

Field trip into the biosphere
reserve South East Rügen
- Mainstreaming biodiversity
conservation into landuse on a
local level -



Some facts and figures

- Biosphere reserve founded in 1990
- Ca. 23.000 ha
- Long lived in-cultural landscape with a mosaic of valuable habitats, coastline shaped by the sea (abrasion and sedimentation)
- Biodiversity rich **grassland** on sandy soils
- Relatively high percentage of **marine areas**
- Salt meadows, dunes, sandy cliffs, peatlands
- High percentage covered by SPAs (Birds Directive) and SACs (Habitat Directive)
- People used to live of **low intensity fishing** and **extensive farming**
- Prime **tourist** destination since 100 years, changed the **settlement structure**, the **economy** and the **social structure**



Challenge of the biosphere reserve

- To cope with (**mass**) **tourism** and tourism related effects (minimising direct visitor impacts (i.e. angling, outdoor activities), traffic, housing developments) and to develop **nature-based tourism**
- To encourage farmers to continue or start environmentally friendly **farming practises** in order to sustain the grassland
- To maintain environmentally friendly **fishing practises**
- To **monitor** impacts and to monitor implementation and effectiveness of measures
- To promote **sustainable development** in general

And to do this with a very limited budget and limited number of staff (This state being the poorest of Germany and the richest in terms of no. of protected areas to be managed)



What will happen on the field trip

Will be accompanied by staff of the Biosphere Reserve administration

- 1) Groß Zicker: **introduction** into the BR
- 2) Packed lunch
- 3) Walk from Groß Zicker to Gager across the „Zicker Alps“; issues addressed: **tourism, agriculture, water sports** and **angling, forestry** and **monitoring** (problems and approaches of the BR admin)
- 4) Stop in Gager: **Bioenergy and climate protection policies** on Rügen and their potential biodiversity impacts
- 5) Stop in Klein Zicker: **Coastal protection** and biodiversity conservation in times of **climate change**
- 6) Heading for the Moritzburg
- 7) Dinner at the Moritzburg
- 8) Return to Vilm at ca 9 pm

Please, ask a lot of **questions!**





Bioenergy region Ruegen

- History: Interest of local handwerker in promoting energy saving measures for houses, LEADER working group on renewable energy, District parliament decision
- Issues: high waste disposal costs, high energy consumption, high transport, large parts of Ruegen not profiting from tourism, high dependency on tourism, much outmigration, high unemployment rate, low salaries, etc.
- Opportunities: energy saving, waste is a resource (sewage sludge, organic waste, algae, cuttings from habitat management), innovative technologies in agriculture, forestry, lots of sunshine, lots of wind, innovations in public transport, green image of the island, tourism as multiplier)
- The idea: use of all opportunities, develop Ruegen into a model for self reliant energy production, use tourism for communication
- How to make it happen: networking and coordination, creation of a foundation and of consortia; participatory process, 5 pilot projects identified (sanfte Mobilität, Abfallverwertungskonzept Rügen, Bioerdgas Rügen, Biomassehof und Wertstoffkonzept Kluis, Energiekonzept Hiddensee (habitat management residuals), Energiekonzept Rappin; many partners (Universities, business, local authorities, farmers, tourism association, biosphere reserve, forest authority, public transport, waste disposal companies