun, A., Borg, S., Micallef, A. (2011) Making the case for Marine Spatial Planning in the Maltese Islands, Ocean Development and International Law, 42: 136 – 154
http://malta.academia.edu/ALANDEIDUN/Papers/441865/Making_the_Case_for_Marine_Spatial_Planning_in_the_Maltese_Islands
- Delia E.P, Chairman Aps Bank LTD, 2005, The Economic Relevance of Agriculture for Malta’s Economy, An Aps Bank Publication 2005 <http://www.apsbank.com.mt/filebank/documents/OccPaper5.pdf>

- Delia, E.P. (2005) The Economic Relevance of Agriculture for Malta's Economy, Occasional paper 5, An APS Bank Publication <http://www.apsbank.com.mt/filebank/documents/OccPaper5.pdf>
- Directorate General Regional Policy, 2006, Strategy Evaluation on environment and risk prevention under structural and cohesion funds for the period 2007-2013, Institute for European Environmental Policy, IEEP with support from Ernst and Young Malta http://www.ieep.eu/assets/609/980_MAlta_report.pdf
- Ecorys Nederland BV, 2006, Country Report Malta, Study on Strategic Evaluation on Transport Investment Priorities under Structural and Cohesion funds for the Programming Period 2007-2013, European Commission DG-REGIO, http://ec.europa.eu/regional_policy/sources/docgener/evaluation/pdf/evaslrat_tran/malta.pdf
- European Environment Agency (2010) Land use - National Responses (Malta), European Environment Agency <http://www.eea.europa.eu/soer/countries/mt/land-use-national-responses-malta>
- European Environment Agency (2010), Land use - State and impacts (Malta), European Environment Agency <http://www.eea.europa.eu/soer/countries/mt/land-use-state-and-impacts-malta>
- European topic centre on biological - Under contract with the European Environment Agency, 2008, 2nd QA/QC report on Article 17 for Malta, Eionet Central data repository <http://cdr.eionet.europa.eu/mt/eu/art17/envrflrpw/feedback1216910141>
- European Union, 2011, Natura 2000-Covering Note-Malta-Oct 11-Annex 5-Main Legislation.doc, Eionet Central Data Repository http://cdr.eionet.europa.eu/mt/eu/n2000/envtqvmhg/Natura2000-CoveringNote-Malta-Oct11-Annex5-MainLegislation.doc/manage_document
- Ganado & Associates, 2011, The International Comparative Legal Guide to Environment & Climate Change Law 2011: A practical cross-border insight into environment and climate change law, ICLG TO: ENVIRONMENT & CLIMATE CHANGE LAW 2011, Published by Global Legal Group, in association with Freshfields Bruckhaus Deringer LLP <http://www.iclg.co.uk/khadmin/Publications/pdf/4407.pdf>
- GHK, 2006, National Evaluation Report for Malta, Strategic evaluation on environment and risk prevention under structural and cohesion funds for the period 2007-2013 Institute for European Environmental Policy, IEEP http://www.ieep.eu/assets/609/980_MAlta_report.pdf
- GHK, 2006, National Evaluation Report for Malta, Strategic evaluation on environment and risk prevention under structural and cohesion funds for the period 2007-2013, Institute for European Environmental Policy, IEEP - With support from Ernst & Young Malta http://www.ieep.eu/assets/609/980_MAlta_report.pdf
- Government of Malta, 2002, national report, http://www.um.edu.mt/_data/assets/pdf_file/0006/63699/Malta_WSSD.pdf
- Government of Malta, 2002, Malta National Report to the World Summit on Sustainable Development, University of Malta http://www.um.edu.mt/_data/assets/pdf_file/0006/63699/Malta_WSSD.pdf
- Kettunen, M., Baldock D., Gantioler, S., Carter, O., Torkler, P., Arroyo Schnell, A., Baumueller, A., Gerritsen, E., Rayment, M., Daly, E. & Pieterse, M., 2011, Assessment of the Natura 2000 co-financing arrangements of the EU financing instrument. A project for the European Commission – final report. Institute for European Environmental Policy (IEEP), Brussels, Belgium. 138 pp + Annexes. http://www.ieep.eu/assets/791/Assessment_of_Natura_2000_Co-financing.pdf
- Konecny K, Pennington D.W, 2007, Life cycle thinking in waste management: Summary of European Commission's Malta 2005 workshop and pilot studies, Waste Management Volume 27, Issue 8, 2007, Pages S92-S97 - Life Cycle Assessment in Waste Management - Discussion, Published by Elsevier Ltd. <http://www.sciencedirect.com/science/article/pii/S0956053X07000700>
- Kotzebue J, Bressers H, Yousif C, 2010, Spatial misfits in a multi-level renewable energy policy implementation process on the Small Island State of Malta, Energy Policy Volume 38, Issue 10, Pages 5967-5976, Published by Elsevier Ltd. http://www.sciencedirect.com/science?_ob=MIimg&_imagekey=B6V2W-50GTRFY-1-5&_cdi=5713&_user=632480&_pii=S0301421510004234&_origin=search&_coverDate=10%2F31%2F2010&_sk=999619989&view=c&wchp=dGLzVtz-zSkWA&md5=b929c8dd9cd2d8f96be08ef9614f3ceb&ie=/sdarticle.pdf
- Malta Environment & Planning Authority (2010) The Environmental Report: Driving Forces for Environmental Change (Sub-Report 1), <http://www.mepa.org.mt/ter08-drivingforces>

