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BMBF



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resource management. The programme integrates science and practice in order to develop new strategies, technologies and system solutions based on examples from selected regional case studies.

The funding measure is part of the BMBF framework »Research for Sustainable Development« (FONA) and contributes to the implementation of the sustainability strategy and climate protection goals set by the federal government.

Module A | Scientific Coordination and Synthesis (GLUES)

Helmholtz Centre for Environmental Research – UFZ
Department of Computational Landscape Ecology
Permoserstraße 15 | 04318 Leipzig
Prof. Dr. Ralf Seppelt | Andreas Werntze, MSc.
Phone: +49 (0) 341-2351816
E-Mail: andreas.werntze@ufz.de



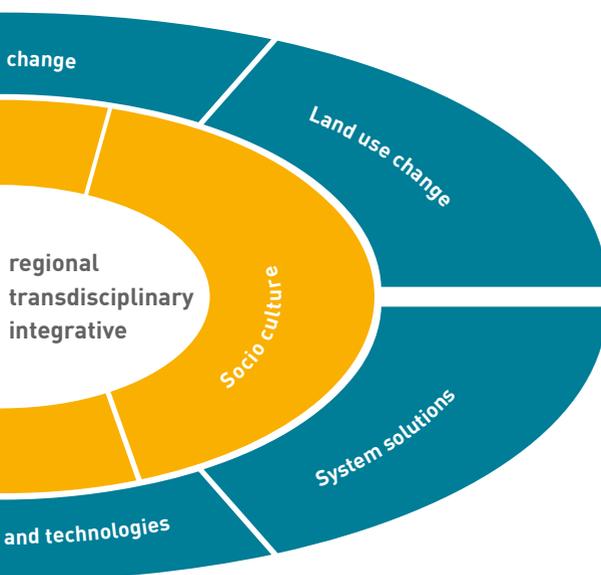
SUSTAINABLE LAND MANAGEMENT

Strategies for Action, Technologies and System Solutions



Global and regional change poses a major challenge for science, economy, policy and society as a whole. Addressing climate change, conflicts between food and energy supplies, biodiversity loss, demographic shifts and intensive land transformation requires innovative and regionally adaptive solutions.

The funding measure »Sustainable Land Management«, developed by the German Federal Ministry of Education and Research (BMBF), aims to produce new knowledge for effective decision-making in the area of land and natural



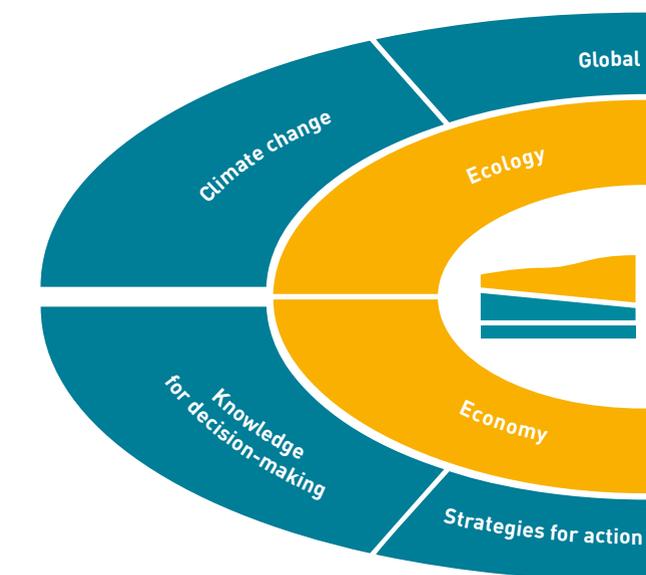
Module B | Scientific Coordination Project

Leibniz Centre for Agricultural Landscape Research (ZALF) e. V.
Institute of Socio-Economics
Eberswalder Straße 84 | 15374 Müncheberg
Prof. Dr. Klaus Müller | PD Dr.-Ing. Thomas Weith
Phone: +49 (0) 33432-82124
E-Mail: thomas.weith@zalf.de



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MODULE A

■ »Interactions between land management, climate change and ecosystem services«

The collaborative projects in module A are located in various parts of the world. The projects will develop exemplary solutions for sustainable land management and mitigation of climate change. In close cooperation with their local partners they will design strategies for maintaining important ecosystem functions and services.

OBJECTIVES

The aim of each funded regional project is to explore the interactions between land management, climate change and ecosystem services. The acquired knowledge should serve as a basis for decision-making and initiate the development of measures for sustainable land management in the regions.

KEY ASPECTS

- Modelling and assessment of different forms of cultivation
- Development of sustainable and effective courses of action
- Analysis and evaluation of interactions among ecosystem services
- Design of methods and tools for land management decisions
- Investigation of land management interactions among different regions
- Development of socio-economic instruments that account for ecosystem services and climate protection goals

MODULE B

■ »Innovative system solutions for sustainable land management«

Module B comprises collaborative projects that face different land management challenges in various regions in Germany. The projects will focus particularly on the integrated development of urban, suburban and rural areas.

OBJECTIVES

The aim is to develop innovative and practical solutions for sustainable land management in regions. In the context of integrative urban-rural development, the emphasis is put on regional value-added networks and energy and material flows.

KEY ASPECTS

- Innovative value creation networks for strengthening sustainable development of regional economies
- Services for supporting sustainable land use systems, including information and knowledge management
- Adaptation of technical infrastructure systems and prediction tools for evaluating adaptation requirements of land use systems
- Resource-efficient and low-emission development of settlements
- Decentralised systems for supply with renewable energy
- Integrated use of land and water resources with respect to regional provision and disposal services



MODULE

»INTERACTIONS BETWEEN LAND MANAGEMENT, CLIMATE CHANGE AND ECOSYSTEM SERVICES«



MODULE

»INNOVATIVE SYSTEM SOLUTIONS FOR SUSTAINABLE LAND MANAGEMENT«