

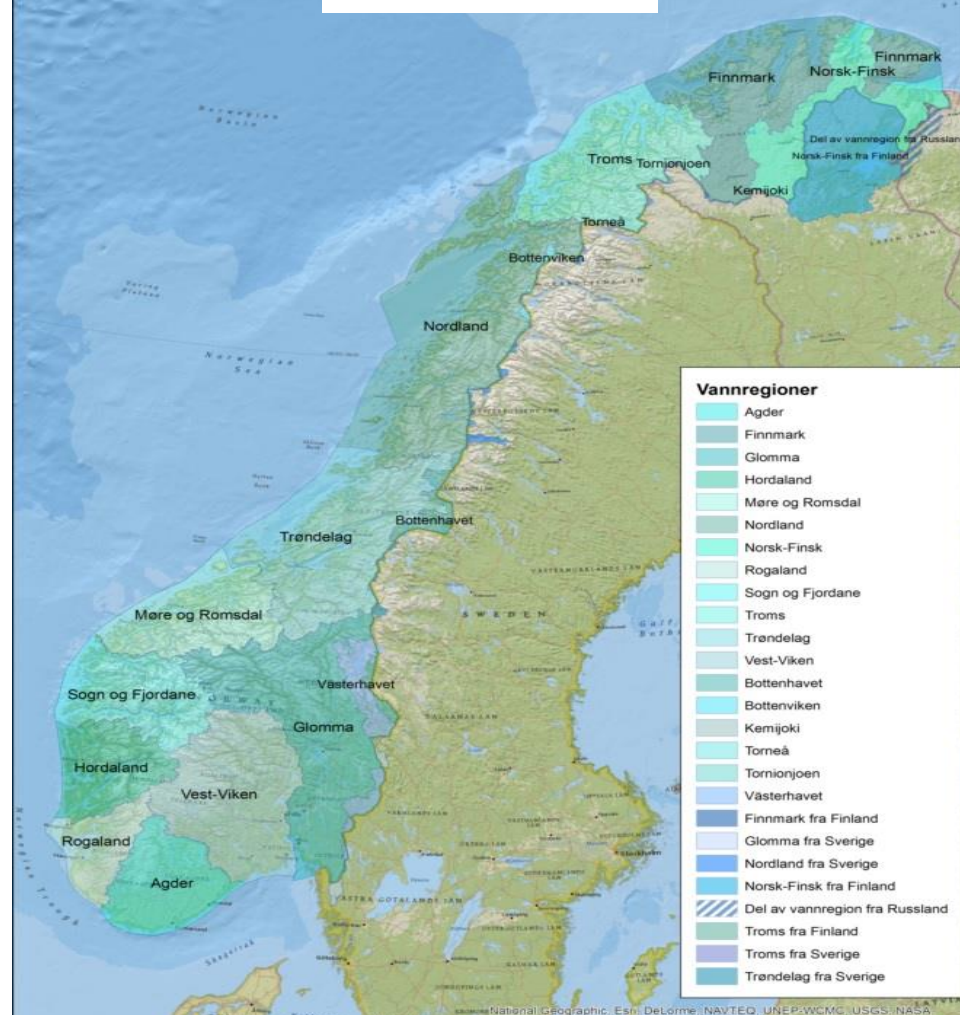


Europe INBO 2015

Economic Analysis for water management in Norway



