



# Integration across hazards – AUSTRIA

NWP Technical Workshop on integration of  
approaches to adaptation planning

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- **Development of the Austrian adaptation strategy**
  - Goal
  - Process
  - Outcome
  
- **Other adaptation activities**
  - Action plan on climate change in the Alps
  - Flood risk management
  - Adaptation needs at sub-national level scale
  - White Paper (EU – regional level)
  
- **Lessons learned**

# Austria's adaptation strategy - goals

- Provide information on the impacts of climate change
- Provide a framework to facilitate integration of climate change in all sectors at all levels to
  - Enhance adaptive capacity
  - Reduce vulnerability of regions and sectors
  - Make best use of opportunities and synergies and identify areas of potential conflicts

# Austria's adaptation strategy - processes

- Traditional intergovernmental coordination process
- Participatory process  
<http://www.klimawandelanpassung.at/>
- Information about adaptation to the impacts of climate change
- Transparency of the participatory process
- Internal platform for communication
- Public information
- database (research and adaptation activities)

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# Austria's adaptation strategy - outcome

- 3 national workshops
- Study on current adaptation activities
  - Public database on activities/regular update
- Comprehensive paper
  - Identification of vulnerable sectors (agriculture, forestry, water management, tourism, energy industry)
  - Climate projections
  - Vulnerability assessments
  - Portfolio of first recommendations
- National legislation under preparation
- <http://www.lebensministerium.at/article/archive/7098/>

## Action Plan under the Alpine Convention, adopted on 12<sup>th</sup> March 2009 (Evian, France)

### Goals:

- Make the Alps (a region of 200.000km<sup>2</sup>) a model region for adaptation to climate change
- Commitment to concrete measures
  - Document natural hazards
  - Deploy and spread Low Carbon transport models and on ecological construction
  - Facilitate migration of species
  - Good practice for small scale hydro
  - Develop low carbon solutions for transit transport

## **FloodRisk II: Development of Implementation Strategies for Integrated Flood Risk Management**

Broad participation:

- national, sub-national administrative level
- scientific community
- Technical consultants
- Meteorological service and Federal Environment Agency
- Companies/economic sector representatives
- 39 different bodies/organizations/entities

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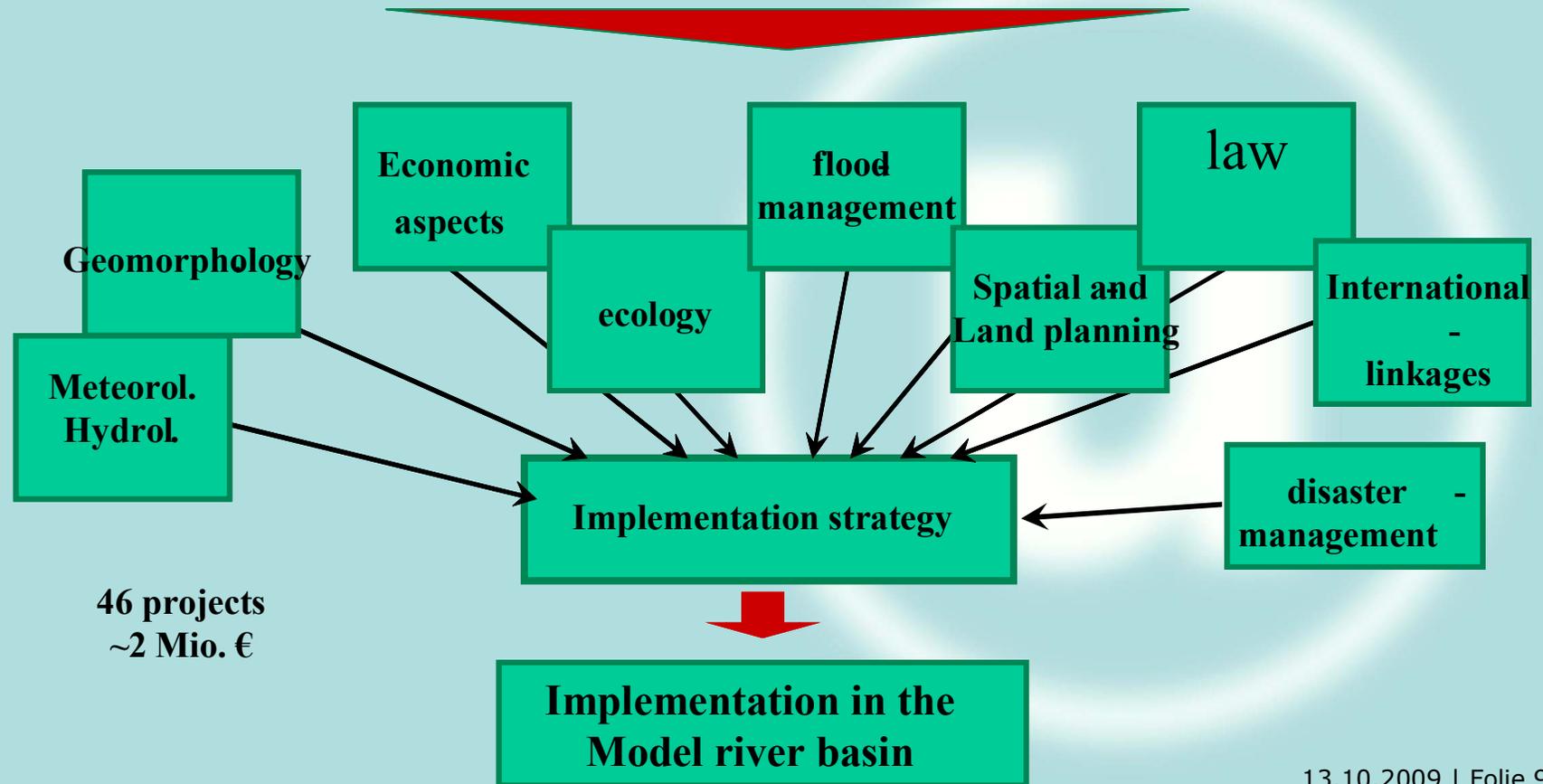
# FloodRisk – participating organizations



