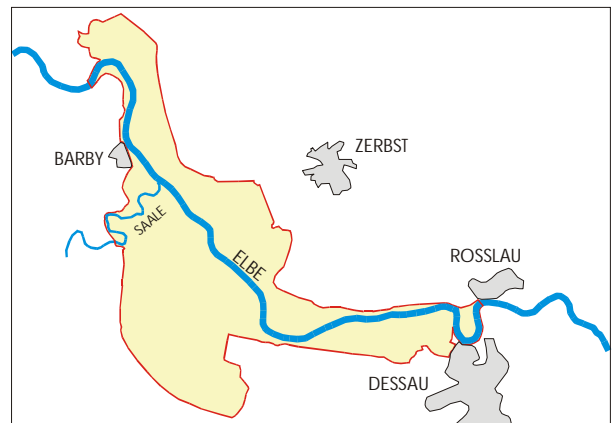




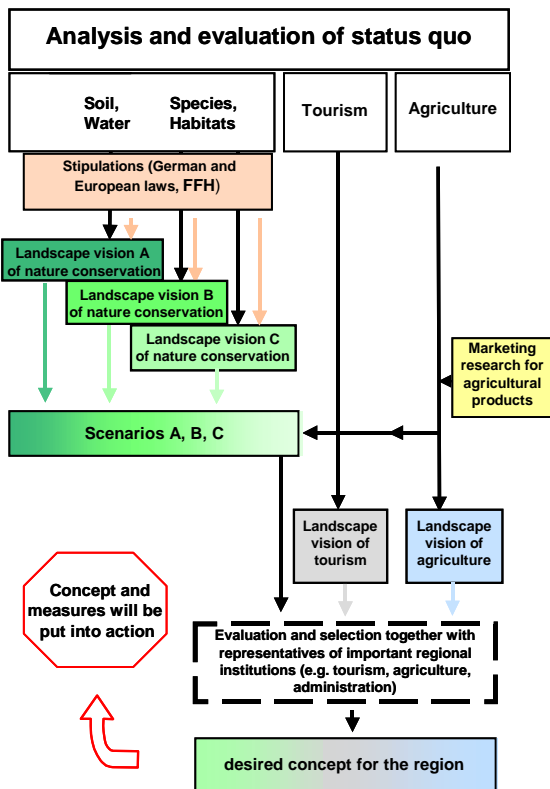
Title of project:	Integration of nature conservation and land use in the Biosphere Reserve "Middle Elbe River" -western part- by coordinated development of nature conservation, tourism and agriculture
Promotion:	German Ministry of Research (BMBF)
Running period:	1.6. 2000 – 30.5.2003
Chairmanship:	Prof. Dr. Peter Wycisk, University Center for Environmental Sciences, University Halle-Wittenberg, Tel: +49-345-5526134, Fax: +49-345-5527177, wycisk@geologie.uni-halle.de
Coordination:	Dipl.-Biol. Ilona Leyer, University Center for Environmental Sciences, University Halle-Wittenberg, Tel: +49-345-5521745, Fax: +49-345-5527286, leyer@uzu.uni-halle.de

Objectives

The western part of the Biosphere Reserve „Middle Elbe River“ has a high value for nature conservation especially due to its floodplain forests, which extension is unique along the river Elbe. But the study area is also characterized by extended agriculture. After the reunion of Germany economic conditions for farmers got worse which led to a high unemployment rate of this region. The project has the aim to determine potentials and limits to integrate nature conservation in agriculture and tourism and to work out concepts for a sustainable land use management that also contain perspectives for an economic development.



Study area (western part of the Biosphere Reserve „Middle Elbe River“)



according to T. Horlitz, ARUM;

Procedure of the joint project

First the biotic and abiotic conditions of the study area, the economic situation of the agricultural companies and the existing tourism structure will be investigated. On the basis of these results "landscape visions" and scenarios of nature conservation will be defined for the region. It will follow a selection of one scenario, which includes also agricultural and tourism aspects. Concepts and measures will be put in action in the following step.

Partial projects

- Coordination

University Center for Environmental Sciences
University Halle-Wittenberg
(Dipl.-Biol. I. Leyer)
Data management, project planning, public relations

- Nature conservation planning

Arbeitsgemeinschaft Umweltplanung Magdeburg / Hannover
(Dr. T. Horlitz, Dipl.- Ing. A. Sander, Dipl. Ing. I. Niermann, Dipl.- Ing. B. Höpfner, Dipl.-Agr. M. Bathke)
Definition of „environmental quality aims“ and development of "landscape visions" for the region, data processing with Geographic Information Systems

- Socioeconomy

Chair of Agricultural and Agri-environmental Policy, Agricultural Faculty, University Halle-Wittenberg
(Prof. Dr. H. Ahrens, Dr. habil. F. Bernhardt, Dipl.-Agr. D. Hillert)
situation of the agricultural companies, economic effects of sustainable land use management, management concepts for agriculture

- Land use effects on grassland

Institute of Agricultural Botany, University Bonn
(Dr. B.M. Mösel, Dipl.-Agr. R. Weber)
Ecological effect of different land use strategies on grassland, protection concept for floodplain meadow vegetation

-Tourism

Landscape conservation association „Biosphere Reserve Middle Elbe River“
(Dipl.-Biol. J. Roth, Dipl.-Päd. A. Kasparick)
Analysis of existing tourism structure and potential, development of tourism concept

- Marketing

Agro-Öko-Consult GmbH
market analysis and producer capacity of agricultural products, development of marketing concepts
(Dr. G. Lehmann)