Malta Environment and Planning Authority (MEPA) , Policy responses <http://www.mepa.org.mt/ter08-policyresponses>

Malta Environment and Planning Authority,2010, Fourth National Report to the CBD – MALTA, Republic of Malta<http://www.cbd.int/doc/world/mt/mt-nr-04-en.pdf>

Malta Resources Authority,2007, Annual Report 2005 - 2006, Mountain Rescue Association <http://www.mra.org.mt/Downloads/Publications/Annual%20Report%202005%20-%202006.pdf>

Malta Resources Authority,2007, Annual Report 2006 - 2007, Mountain Rescue Association <http://www.mra.org.mt/Downloads/Publications/Annual%20Report%202006-2007.pdf>

Mannion A.M and Vogiatzakis I.N,2007,Island Landscape Dynamics: Examples from the Mediterranean,University of Reading http://www.reading.ac.uk/web/FILES/geog/GP183_Island_Landscapes_AMMINV_1Aa.pdf

MEPA, 2006,Malta water resources review,Food and Agriculture Organization of the United Nations <ftp://ftp.fao.org/docrep/fao/009/a0994e/a0994e.pdf>

Ministry for Resources and Rural Affairs (2009) Rural Development Programme for Malta 2007 - 2013, Rural Development Department, <http://www.agric.gov.mt/file.aspx?f=678>

Ministry for Resources and Rural Affairs,2009, Report- A solid waste management strategy for the maltese islands- First update-consultation document.

Ministry for Resources and Rural Affairs,2009, Strategic Environmental Assessment on first revised edition of the solid waste management strategy for the maltese islands

Ministry for Resources and Rural Affairs,2010,Nitrates Action Programme MALTA http://www.google.gr/url?sa=t&rct=j&q=the%20transfer%20of%20the%20the%20habitats%20directive%20in%20malta&source=web&cd=44&ved=0CFUQFjADOCg&url=http%3A%2F%2Fwww.agric.gov.mt%2Ffile.aspx%3Ff%3D777&ei=o2u1T5P4FoT74QSL9eS7Dg&usg=AFQjCNHPTec85avTC__7ZprtomNdtLK3Aw

Ministry for Resources and Rural Affairs,2011,Nitrates Action Programme MALTA http://www.google.gr/url?sa=t&rct=j&q=the%20transfer%20of%20the%20the%20habitats%20directive%20in%20malta&source=web&cd=33&ved=0CE0QFjACOB4&url=http%3A%2F%2Fwww.mrra.gov.mt%2Floadfile.ashx%3Fid%3Db22afbc5-3685-4a5f-828e-893e1309ab37&ei=SWu1T_vpCKXg4QSLuNctDg&usg=AFQjCNGVWS_R0aN1iyHCq43G49DtBVIYdg

Mizzi L,1991,CIHEAM - Options Mediterraneennes-A Static Partial Equilibrium Analysis of Malta's Entry in the EC: The Case of Agriculture,University of reading <http://ressources.ciheam.org/om/pdf/b07/93400016.pdf>

Natura 2000 -in the New EU Member States,2004, EU Enlargement http://www.google.gr/url?sa=t&rct=j&q=the%20transfer%20of%20the%20the%20habitats%20directive%20in%20malta&source=web&cd=57&ved=0CF8QFjAGODI&url=http%3A%2F%2Fassets.panda.org%2Fdownloads%2Fn2000reportweb_he2p.pdf&ei=9Gu1T6m4GYTO4QSnLjGDg&usg=AFQjCNExJtasBVTGmodVvd620WbRy2FtIQ

Papadopoulou E, Papalexiou C, Hasanagas N,National report on RD policy design,Malta,Funded by the 7th Framework Programme for Research and Technology Development of the European Commission,Rural development impacts http://www.rudi-europe.net/uploads/media/Malta_WP2_Report_01.pdf

Papadopoulou E, Papalexiou C, Ventouri I,2008,Assessing the impact of rural development policies (incl. LEADER),Department of Agricultural Economics, Aristotle University of Thessaloniki, Greece http://www.rudi-europe.net/uploads/media/Malta_WP1_Report.pdf

Rural Development Department,2009, Rural Development Programme for Malta 2007 – 2013,Ministry for Resources and Rural Affairs <http://www.martinfarrugia.eu/oprd.pdf>