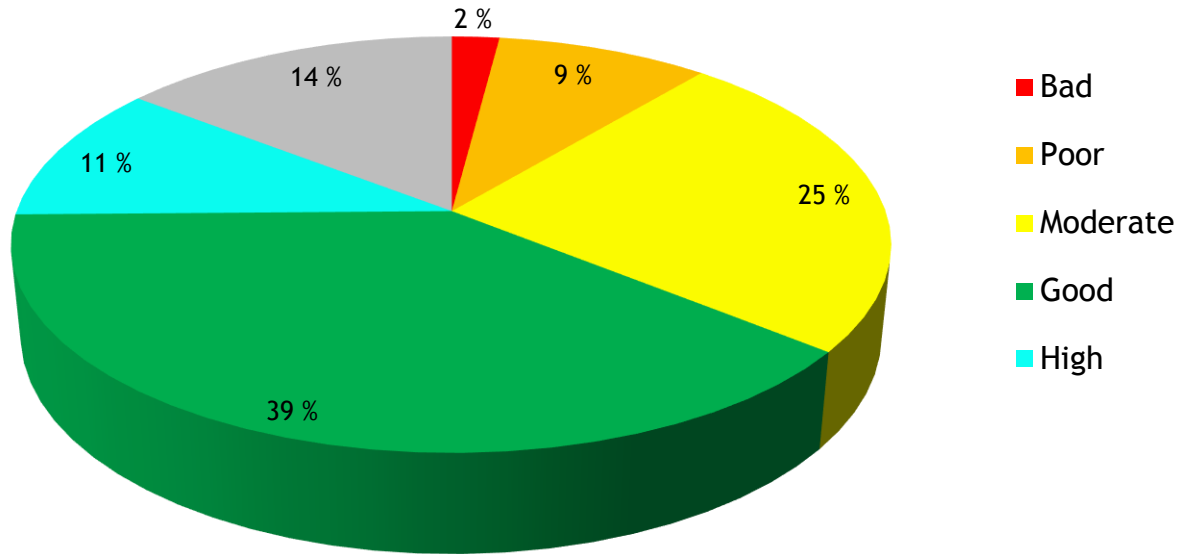
River Basins



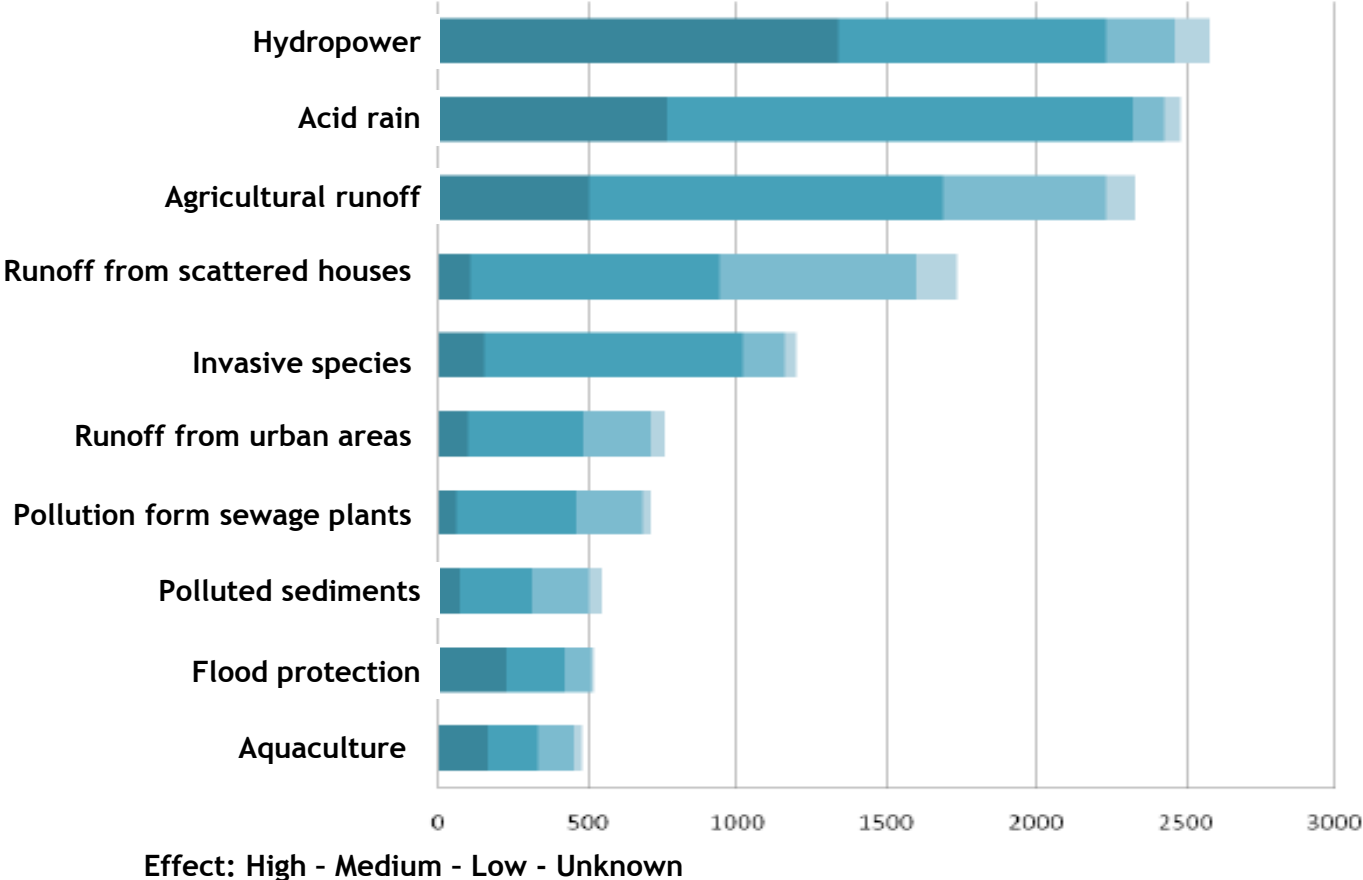
Norway:

