

The image shows a field of tall grasses in silhouette against a bright sunset sky. The sun is low on the horizon, creating a warm, golden glow. The grasses are thin and have feathery heads, some of which are in sharp focus. The overall mood is serene and natural.

# Landuse in protected Areas

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# Introduction

- Identification of several LU practices conflicting with conservational efforts
  - Urban Sprawl
  - Traffic (infrastructure)
  - Tourism & recreation
  - Lack of management measures
- Additional threats
  - Hunting
  - Agriculture
  - Reed growth



# Contents

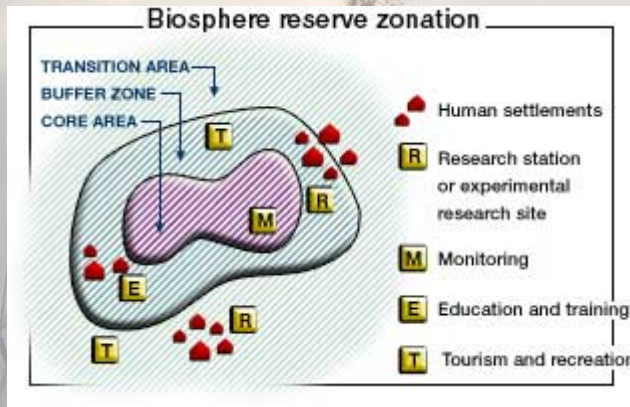
- Goals and aims
- Biosphere reserves
- Biosphere reserve Neusiedler See
- Mitigation measures
- Example Survey
- Example Green Map

# What do we want?

We want to contribute to the sustainable use of natural resources focusing on soil by developing strategies supporting the goals of IPSOIL

- Learning Region
- Lifelong Learning
- Sustainable LU

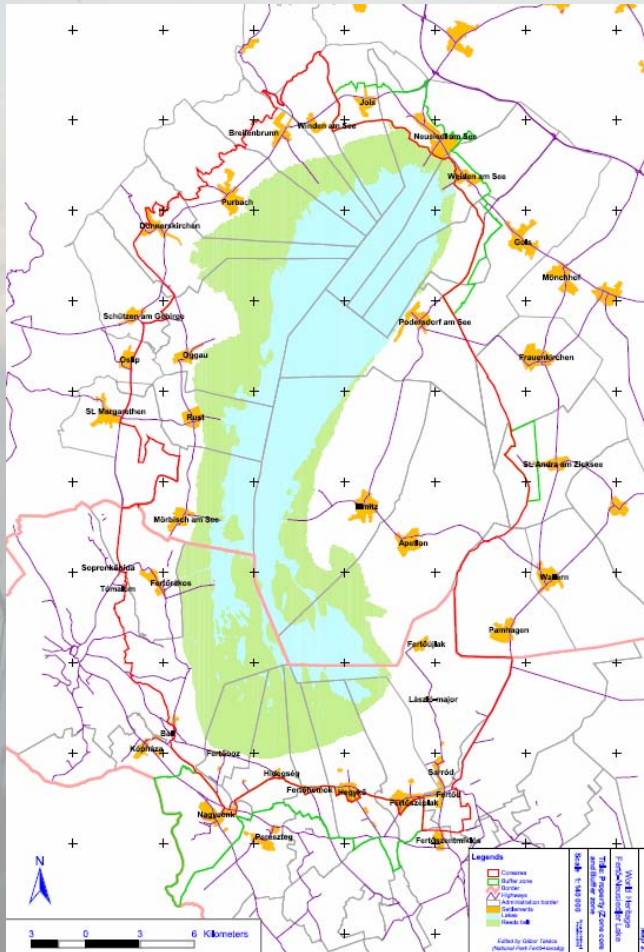
# Biosphere reserves



Source: UNESCO's MAB Programme  
<http://www.unesco.org/mab/nutshell.htm#How>, June 2005

- Core Area
  - Legally established
  - Long – term protection
  - No/Little human intervention
- Buffer Zone(s)
  - Around Core Area
  - Activities must not hinder conservation objectives
  - Experimental research
  - Education & training
  - Recreation & eco – tourism
- Outer transition Area / Area of Co – operation
  - Human settlements
  - Agriculture
  - Sustainable use of area's resources
  - Economic & social significance

# Biosphere reserve Neusiedler See



- Year of nomination: 1977
- Area 25.000 ha
- Core Zone 4330 ha
  - Ramsar Convention
  - National Parks