Rural Development Department,Rural development strategy for Malta, programming Period 2007-2013, Ministry for rural affairs and the environment <http://search.conduit.com/Results.aspx?q=agro-environmental%20measures%20in%20malta&start=10&hl=el&SearchSource=10&SelfSearch=1&SearchType=SearchWeb&ctid=CT2269050&octid=CT2269050&FollowOn=True>

Sammut A, Cassar G, 2007, Mediterranean and national strategies for sustainable development -Priority Field Action 2: Energy & Climate Change, Energy Efficiency and Renewable Energy, Malta Resources Authority
http://www.planbleu.org/publications/atelier_energie/MT_National_Study_Final.pdf

Smith, A. (2010): The role of national identity and tourism in city planning: the case of Valletta, Urban Research & Practice, 3:1, 63-84 <http://www.tandfonline.com/doi/pdf/10.1080/17535060903534206>

Strategic environmental assessment regulations, 2010, Law-strategic environmental assessment regulations, justice services <http://www.justiceservices.gov.mt/DownloadDocument.aspx?app=lom&itemid=11579&l=1>

Strategic partnership for the mediterranean sea large marine ecosystem, National Action Plan for the Protection of the Marine Environment From Land-based Activities Malta, 2005
<http://www.themedpartnership.org/med/documents/library/background-documents/naps/en/attachments%7Cattachments%3A012%7Cfile>

The European environment , state and outlook 2010, Country assessments, Malta -Land use (Malta)-Published: Nov 30, 2010 Modified: Nov 30, 2010 ,European Environment Agency
http://www.eea.europa.eu/soer/countries/mt/soertopic_view?topic=land

The European environment ,state and outlook 2010,Country assessments,Malta country profile,European Environment Agency <http://www.eea.europa.eu/soer/countries/mt>

The European environment, state and outlook 2010, Country assessments, Malta Land use - National Responses (Malta) -Topics:Land use - SOER Common environmental theme from Malta, Nov 30, 2010 Modified: Apr 08, 2011,European Environment Agency <http://www.eea.europa.eu/soer/countries/mt/land-use-national-responses-malta>

The European environment,state and outlook 2010,Country assessments, Malta-Personal tools Malta,Climate change mitigation (Malta),European Environment Agency European Environment Agency
[http://www.eea.europa.eu/soer/countries/mt/soertopic_view?topic=climate change](http://www.eea.europa.eu/soer/countries/mt/soertopic_view?topic=climate%20change)

The Gaia Foundation, 2006, Final Draft -Integrated management of specially protected coastal areas in Malta
<http://www.projectgaia.org/documents/download/Activity%20Report%20June%202006%20-%20GT%20-%20annex%204.pdf>

The Malta Environment and Planning Authority (MEPA) 2012, Natura 2000 statistics for Malta
<http://www.mepa.org.mt/impnatareas-pas-int-n2k-mt>

The Malta Environment and Planning Authority (MEPA), 2008, Natura 2000 in Malta
<http://www.mepa.org.mt/impnatareas-pas-int-n2k-mt>

The Malta Environment and Planning Authority (MEPA), 2011, Malta, report on the implementation of the recommendation of the European parliament and of the council concerning the implementation of integrated coastal zone management in Europe (2002/413/EC) <http://www.mepa.org.mt/iczm>

The Malta Environment and Planning Authority (MEPA) 2012 ,Protected Areas - National,
<http://www.mepa.org.mt/impnatareas-pas-int-n2k-mt>

The Malta Environment and Planning Authority, 2012, Aarhus convention implementation report certification sheet
http://www.unece.org/fileadmin/DAM/env/pp/reporting/NIRs%202011/Malta_2011_NIR_26-03-2012.pdf

The Republic of Malta, Ministry for Resources and Rural Affairs, 2009, National Rural Development Strategy for the Programming Period 2007-2013, Rural Development Department, <https://secure2.gov.mt/MRRA-MA/file.aspx?f=44>

United Nations Environment Programme, Mediterranean Action Plan, Regional Activity Centre for Specially Protected Areas (RAC/SPA), 2003, Regional project for the development of marine and coastal protected areas in the mediterranean, region (MEDMPA), Activity mp2: Elaboration of a management plan for the marine area of rdum Majjiesa and Ras ir-Rahed in Malta, European Commission <http://medmpa.rac-spa.org/pdf/Rapports/Malte/Malta%20Management%20Plan%20.pdf>

Vella L, Tanti C.M, Rolé A, 2005, Coastal area management in Malta, Priority Actions Programme Regional Activity Centre (PAP/RAC) of the Mediterranean Action Plan http://www.pap-thecoastcentre.org/pap_malta.pdf

Xuereb, M. (2001) Public transport in Malta - an analysis of demand for the scheduled bus service, Bank of Valletta Review, No. 23 <https://www.bov.com/filebank/documents/BR23%20Public%20Transport%20in%20Malta.pdf>

