

MS.MONINA

Multi-scale Service for Monitoring NATURA 2000 Habitats of European Community Interest

MONITORING EUROPE'S MOST PRECIOUS ECOSYSTEMS

1992 in Rio, the world united for enhanced nature conservation, adopting the Convention on Biological Diversity (CBD). In Europe, the NATURA 2000 network of natural areas and eco-systems of community interest has become one of the world's most effective means to achieve these goals. MS.MONINA develops services to further enhance this positive record.

Protecting nature and biodiversity in the European Union follows a multi track approach, integrating local, national, and European policies and instruments. At European level, the Habitats and Birds Directives form the legal basis of the NATURA 2000 network, which provides a continent wide green infrastructure that safeguards numerous ecosystem services and ensures that Europe's natural systems remain healthy and resilient. Today, the NATURA 2000 network covers some 18 percent of the EU.

Every six years, EU member states have to report on the state of natural habitats within their NATURA 2000 sites. Therefore, services that enable objective, operational and economically priced information about the state of the environment within such sites is on demand.

The MS.MONINA project is designed to provide such services, not only at the benefit of national authorities, but

also aimed at local authorities that manage these sites, and EU authorities that oversee the overall development of the NATURA 2000 programme. Hence the project is designed to provide three different kinds of services; integrating data from satellites and in-situ measurements at the sites.

At the local level the project will support site monitoring with information products meeting the requirements of site managers. These products are derived from high resolution satellite images and reflect habitat status and changes.

At the national level, the project engages in complete reporting on sensitive sites and habitats, delivered to national authorities responsible for reporting on the implementation of the Habitats Directive.

At European level MS.MONINA supports region wide reporting on the implementation of the Convention on Biological diversity within the EU.



STEFAN LANG
IS PROJECT COORDINATOR

QUESTIONS & ANSWERS

What do you want to achieve with this project?

The project shall use EO technology to effectively monitor nature sites of community interest and thus fostering environmental legislation in Europe. Our tools will also observe precious habitats outside the existing network of protected areas to reduce the loss of biodiversity.

Why is this project important for Europe?

The integrated multi-level service concept helps ambitious instruments such as NATURA 2000 succeed on different levels of implementation. Europe's outstanding EO-based monitoring tools will encourage other countries for such environmental legislation in the spirit of the CBD.

How does your work benefit European citizens?

Citizens will realise that EO is a powerful tool for biodiversity monitoring. It is one of the critical societal benefit areas of this technology. In the longer term the conservation of precious ecosystems will ensure an integral part in supporting life for every single citizen.



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MS.MONINA supports European, national and local authorities in monitoring the state of European nature sites of 'community interest'.

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LIST OF PARTNERS

- Paris-Lodron-Universität Salzburg, Austria
- Universidad de Málaga, Spain
- Centre national du machinisme agricole, du genie rural, des eaux et des forets (CEMAGREF), France
- Vlaams Gewest (INBO), Belgium
- EFTAS Fernerkundung Technologietransfer GmbH, Germany
- Vlaamse Instelling voor Technologisch Onderzoek n.v., Belgium
- National Observatory of Athens, Greece
- Accademia Europea per la Ricerca Applicata ed il Perfezionamento Professionale Bolzano, Italy
- Rheinische Friedrich-Wilhelms-Universität Bonn, Germany
- Instytut geodezji i kartografii, Poland
- Technische Universität Berlin, Germany
- Eovision GmbH, Austria
- Specto Natura Limited, United Kingdom
- Mouseio goulandri fysikis istorias, Greece
- Lup-Luftbild Umwelt Planung GmbH, Germany
- Landesamt für Landwirtschaft, Umwelt und Ländliche Räume des Landes Schleswig-Holstein, Germany
- Conservatoire des espaces naturels du Languedoc Roussillon Association, France

COORDINATOR

**Paris-Lodron University Salzburg, Centre for
Geoinformatics, Austria**

CONTACT

Stefan LANG
Tel: +43 662 8044 5262
E-mail: Stefan.Lang@sbg.ac.at

PROJECT INFORMATION

Multi-scale Service for Monitoring NATURA 2000
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