Europe INBO 2015

Economic Analysis for water management in Norway
Norway:
- 12 River basins
  - International river basins with Finland and Sweden (Norwegian-Finnish Agreement and MoU + Norwegian-Swedish Strategy)
- 105 sub-districts
- 1st set of national management plans will be approved by Ministry of Climate and Environment in 2015/2016
- Multilevel organisation - high degree of regional and municipal decision-making
The 10 most important pressures on watercourses in Norway

- Hydropower: High
- Acid rain: Medium
- Agricultural runoff: Low
- Runoff from scattered houses: Unknown
- Invasive species: High
- Runoff from urban areas: Low
- Pollution from sewage plants: Low
- Polluted sediments: Low
- Flood protection: Low
- Aquaculture: Low
Current situation – Economic analysis

- In the River Basin Management Plans
  - Limited data on costs and effect of measures
  - Lack of information on how much the suggested measures will cost
  - Coherent assessment of disproportionate costs: challenging

- At the national level:
  - Economics project with other sector authorities
  - National guidance document on economics in the making
  - Identify challenges and find a way to collect relevant data for the river basin management plans
SWOT analysis – economics in RBMPs

- **Strengths:**
  - Solid library for measures for all sectors, strong advancement in hydropower sector, some sectors have contributed costs of measures. Administrative structures are in place.

- **Weaknesses:**
  - No official guidance, uncertainty and misunderstandings concerning requirements and understanding of economical concepts, “groundwork” not in place, too detailed?

- **Opportunities:**
  - Extensive research conducted, good platform to build upon, methodology needs work, CEDREN

- **Threats:**
  - Level of cooperation, must start groundwork now in order to see improvement in 6 years! Uncertainty surrounding responsibilities and roles in economic assessment.
Vannkraftkonsesjoner som kan revideres innen 2022
Nasjonal gjennomgang og forslag til prioritering

R A P P O R T

49
2013
Cost/benefit issues

Environmental potential:
• Fish stock and fishing
• Biological diversity (endangered spp)
• Landscape and recreation

Production loss:
• Environmental flow
• Dam maneuvering restrictions

Other issues:
• Potential for upgrade/refurbishment
• Changes in runoff, climate change, flooding
• Storage capacity
• Geographical distribution between regions
Thank you!