Netherlands

- Agricola HJ, Hoefs RMA, Doorn AMv, Smidt RA, Os Jv (2010) Landschappelijke effecten van ontwikkelingen in de landbouw. Wettelijke Onderzoekstaken Natuur & Milieu, Wageningen, pp. 118
- Anonymous (2007) LEADER ontwikkelingsplan 2007-2013 voor Salland. [s.n.], [S.I.]
- Antrop M, Van Damme S (1995M) Landschapszorg in Vlaanderen: onderzoek naar criteria en wenselijkheden voor een ruimtelijk beleid met betrekking tot cultuurhistorische en esthetische waarden van de landschappen in Vlaanderen. Administratie van Ruimtelijke Ordening, Huisvesting, Monumenten en Landschappen, Brussel,
- Bastmeijer C, Verschuuren J (2003) Knelpunten bij de uitvoering van de natuurbeschermingswetgeving in Nederland: Onderzoek in het kader van het IBO Vogel- en Habitatrichtlijnen. Eindrapport: in opdracht van het Ministerie van Financiën edn. Centre for Questions of Law, University of Tilburg, Tilburg,
- Beunen R, Ark RGHv (2007) De politieke dimensie van Natura 2000. Landschap 24(1):13 - 20
- Boer Sd, Bogaardt MJ, Kersten PH, Kistenkas FH, Neven MGG, Zouwen MWvd (2010) Zoektocht naar nationale beleidsruimte in de EU-richtlijnen voor het milieu- en natuurbeleid: een vergelijking van de implementatie van de Vogel- en Habitatrichtlijn, de Kaderrichtlijn Water en de Nitraatrichtlijn in Nederland, Engeland en Noordrijn-Westfalen. Wettelijke Onderzoekstaken Natuur & Milieu, Wageningen, pp. 194
- De Visser J (2009) De invloed van Natuurperspectieven op het beleid. Een evaluatie van de invloed van natuurperspectieven op het Nederlandse natuurbeleid in de periode vanaf 1975 tot nu. . MSc, VU
- Feld CK, Locker-Grütjen O (2007) River restoration in the IJssel catchment. In: Verwijmeren; J. and Wiering M. (eds), Cross border co-operation in river management pp. 188
- Haan Ad, Verboven H (2010) Historische Scheldepolders overstroomd weer: het verhaal van een grote landschapsverandering Historisch geografisch tijdschrift 28(1):12-24
- Haberl, H., Gaube, V., Díaz-Delgado, R., Krauze, K., Neuner, A., Peterseil, J., Plutzer, C., Singh, S.J., Vadineanu, A., (2009). Towards an integrated model of socioeconomic biodiversity drivers, pressures and impacts. A feasibility study based on three European long-term socio-ecological research platforms. Ecological Economics, 68, pp. 1797-1812.
- Hazeu GWK, J.A.; Lammerts, E.J.; Knol, W.C. (2002) Een eiland in beweging: Veranderingen in het Terschellinger landschap over anderhalve eeuw aan de hand van oude topografische kaarten en luchtfoto's. DLO Research Programme for LNV, Subtheme: Ecological Main Structure (BO-02) Report 501. Alterra, Wageningen
- Koomen AJM, Nieuwenhuizen W, Roos-Klein Lankhorst J, Brus DJ, Vereijken PFG (2006) Monitoring landschap: gebruik van steekproeven en landsdekkende bestanden. Wettelijke Onderzoekstaken Natuur & Milieu, Wageningen, pp. 86
- Kranendonk RP, Langers F, Pleijte M, Hoogeveen YR (1999) Noord-Drenthe ingekleurd; resultaten van monitoring WCL Noord-Drenthe 1997-1999. Wageningen, Alterra, 1999, 35 blz,
- Meeus, j.h.a., Wijermans, m.p. and Vroom, m.j. (1990). agricultural landscapes in europe and their transformation, landscape and urban planning, volume 18, pp. 289-352
- Molen DTvd, Looy Kv, Schneiders A (2006) Wat betekent de Kaderrichtlijn Water voor het landschap? Landschap 23(2):62-66
- Nadin V, Wandl A, van Nes A, van Klooster K (2010) Single Case study report Kop van Noord Holland. . Dep. of Urbanism, Section Spatial Planning and Strategy, Faculty of Architecture, TU Delft,
- Neven K (2008) Hoe kan multifunctionele landbouw bijdragen aan landschapskwaliteit? een literatuurstudie en een case-study in Het Groene Woud. Wageningen University
- Nieuwenhuizen W, Roos-Klein Lankhorst J (2007) Landschap in de Natuurbalans 2006: landschap in verandering tussen 1990 en 2005. achtergronddocument bij Natuurbalans 2006. , 68 Wettelijke Onderzoekstaken Natuur & Milieu
- Padt F, Leroy P (2005) The policy history of the Drentsche Aa. Landschap 3:157-160

