

Næringsliv Møre og Romsdal

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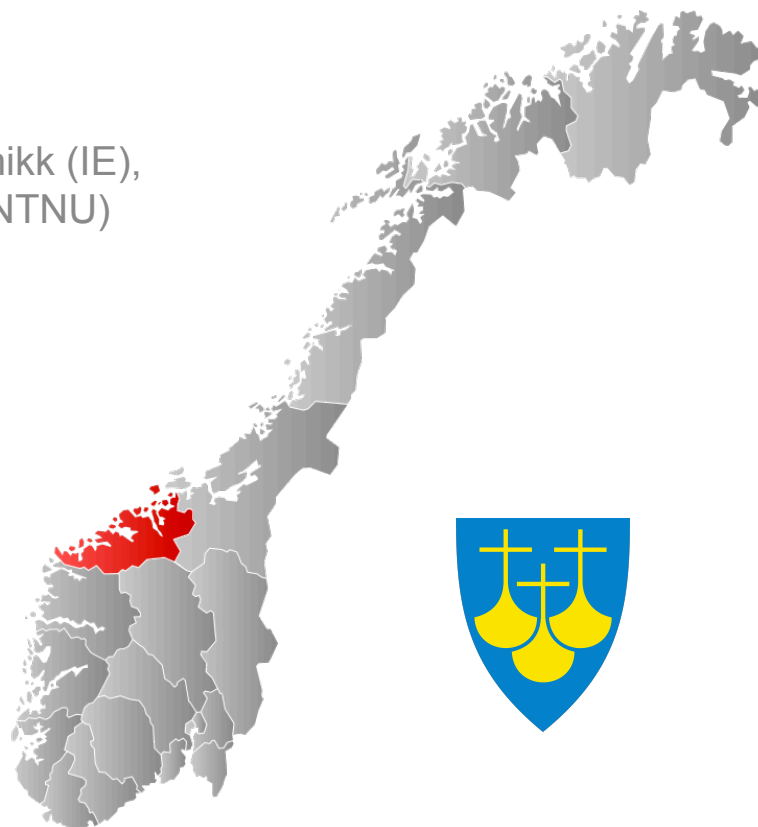
Nesteleder for forskning og innovasjon

Institutt for IKT og realfag (IIR),

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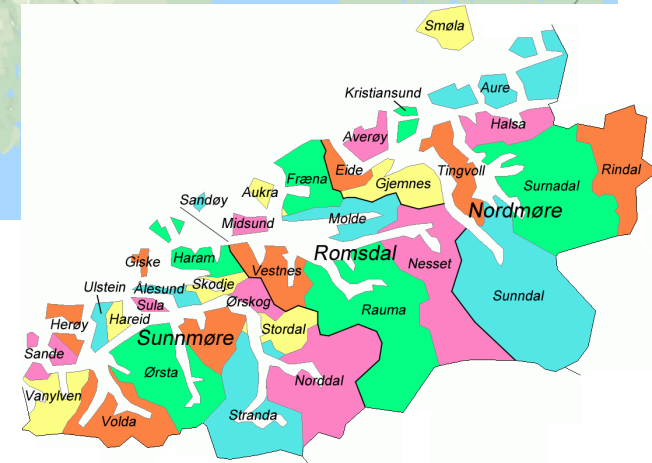
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Møre og Romsdal

- Also known as Mid Norway or Northwest-Norway
- Consists of Sunnmøre, Romsdal and Nordmøre.
- 3 biggest cities are Ålesund, Molde and Kristiansund.
- Sunnmøre is the biggest of these three with about 132K inhabitants.
- Covers an area of 15,121 km² and 36 municipalities



Most important industries

- Two main clusters
 - Furniture cluster
 - Maritime cluster
- Other industries
 - Oil and gas
 - Tourism



Furniture industry

- Employ 2430 and produce about 35 percent of furniture sold in Norway with a turnover of NOK 8.4 billion (USD 1.4 billion) a year (Aftenposten)
- A third of the furniture and interiors produced in Norway is exported.



<http://ikonsfurniture.com/>

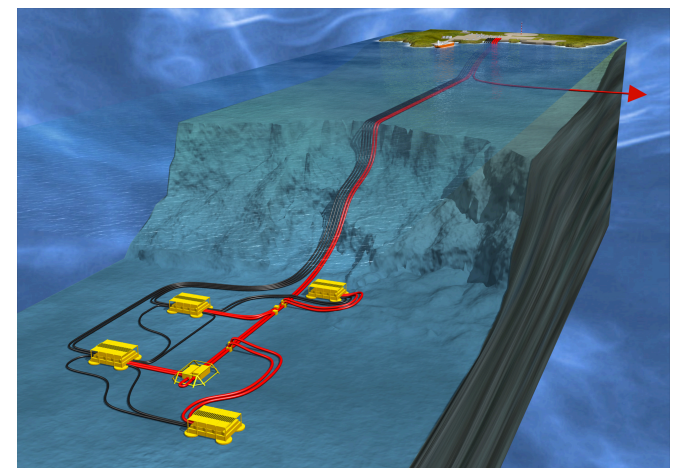
Maritime industry

- Maritime cluster
 - Fishing
 - Shipping
 - Shipbuilding
 - Coastal transport
 - etc
- Employed 37K people with a turnover of NOK 105 billion (US\$20 billion)