Source: GIS Burgenland, <http://www.gis.bglld.gv.at/default.htm>, June 2005

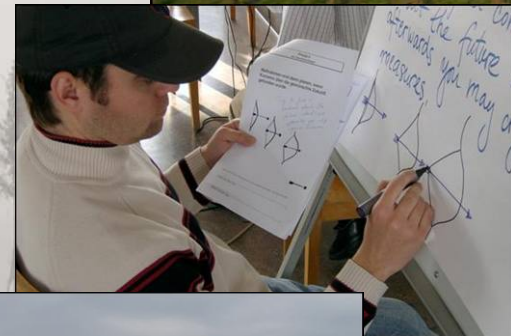
© Amt der Burgenländischen Landesregierung

# What is needed?

- Levels of action
  - Natural resource management (soil)
  - Human capacity building
- In different areas
  - (Core Zone)
  - Buffer Zone
  - Area of Co-operation

# Buffer zone

- Management of Natural Resources
  - Management Measures being developed (not published yet)
  - Agriculture (pasture)
  - Wine Production
- Human Capacity Building
  - Networking
  - Local supply
  - Development of new ideas



# Area of Co – operation (incl. settlements)

- Responsible use of natural resources by
  - Stakeholders
  - Decisionmakers
- Human Capacity Building
  - Awareness rising and activation
  - Public involvement and Networking
  - Education and Co-operation
  - Development of new ideas

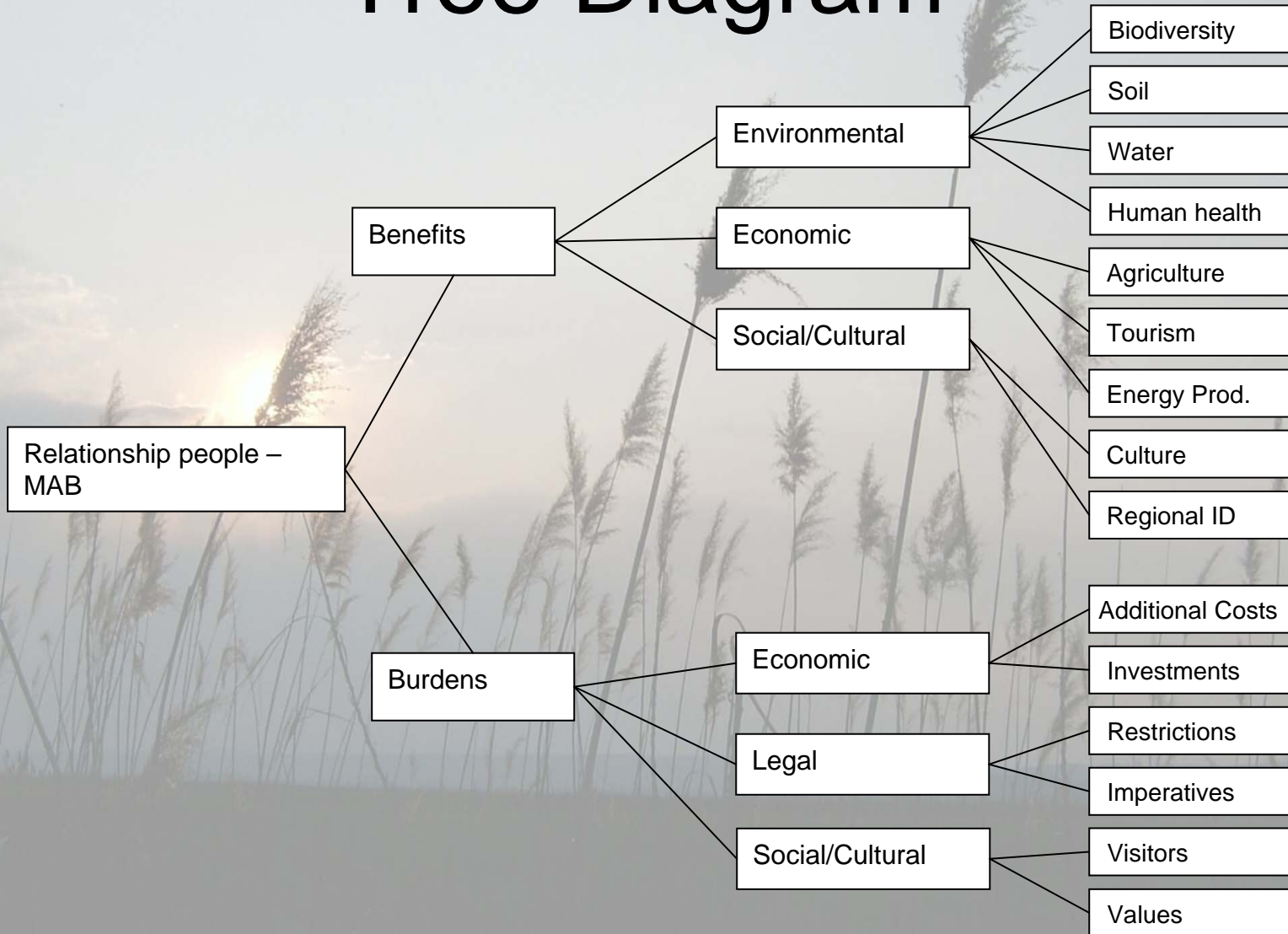
# Neusiedl am See

- Home base of IPSOIL
- Population of 5.500
- Role model
- Aggregation of results on regional level
- Examples:
  - Survey: The Attitude of the inhabitants of Neusiedl am See towards the Biosphere Reserve Lake Neusiedl
  - Green Map of Neusiedl

