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# R&D NETWORK

## “REGIONAL ENERGY CONCEPTS”

**Kick Off-Meeting, POLEKO 2010, Poznań**

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Energy and Social Dialogue

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Neumarkt 9-19  
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Poznań, November 24, 2010

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# OUTLINE

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- Objectives
- Project Implementation
  - Methods and Instruments
  - Facts and Figures
- „Energy and Social Dialogue“ at Fraunhofer MOEZ
  - Current Energy related activities
  - Main research interests

# Objectives of Call „Circum Mare Balticum“

- Internationalization of R&D networks in emerging technologies in the Baltic Sea Region
- First Funding Period (up to a year): Sustainable international network -> Memorandum of Understanding
- Second Funding Period (up to a year): Initiation of joint projects (e.g. EU-Proposals)

# Project Objectives

## ■ Short and Mid-Term

- Networking activities
- Transnational exchange of experiences among RES related R&D clusters and networks

## ■ Mid-Term

- Development of ideas for a joint EU-Proposal regarding integral regional energy concepts for regions (and/or cities) in the Baltic Sea Region
- Identification of additional partners for the EU-Proposal

## ■ Long-Term

- Sustainable transnational R&D-network to foster the (further) development of regional energy concepts in the Baltic Sea Region

# Project Implementation – Methods and Instruments

- Four Regional Workshops (Leipzig, Kassel, Łódź, Lillehammer; February/March to June/July 2011)
  - different thematic focuses relating to energy concepts
- International Final Conference  
(presumably in Kassel on Solar World Congress, September 2011)
- Communication platform provided by OWWZ (continuously)



# Project Implementation – Facts and Figures

- Duration: November 2010 – October 2011 (First phase)
- Sponsored by: German Federal Ministry of Education and Research
  - Travelling costs and daily expenses for German partners to Poland and Norway
  - Subsistence costs for Polish partners in Germany
  - Workshop costs (partly, e.g. Catering)
  - Personnel costs for German Partners (partly)
- Fraunhofer MOEZ as Project Coordinator is responsible for all financial issues, except personnel costs for deNEet and OWWZ
- Project number: NOE 10/02A

 **Regional Energy Concepts**  
research and development network

# Partners



# EU Calls and Topics

## ■ Calls

- FP 7 (e.g. Energy, Environment (including Climate Change), Science in Society)
- Intelligent Energy Europe

## ■ Topics (Selection)

- Combination of urban and rural energy concepts
- Enhancement and implementation of direct exchange of experience and expertise in sustainable energy management at local level between local authorities in various stages of development, in order to provide for capacity building stemming from practical experience
- Implementation of activities fostering sustainable use of energy on local level by involving all protagonists along the energy value chain



# Fraunhofer MOEZ – At a Glance

- Founded in July 2006
- One of 59 research institutes within Fraunhofer Gesellschaft
- Core Competences of applied and international orientated research
  - Economic Sciences (Business Administration and Economics)
  - Political and Social Sciences
  - Eastern European Sciences
- 40 members of staff
- Three business fields and four research fields



# Research Field „Energy and Social Dialogue“

## Core Issues

- Acceptance of innovative (energy) technologies in society
- Initiation and coordination of transnational research cooperation in the field of innovative energy concepts.
- Development of local and regional energy concepts in consideration of demographic and climate change
- Political strategies to enhance energy efficiency in buildings as well as their integration into urban and regional planning
- National implementation of European legal framework in the range of renewable energies and energy efficient buildings
- Use of energy efficient strategies in range of cultural heritage preservation

# Research Field „Energy and Social Dialogue“ Staff

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# Research Field „Energy and Social Dialogue“

## Project Example „Climate for Culture“

- Funded by FP 7 (Environment incl. Climate Change)
- Duration: 11/2009 – 10/2014
- 27 Partners from 14 countries Europe and Northern Africa
- Fraunhofer MOEZ Lead Partner in cooperation with Fraunhofer IBP and Fraunhofer ISC
- Objectives:
  - Meeting the challenges of climate change and the responsibility for cultural heritage
  - National implementation of European legal framework in the range of renewable energies and energy efficient buildings
  - Use of energy efficient strategies in range of cultural heritage preservation



# Research Field „Energy and Social Dialogue“

## Project Example „Coach BioEnergy“

- Funded by Central Europe
- Duration: 01/2009 – 12/2011
- 18 partners from 7 countries (D, PL, H, CZ, SK, A, UA)
- Fraunhofer MOEZ as Coordinator
- Objectives:
  - Foster the energy use of biomass by ensuring the adequate knowledge access through the implementation of a transnational Consultancy Network
  - Transfer technological findings from the scientific to the local, regional, national and European policy and decision making level
  - Create a sound basis for putting into practice European, national and regional policy concerning efficient and sustainable use of bioenergy



# Research Field „Energy and Social Dialogue“

## Project Example „Energy Efficient City Leipzig“

- Funded by German Federal Ministry of Education and Research
- Duration: 06/2009 – 05/2010
- Three local Partners
- Fraunhofer MOEZ as Coordinator
- Objectives:
  - Development of an innovative concept for the future procedure of developing Leipzig as an energy efficient city. Therefore the concept contains “energetic-spatial” topics (in the sense of a combination of both strategies) against the background of demographic change
  - To find a solution, which need not to be the best technical solution, but a solution which also considers social and cultural aspects and which can be financed at least.



# Possible contributions of Fraunhofer MOEZ for joint proposals

# Thank you for your attention!



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