Sustainability Impact Assessment: Tools for Environmental, Social and Economic Effects of Multifunctional Land Use in European Regions

Fact Sheet

Project information

SENSOR

Grant agreement ID: 3874

Project website

Funded under:
FP6-SUSTDEV

Overall budget:
€ 13 633 308

EU contribution
€ 10 207 435

Coordinated by:
LEIBNIZ-ZENTRUM FUER AGRARLANDSCHAFTS- UND LANDNUTZUNGSFORSCHUNG E.V.
Germany

Objective

Sustainability of land use in European regions is a central point of policy and management decisions at different levels of governance. Implementation of European policies designed to promote and protect multifunctional land use requires the urgent development of robust tools for the assessment of different scenarios’ impacts on the environmental and socio-economic sustainability. The technical objective of SENSOR is to build, validate and implement sustainability impact assessment tools (SIAT), including databases and spatial reference frameworks for the analysis of land and human resources in the context of agricultural, regional and environmental policies. The scientific challenge is to establish relationships between different environmental and socio-economic processes as characterised by indicators considered to be quantitative measures of sustainability. Scenario techniques will be used within an integrated modelling framework, reflecting various aspects of multifunctionality and their interactions. The focus will be on European sensitive regions, particularly those in accession countries, since accession poses significant questions for policy makers regarding the socio-economic and environmental effect of existing and proposed land use policies. SIAT will utilise the statistical and spatial data continuously collected by European and regional agencies. SENSOR will deliver novel solutions for integrated modelling, spatial and temporal scaling and aggregation of data, selection of indicators, database management, analysis and
prediction of trends, education and implementation. SIAT will be made available to decision makers at the European and regional level, providing user-friendly interfaces and scientifically sound procedures for the assessment of environmental and monetary responses of policy options. Cost-benefit and cost-effectiveness analysis of policy implementation will be an integral part of the SIAT's functions.

Programme(s)

FP6-SUSTDEV - Sustainable Development, Global Change and Ecosystems: thematic priority 6 under the Focusing and Integrating Community Research programme 2002-2006.

Call for proposal

FP6-2003-GLOBAL-2

See other projects for this call

Funding Scheme

IP - Integrated Project

Coordinator

LEIBNIZ-ZENTRUM FUER AGRARLANDSCHAFTS- UND LANDNUTZUNGSFORSCHUNG E.V.

Address
Eberswalder Str. 84
Muencheberg
Germany

Website

Participants (42)

ALTERRA B.V.

Netherlands

Address
Droevendaalsesteeg 3
Wageningen

Website
BRANDENBURGISCHE TECHNISCHE UNIVERSITAT
COTTBUS
Germany
Address
Konrad-Wachsmann-Allee 1
Cottbus
Website

ARC SYSTEMS RESEARCH GMBH
Austria
Address
Donau-City-Strasse 1
Wien
Website

UNIVERSITAET WIEN
Austria
Address
Dr. Karl Lueger-Ring 1
Wien
Website

UNIVERSITAET FUER BODENKULTUR WIEN
Austria
Address
Gregor Mendel Strasse 33
Wien
Website

EIDGENOESSISCHE FORSCHUNGSANSTALT WSL
Switzerland
Address
Zuercherstrasse 111
Birmensdorf
Website
HUMBOLDT UNIVERSITAET ZU BERLIN
Germany
Address
Unter Den Linden 6
Berlin
Website

TECHNISCHE UNIVERSITAET MUENCHEN
Germany
Address
Arcisstrasse 21
Muenchen
Website

DANMARKS MILJOEUNDERSOEGELSER.
Denmark
Address
Frederiksborgvej 399
Roskilde
Website

CENTER FOR SKOV, LANDSKAB OG PLANBRUNNINH, KVL
Denmark
Address
Horsholm Kongevej 11
Horsholm
Website

DANMARKS JORDBRUGSFORSKNING
Denmark
Address
Blicher AIlÉ 20
Tjele
Website
TARTU UELIKOOL
Estonia
Address
Uelikooli St. 18
Tartu
Website

EUROPEAN FOREST INSTITUTE
Finland
Address
Torikatu 34
Joensuu
Website

EUROPEAN FOREST INSTITUTE
Finland
Address
Torikatu 34
Joensuu
Website

CENTRE NATIONAL DU MACHINISME AGRICOLE, DU GENIE RURAL, DES EAUX ET DES FORETS
France
Address
Parc De Tourvoie
Antony
Website

CHAMBRE DE COMMERCE ET D'INDUSTRIE DE PARIS
France
Address
27 Avenue De Friedland
Paris
Website
UNIVERSITY OF WEST HUNGARY  
= Hungary  
Address  
Bajcsy-Zsilinszky Ut 4.  
Sopron  
Website

SZENT ISTVAN EGYETEM  
= Hungary  
Address  
Pater Karoly U. 1  
Godollo  
Website

INTERNATIONAL INSTITUTE FOR APPLIED SYSTEM ANALYSIS - IIASA  
= Austria  
Address  
Schlossplatz 1  
Laxenburg  
Website

UNIVERSITA DEGLI STUDI DI FIRENZE  
= Italy  
Address  
Piazza San Marco 4  
Firenze  
Website

COMMISSION OF THE EUROPEAN COMMUNITIES - DIRECTORATE GENERAL JOINT RESEARCH CENTRE  
= Belgium  
Address  
Rue De La Loi 200  
Brussels  
Website
LUNDS UNIVERSITET
Sweden

Address
Paradisgatan 5c
Lund

Website

FORESTRY COMMISSION RESEARCH AGENCY
United Kingdom

Address
231 Corstorphine Road
Edinburgh

Website

MACAULAY INSTITUTE
United Kingdom

Address
Craigiebuckler
Aberdeen

Website

NATURAL ENVIRONMENT RESEARCH COUNCIL.
United Kingdom

Address
Polaris House, North Star Avenue,
Swindon Wiltshire

Website

UNIVERSITY OF BATH
United Kingdom

Address
Claverton Down
Bath

Website
THE UNIVERSITY OF NOTTINGHAM

United Kingdom

Address
University Park
Nottingham

Website

UNIVERSITY OF ABERDEEN

United Kingdom

Address
King'S College
Aberdeen

Website

INSTITUTE OF GEOGRAPHICAL SCIENCES AND NATURAL RESOURCES RESEARCH, CHINESE ACADEMY OF SCIENCES

China

Address
11a, Datun Road, Anwai
Beijing

Website

CHINESE ACADEMY OF SOCIAL SCIENCES

China

Address
Jianguomennei Dajie 5
Beijing

Website

EMPRESA BRASILEIRA DE PESQUISA AGROPECUARIA - EMBRAPA

Brazil

Address
Parque Estacao Biologica - Pqeb S/N
Brasilia
UNIVERSIDADE FEDERAL DE SANTA CATARINA

Address
Trindade - Florianopolis
Santa Catarina

Website

UNIVERSIDAD DE BUENOS AIRES

Address
Viamonte 430/444
Buenos Aires

Website

UNIVERSIDAD DE LA REPUBLICA

Address
18 De Julio 1968
Montevideo

Website

UNIVERSITY OF AARHUS

Address
Nordre Ringgade 1
Aarhus C

Website

UNIVERSITY OF COPENHAGEN

Address
Noerregade 10
2177 Copenhagen

Website