# FloodRisk - implementation



WP1- Met/Hyd	WP3 – Ökon.	WP5 -WLV	WP7 -BMVIT	WP9 – Raum.	WP11- KatSch
WP 2- Geom.	WP4 – Ökol.	WP6 -BWV	WP8 – Partizip.	WP10 - Recht	WP12-Intern.



# Other AA – sub-national (1)

## 2-days meeting “Sub-national needs to adapt to climate change (October 2009, Styria, Austria)”

- Organized by ÖVAF (Austrian cooperation for agricultural, life and ecological research)
- Participation of representatives from the
  - Scientific community,
  - Administration at national and sub-national level,
  - Producers of agricultural products
- Goals
  - Raising of awareness on the challenges related to climate change
  - Identification of adaptation options

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# Other AA – sub-national (2)

## Topics to be addressed:

- Security of food supply
- Historic trends in climate and their impacts on ecology and economy; climate scenarios on a regional scale
- Challenges for many sectors/subsectors
  - water management
  - fertility of soil
  - crop management
  - plant-health
  - agriculture in mountainous region
  - health of cattle
  - Forestry
  - Power sector
  - natural disasters in mountainous region
- Land-use planning

# Other AA – White Paper (EU - regional level)

- Launched on 1 April 2009
- Goal: strengthen the resilience of the EU to the impacts of climate change
- Most adaptation measures will have to be taken at national and sub-national level
- Action at EU-level should complement actions at national level
- Integrated and coordinated approach
- Based on intense stakeholder process
- <http://eurlex.europa.eu/LexUriServ/LexUriServ.do?uri=COM:2009:0147:FIN:EN:PDF>

# Lessons learned (1)

- **Simultaneous , coordinated activities at various levels,** addressing
  - **Development of adaptation strategy at national level** (vulnerable sectors, relevant hazards, promising adaptation activities)
  - **Implementation of adaptation activities already now,** addressing
    - **Most vulnerable eco- and human systems**
    - **Most vulnerable sub-national regions**
- **Open, transparent, participatory processes**

# Lessons learned (2)

- **Informed by science**
- **Creating networks**
  - **Linking sub-national, national, regional, international scales**
- **Stepwise, iterative approach**
- **Need for capability to manage complex processes, addressing impacts in an integrated manner**
- **Experts with knowledge in various fields helpful**
- **Build on existing institutions – approach of integration**

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***Many thanks for your  
kind attention!!!***

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