- Pleijte M, Kranendonk RP, Langers F, Hoogeveen Y (2000) WCL's ingekleurd; monitoring en evaluatie van het beleid voor waardevolle cultuurlandschappen. Wageningen, Alterra, 2000, 80 blz,
- Renes J (2006) Landschap in de EHS; EHS in het landschap. *Landschap* 3:108-120
- Terluin IJ, Gaaff A, Polman NBP, Post JH, Rijk PJ, Schouten MAH (2008) Bergboeren in Nederland: tegen wil en dank? LEI, Den Haag, pp. 117
- Terluin IJ, Venema GS (2003) Towards regional differentiation of rural development policy in the EU. LEI, Den Haag, pp. 234
- Van der Zouwen M, Van Tatenhove JPM (2002) Implementatie van Europees natuurbeleid in Nederland. Planbureau studies. Natuurplanbureau, Wageningen,
- Van Looy K., de Blust G., Schneiders A. (2006) De Kaderrichtlijn in Vlaanderen. *Landschap* 23(2):66
- Veeneklaas FR, Regt WJd, Agricola HJ (2004) Verrommelt het platteland onder stedelijke druk : storende elementen en landschapsdynamiek in de studiegebieden Abcoude en Epe-Vaassen. Natuurplanbureau, Wageningen, pp. 102
- Verburg P, van Berkel D (2010) Single Case study report Winterswijk. Institute of Env. Studies, Free University of Amsterdam, Amsterdam,
- Verburg RW, Sanders ME, Dirkx GHP, Knecht Bd, Kuhlman T (2009) Natuur, landschap en het landelijk gebied : achtergronddocument bij Natuurbalans 2009. Wettelijke Onderzoekstaken Natuur & Milieu, Wageningen, pp. 59
- Vereijken JFHM, van Gelder T, Baars T (1997) Nature and landscape development on organic farms. *Agriculture, Ecosystems & Environment* 63(2-3):201-220
- Vries JD, Beunen IR (2009) Planning van Natura 2000-gebieden. Vergelijkend onderzoek Nederland-Engeland. (Planning of Natura 2000 areas: The Netherlands-England competitive research). *Landschap* 26(1):35-43
- Wiertz J, Dirkx GHP, Melman TCP et al (2007) Ecologische evaluatie regelingen voor natuurbeheer : programma beheer en Staatsbosbeheer 2000-2006. Milieu en Natuur Planbureau (Bilthoven), Wageningen Universiteit & Researchcentrum (Wageningen, Bilthoven, pp. 328
- Wijffels SLM (1987) Landbouw en landschapsverandering in Ede - Veldhuizen: de veranderingen van het landschap in een zandstreek, gezien tegen de achtergronden van de ontwikkelingen in de landbouw.

Romania

- Amblard, L., Colin, JP., (2008). Reverse tenancy in Romania: Actors' rationales and equity outcomes, *Land Use Policy*, vol 26, issue 3, 828-836.
- Baur, B., Cremene, C., Groza, G., Rakosy, L., Schileyko, A.A., (2006). Effects of abandonment of subalpine hay meadows on plant and invertebrate diversity in Transylvania, Romania Anette Baur, Peter Stoll, Andreas Erhardt, *Biological Conservation* 132, 261-273.
- Brinkmann, K, and Reif, A., (2006). Vegetation, land use and landscape in the Apuseni Mountains, Romania, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Agriculture*, Vol 62, 1-13.
- Dutca, I., Abrudan, I.V., (2010). Estimation of Forest Land-Cover Change in Romania, between 1990 and 2006, *Bulletin of the Transilvania University of Brasov* Vol. 3 (52).
- Fraser, E.D.G., Stringer, L.C., (2008). Explaining agricultural collapse: Macro-forces, micro-crises and the emergence of land use vulnerability in southern Romania, *Global Environmental Change*, no 19, 45-53.
- Giurca, D, (2008). Semi-subsistence farming – prospects for the small Romanian farmer to choose between a “way of living” or efficiency. *Agricultural Economics and Rural Development, New Series*, Year V, nos. 3-4, p. 215-230.
- Hartel, T., Schweiger, O., Öllerer, K., Cogalniceanu, D., Arntzen, J.W., (2010). Amphibian distribution in a traditionally managed rural landscape of Eastern Europe: Probing the effect of landscape composition, *Biological Conservation*, Volume 143, Issue 5, May 2010, Pages 1118-1124.
- Iagaru, R., Iagaru, P., Calina, J, Calina, A., (2010). Strategic Analysis of The Rural Area Development in the Central Region of Romania, *Bulletin UASVM Agriculture*, 67(2).

