

PROJECT

KLIMZUG
Adaptation
Agriculture
Biodiversity
Climate
Energy
Evaluation
Coastal + Marine
Mobility
Tourism

Regional Adaptation Strategies for the German Baltic Sea Coast (RADOST)



[1]

The Ecologic Institute coordinated the five-year project RADOST (Regional Adaptation Strategies for the German Baltic Sea Coast). The Baltic coastline of Mecklenburg-Western Pomerania and Schleswig-Holstein is one of seven model regions in Germany that were supported by the Federal Ministry of Education and Research (BMBF) through the initiative KLIMZUG ("Managing climate change in the regions for the future"). The aim of the RADOST project was to develop regional adaptation strategies in a dialogue between research institutions, business, public administration and civil society.

The essential idea of the project was to establish a close linkage of research and practice. In addition to a core consortium of 17 partners, RADOST involved a multitude of network partners from research organisations, business, public authorities and non-governmental organisations, parts of which contributed to the

research activities as subcontractors. At the time of proposal submission, this network included already around 60 partners and was continuously expanded in the course of the project. The regional dialogue was complemented by a national and international information exchange involving partner regions in Europe, North America and North Africa.

Today, millions of euros per year are already invested in coastal protection in the region. The efficient usage of these funds requires predictions about the coast line's future development to be as precise as possible. However, the specific impacts of climate change - caused by the rising sea level, modified currents or an increase of surges - are still very uncertain. Another challenge is posed by water quality alterations in a warmer climate with modified river discharge patterns.

In order to more accurately assess the dynamics of future environmental conditions, RADOST used combinations of existing models to illustrate changes in more detail than before. RADOST activities in the field of natural science included investigations into hydrodynamics, sediment transport, water quality and ecosystems. In addition, the socio-economic consequences of climate change and adaptation options in the region were assessed. Research and strategy development activities focused on the issues of 1) coastal protection, 2) tourism and beach management, 3) water management and agriculture, 4) ports and maritime economy, 5) nature conservation and use, 6) renewable energies.

Implementation projects with local partners illustrated the economic opportunities of innovative responses to climate change. The practical applications included combining coastal protection constructions with diving tourism activities or geothermal energy generation; concepts for the aquaculture industry; design optimisation of ships for the use on routes through the Baltic Sea; and new marketing strategies for beach tourism.

Further information on RADOST is available on the [project's website](#) [2].

Main Link

RADOST Project Website

Related Articles

- RADOST Final Conference
- RADOST Abschlussbericht
- 4. RADOST Jahresbericht
- 3. RADOST Jahresbericht
- 2. RADOST Jahresbericht
- 1. RADOST Jahresbericht
- Emerging Climate Change Coastal Adaptation Strategies and Case Studies around

the World

- RADOST Akteursanalyse - Teil II: Auswertung der Befragung von Akteuren aus Politik, Verwaltung und Zivilgesellschaft

Further Links

- KLIMZUG - Managing Climate Change in the Regions for the Future

Funding

Federal Ministry of Education and Research (BMBF), Germany

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Ecologic Institute, Germany

Partner

Company for Environment and Coast (ICZM), Germany

Coastal Research and Management (CRM), Germany

The Coastal Union Germany (EUCC-D), Germany

Großmann Ingenieur Consult (GICON), Germany

H.S.W. Ingenieurbüro (H.S.W.), Germany

Institute of Applied Ecology (IfAÖ), Germany

Helmholtz-Zentrum Geesthacht, Zentrum für Material und Küstenforschung (HZG), Germany

Thünen-Institut (Thünen), Germany

Institute for Ecological Economy Research (IÖW), Germany

State Agency for Agriculture, Environment and Rural Areas Schleswig-Holstein (LLUR), Germany

Government-Owned Company for Coastal Protection, National Parks and Ocean Protection Schleswig-Holstein (LKN-SH), Germany

Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB), Germany

Leibniz Institute for Baltic Sea Research Warnemünde (IOW), Germany

Staatliches Amt für Landwirtschaft und Umwelt Mittleres Mecklenburg (STALU MM), Germany

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Links

[1] https://www.ecologic.eu/sites/files/project/2013/radost-logo_0.jpg

[2] <https://klimzug-radost.de/en>