- 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

Environmental status of water in Norway (2013)



The 10 most important pressures on watercourses in Norway

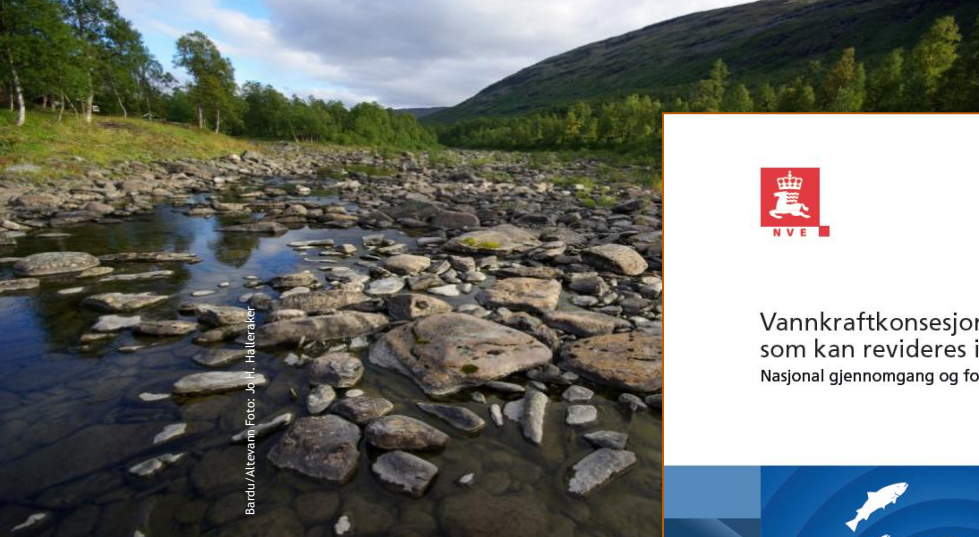


Current situation – Economic analysis

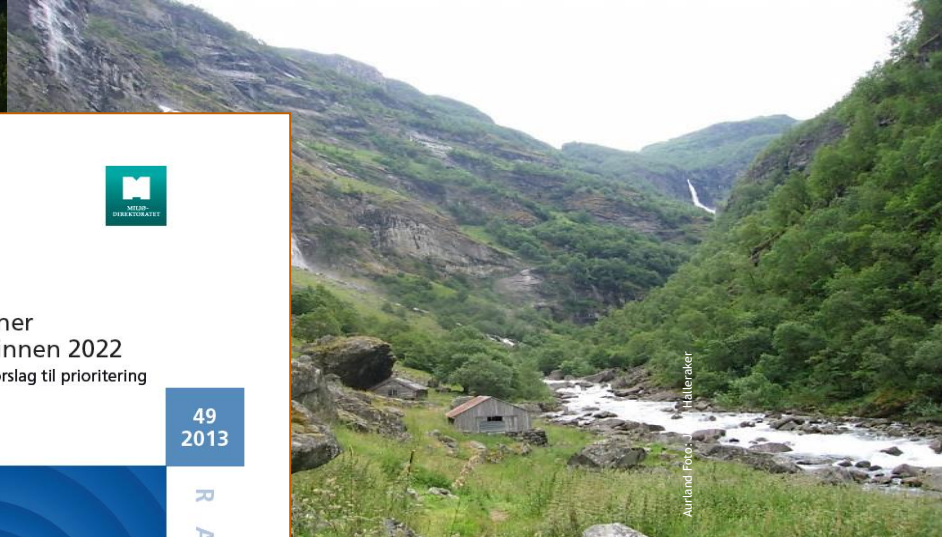
- In the River Basin Management Plans
 - Limited data on costs and effect of measures
 - Lack of information on how much the suggested measures will cost
 - Coherent assessment of disproportionate costs: challenging
- At the national level:
 - Economics project with other sector authorities
 - National 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



Bardu/Altevaern Foto: John Halteraker



Aurlund Foto: John Halteraker



Væringsfossen i Måbødalen Foto: Svein-Magne Tjølli

Vannkraftkonsesjoner
som kan revideres innen 2022
Nasjonal gjennomgang og forslag til prioritering

49
2013

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Laksefiske i Altaelva Foto: Roy M. Langåker

Cost/benefit issues



River pearl mussel © Bjørn M. Larsen, NINA

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



Wild Atlantic salmon
© Steve Halsetrønning



NORWEGIAN
ENVIRONMENT
AGENCY



Thank
you!