- Kuemmerle T., Muller D., Griffiths P., Rusu M., (2009). Land use change in Southern Romania after the collapse of socialism, *Regional Environmental Change*, 9:1–12
- Lakes T., Muller D., Kruger C., (2009). Cropland change in southern Romania: a comparison of logistic regressions and artificial neural networks, *Landscape ecology*, vol 24, no 9, 1195-1206.
- Licurici, M., (2010). Assessment of the human impact on the landscape of the danube floodplain, in Drobeta-Turnu Severin – Bechet sector, *Analele Universitatii din Craiova (Annales of the University of Craiova)*, Biology, Horticulture, Food produce processing technology, Environmental engineering, Vol. XV(XLXI).
- Luca, L., (2010). A retrospect of land market liberalization in Romania, *Agricultural Economics and Rural Development*, New Series, Year VII, no. 2, p. 293–304.
- Manea, S., Surdeanu, V., (2010), Land use change dynamics in the upper and middle river basin of the Strei valley, *Analele Universității „Ștefan cel Mare” Suceava Secțiunea Geografie Anul XIX*.
- Mihai B., Savulescu I., Sandric I., (2007). Change Detection Analysis (1986–2002) of Vegetation Cover in Romania A Study of Alpine, Subalpine, and Forest Landscapes in the Iezer Mountains, Southern Carpathians, *Mountain Research and Development*, vol 27, no 3, 250-258.
- Muller, D., Kuemmerle, T., (2009). Causes of Cropland Abandonment During the Post-socialist Transition in Southern Romania, In: *Regional Aspects of Climate-Terrestrial-Hydrologic Interactions in Non-boreal Eastern Europe NATO Science for Peace and Security Series C: Environmental Security*, 2009, 4, 221-230.
- Müller, D., Lakes, T., (2008). Integrated modeling of cropland change in Romania: From retrospective causal analysis to future developments. *International Congress on Environmental Modelling and Software: Barcelona*, July 7-10.
- Neculiță, M., Sarpe, D., Mazilescu, V., (2009). Romanian Agriculture and the European Financial Assistance Implications, *Bulletin UASVM Agriculture*, 66 (1).
- Oțiman, P.I., (2008), Sustainable Development Strategy of Agriculture and Rural Areas in Romania on Medium and Long Term, *Agricultural Economics and Rural Development*, Year V, no.1-2, 4-18.
- Pătroescu, M., Niculae, M.I., (2010). The rurality between the Ramnicul Sarat and the Buzau valleys – definitive component of the subcarpathian landscapes dynamics, *Forum geografic. Studii și cercetări de geografie și protecția mediului*, No. 9, 107-114.
- Persu, M., Nancu, D., (2009). Types of rural landscapes in the Oltenian subcarpathian depressions, *Forum Geografic. Studii și cercetări de geografie și protecția mediului*, No. 8, 124- 130.
- Popescu, M., (2010). Physical size of agricultural holdings in Romania. Gaps between Romania and the European Union member states, *Institute of Agricultural Economics, Romanian Academy, Bucharest* Volume (Year): 7 Issue (Month): 1 , 17-36.
- Postolache, C., (2009), Deliverable No. 229, Report on the analysis results of the relations between land use and hydromorphology for river sectors of the Neajlov River, Euro-limpacs project GOCE-CT-2003-505540.
- Proorocu, M., Beldean, P., Pauliuc, E.S., (2009). The Land Use within Nature 2000 Cusma Site, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Agriculture*, Vol 66, No 2.
- Rusu, M., (2008). Common Agricultural Policy Reform. Perceptions and opinions - a case study, *Agricultural Economics and Rural Development*, New Series, Year V, nos. 3–4, p. 197–214.
- Sandulescu, E., Wagner, J.E., Pailler, S., Floyd, D.W., Davis, C.J., (2007). Policy analysis of a government-sanctioned management plan for a community-owned forest in Romania, *Forest Policy and Economics*, vol 10, issues 1-2, 14-24.
- Stringer, L.C., Scriciu, S.S., Reed, M.S., (2009). Biodiversity, land degradation, and climate change: Participatory planning in Romania, *Applied Geography*, Vol 29, issue1, 77-90.
- Szabo, E. A., Lawrence, A., Iusan, C., Canney S., (2008). Participatory protected area management - A case study from Rodna Mountains National Park, Romania, *International Journal of Biodiversity Science and Management* 4, 187-199.