# Example: Survey

- Objectives
  - In relation to the problem: to make proposals on the improvement of land use in Neusiedl through communal participation
  - Within the research project: to obtain a general (quantitative) overview of people's social and economic relationship to the biosphere reserve that can be used for management concepts within the whole region
- Values Associated with Ecosystems
  - Utilitarian Concept:
    - Use values
    - Non-use values (existence values)
  - Non-utilitarian paradigm
    - Intrinsic values

# Tree Diagram



# Research Questions

- Central research question:

What is the relationship between the inhabitants of Neusiedl am See and the biosphere reserve?

- Sub research questions:

- What economic benefits do the local stakeholders derive from protected area?
- Which influence does the biosphere reserve have on the people's environment?
- What is the relationship between the lake and people's social and cultural lives?
- Which financial commitments can be traced back to nature conservation measures within the reserve?
- (Which legal restrictions does the local population face because of the biosphere reserve?)
- Which negative impacts on the peoples social and cultural lives are rooted in the biosphere reserve concept?

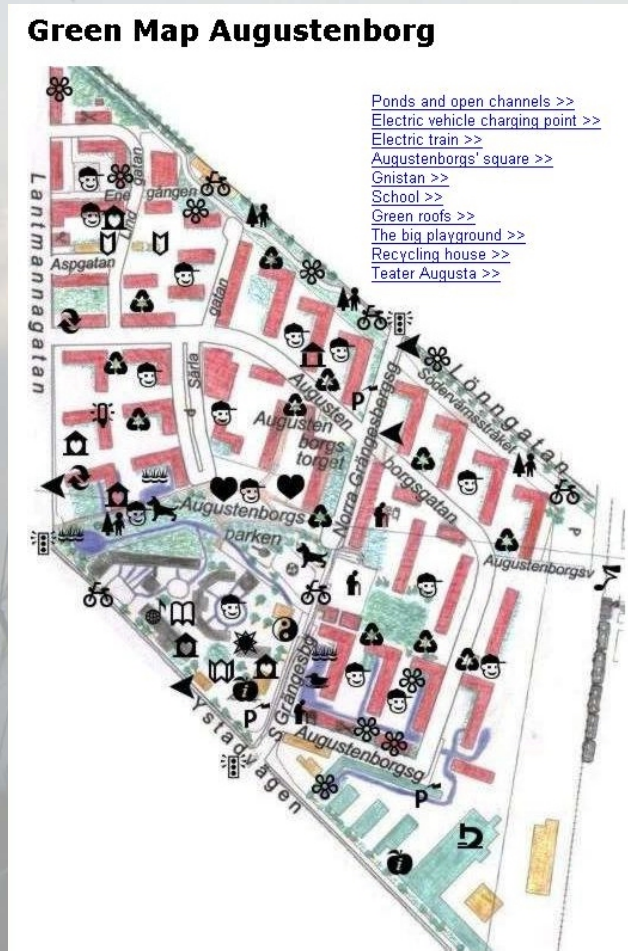
# Survey - Indicators

- The impacts of Lake Neusiedl on peoples' socio-cultural lives
- Attitude towards the environment and nature conservation
- Ideas on the development of Neusiedl am See
- Traffic
- Tourism and its impacts
- Personal data (age, sex,...etc.)

# Example: Green Map Neusiedl am See

- Green maps are locally created maps that chart the natural and cultural environment
- Emphasis on citizen participation and community sustainability
- Part of the Green Map system, a global eco – cultural movement, based on local knowledge, action and responsibility

# Example of a Green Map



## Key

	Green Map available here		Public Art
	Dog exercise area		Electric Vehicle Charging Point
	Recycling and composting point		Research site
	Garden		Environmental Information
	Community Garden		Eco-school
	Wetland		Drop-In
	Park		Pensioner-friendly area
	Pond		Solar Energy
	Child-friendly area		Theatre
	Buss / train stop		World Music
	Cycletrack		Noise
	Green business		Traffic area
	Historical area		Health resource

Source: Green Guide Malmö

<http://www.greenguide.nu/augustengindex.html>, June 2005



Thank you!