- Vadineanu, A. , (2009). Deterioration and Rehabilitation of the Lower Danube Wetlands System, in *The Wetlands Handbook* (eds E. Maltby and T. Barker), Wiley-Blackwell, Oxford, UK.
- Vadineanu, A., (2001). Lower Danube Wetlands System (LDWS), *Observatorio Medioambiental*, número 4, 373-402, 1132-1660.
- Vadineanu, A., Adamescu, M., Vadineanu, R., Cristofor, S., Negrei, C., (2003). Past and Future Management of Lower Danube Wetlands System: A Bioeconomic Appraisal. *The Journal of Interdisciplinary Economics*, Vol. 14, pp. 415–447.
- Vadineanu, A., Postolache, C., Cosor, G., Palarie, T., Negrei, C., Bucur, M., (2007). Case study report - The Neajlov Catchment (Romania), Deliverable D25, Aquamoney project
- Vidican, G., (2008). Assessing land reallocation decisions during transition in Romania, *Land use Policy*, Volume 26, Issue 4, 1080-1089
- Zotic, V., Puiu, V., (2006). Implementation forms of the NATURE 2000 european ecological network in Romania. case study: Cluj county, *Geographical Phorum – Geographical studies and environment protection research*. No 5, 134-149.

Sweden

- Ahnström, J., Winqvist, C., Björklund, L. and Hallgren, L. (2010). To cut or not to cut – that is the question for Swedish pasture managers. *Aspects of Applied Biology* 100.
- Andersson, R., Kaspersson, E., Wissman, J. (2008). Swedish University of Agricultural Sciences, Dnr SLU ua 12-3269/07, Uppsala. "Slutvärdering av miljö- och landsbygdsprogrammet 2000 – 2006 –vad fick vi för pengarna?"
- Mola-Yudego, B. &Pelkonen, P. (2008). The effects of policy incentives in the adoption of willow short rotation coppice for bioenergy in Sweden. *Energy Policy* 36 pp. 3062– 3068
- Busck, A.G., Hidding, M., Kristensen, S.P., Persson, C., Præstholm, S. (2008). Managing rural landscapes in the Netherlands, Denmark and Sweden - Comparing planning systems and instruments in three different contexts. *Danish Journal of Geography* 108, 1-16.
- Busck, A.G., Kristensen, L., Primdahl, J., Tom-Petersen, P., & Vejre, H. (2001) Integration af natur og landskabshensyn i landbrugspolitikken – En analyse af erfaringer fra EU og de fire medlemslande England, Tyskland (Slesvig-Holsten), Holland og Sverige. Institut for Økonomi, Skov og Landskab KVL
- Carlsen, H. & Hasund, K.P. in: Henry Buller, Geoff A. Wilson and Adreas Höll (eds.)(2000) *Agri-environmental policy in the European Union. Sweden: agri-environmental policy and the production of landscape qualities*, Ashgate, Aldershot, pp. 51-70.
- Jordbruksverket (1998) Rapport 1999/28 "Miljöeffekter av EU:s jordbrukspolitik Rapport från projektet CAP:s miljöeffekter år 2000"
- Jordbruksverket (2000) Rapport 2000/20 "Miljö stödet och ängs- och hagmarksobjekt"
- Jordbruksverket (2000) Rapport 2000/21 "Miljöeffekter av EU:s jordbrukspolitik Rapport från projektet CAP:s miljöeffekter år 2000"
- Jordbruksverket (2002) Rapport 2002/2 "Miljöeffekter av EU:s jordbrukspolitik Rapport från projektet CAP:s miljöeffekter 2001"
- Jordbruksverket rapport (2008):7 "Kartläggning av mark som tagits ur produktion"
- Källander, I. (2000). Organic Agriculture in Sweden". In: Steffi Graf / Helga Willer (Eds.): *Organic Agriculture Results of the Internet Project* <http://www.organic-europe.net> , Co-funded by the EU-Commission, General Directorate Agriculture (GD Agri), SÖL-Sonderausgabe 75, Stiftung Ökologie & Landbau (SÖL), Bad Dürkheim, Germany.
- Mola-Yudego, B., González-Olabarria, J.R. (2010). Mapping the expansion and distribution of willow plantations for bioenergy in Sweden: Lessons to be learned about the spread of energy crops. *Biomass and bioenergy* 34, pp. 442–448.
- Naturvårdsverket, Jordbruksverket & Riksentikvarieämbetet (2005) *Odlingslandskap i förändring. En uppföljning av LiM:s referensområden. RAPPORT 5420.*

- Norell, B. (2008) Miljöeffekter av slopad uttagsplikt Rapport från projektet CAP:s miljöeffekter, Jordbruksverket Rapport (2008):13 .
- Pettersson, M. (2007):5 "Landskapselement med miljöersättning – en intervjustudie om regionala och lokala erfarenheter av landskapselementens skötsel i åkermark och betesmark"
- Primdahl, J., Tom-Petersen, P., Kristensen, L., Busck, A.G. & Vejre, H. (2002) in Tanvig, H. W. (ed.) (2002). *Rurality, Rural Policy and Politics in a Nordic-Scottish Perspective* Working paper 1 02, CFUL, Esbjerg "The Integration of Landscape and Agricultural Policies – Experiences from EU and the Four Member States England, Germany (Schleswig-Holstein), The Netherlands, and Sweden"
- Rosén, E., Bakker, J.P. (2005). Effects of agri-environment schemes on scrub clearance, livestock grazing and plant diversity in a low-intensity farming system on Öland, Sweden. *Basic Applied Ecology* (6) pp. 195—204.
- SLU Sveriges lantbruksuniversitet (2009) Redovisning av uppdrag om halvtidsutvärdering av Landsbygdsprogram för Sverige 2007-2013.
- SLU Sveriges lantbruksuniversitet (2010). Axel 2 – utvärdering av åtgärder för att förbättra miljön och landskapet.

Annex 1: Potentially relevant policies

topic	Name	Name	period	VOLAN TE Releva nce	
Strategies and Action Plans	General	Lisbon Treaty	http://europa.eu/lisbon_treaty/index_en.htm	2009	-
		EU2020 strategy	http://ec.europa.eu/europe2020/index_en.htm	2010-	
		EU SDS 2001 (Göteborg Strategy)	http://ec.europa.eu/sustainable/sds2001/index_en.htm	2001	-
	Sustainable Development	Renewed EU Sustainable Development Strategy COM (2005) 37	http://ec.europa.eu/environment/eussd/	2006-2010	-
		Thematic strategy on the sustainable use of natural resources COM 670 (2005)	http://ec.europa.eu/environment/natres/	2005-	-
		Sixth Environment Action Programme of the European Community 2002-2012	http://ec.europa.eu/environment/newprg/index.htm	2002-2012	-
	Environment	Earlier Environmental Action Programmes	http://ec.europa.eu/environment/archives/actionpr.htm		-
		Biodiversity Action Plan			
		Pan European Ecological Network PEEN		1995	+
		(National) Ecological Network NEN			
		First action programme for the implementation of the Territorial Agenda of the European Union	http://www.eu-territorial-agenda.eu/Pages/Default.aspx	2007	-
	Territorial development	European Spatial Development Perspective (ESDP)	http://ec.europa.eu/regional_policy/sources/docoffic/official/reports/som_en.htm	1999	-
		Territorial Agenda of the European Union (TAEU)	http://www.eu-territorial-agenda.eu/Reference%20Documents/Territorial-Agenda-of-the-European-Union-Agreed-on-25-May-2007.pdf	2007	-
		Coastal zone policy COM/00/547 COM/2007/308	http://ec.europa.eu/environment/iczm/home.htm	2000-	-
		Cohesion Policy	http://ec.europa.eu/regional_policy/index_en.htm	2007-2013	-
		Thematic Strategy on the Urban Environment COM/2005/0718	http://ec.europa.eu/environment/urban/thematic_strategy.htm	2006-	-
		Energy policy for a competitive Europe	http://ec.europa.eu/energy/strategies/2010/2020_en.htm	2010-2020	++
		Energy			

Regulations	Directives	Climate	White Paper Climate Adaptation Strategy	http://ec.europa.eu/clima/policies/brief/eu/index_en.htm	2009	-
			Green Paper: Towards a new culture for urban mobility		2007	-
			Transport Policy COM(2009) 279	http://ec.europa.eu/transport/strategies/2009_future_of_transport_en.htm	2009	-
		Transport	Water Framework Directive 2000/60	http://ec.europa.eu/environment/water/water-framework/index_en.htm		
			EU Floods Directive 2007/60/EC	http://ec.europa.eu/environment/nature/legislation/birdsdirective/index_en.htm	2000-	++
			Birds Directive 1979/409/EEC	http://ec.europa.eu/environment/nature/legislation/habitatsdirective/index_en.htm	1979-	++
		Envir	EU Landfill Directive 1999/31/EC	http://ec.europa.eu/environment/water/water-nitrates/index_en.html	1999-	-
			Nitrates Directive 1991/676/EEC	http://ec.europa.eu/environment/water/water-nitrates/index_en.html	1991-	-
			Leader I	http://ec.europa.eu/agriculture/rur/leader1/sum_en.pdf		
		Common Agricultural Policy (CAP)	Leader II	http://ec.europa.eu/agriculture/rur/leader2/rural-en/euro/p1-1.htm		
			Sapard Regulation 1268/1999	http://ec.europa.eu/enlargement/how-does-it-work/financial-assistance/sapard_en.htm	2000-2006	++
			Leader+	http://ec.europa.eu/agriculture/rur/leaderplus/index_en.htm	2000-2006	++
		Regional Development	Rural Development policy Regulation 1698/2005		2007-2013	++
			Various other regulations			
			The European Fund for Regional Development (EFRD) Regulation 1080/2006		2000-2006	++
			LFA Regulation 1698/2005 (Less Favoured Areas (LFA))	http://ec.europa.eu/agriculture/rurdev/lfa/index_en.htm		++
			-	-		
			McSharry Reform 1992		1992-	++
			Cohesion Fund Regulation 1664/94	http://ec.europa.eu/regional_policy/funds/proc/cf_en.htm	1994-	?