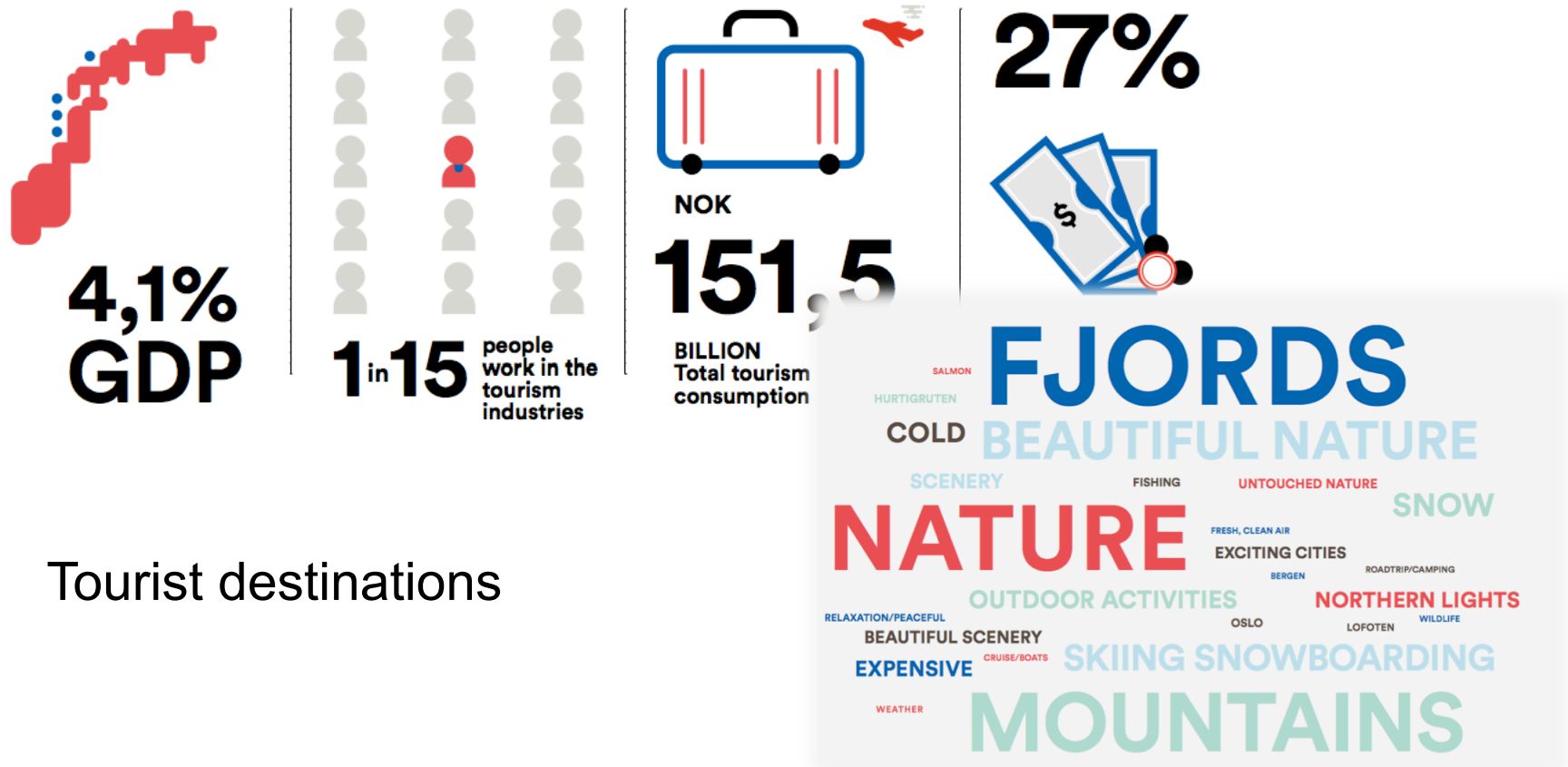
Oil and gas industry

- Ormen Lange (natural gas field)
- Situated 120 KM northwest of Kristiansund
- Discovered in 1997 and started production in 2007
- Provides 20% of Great Britain total annual needs



Tourism industry

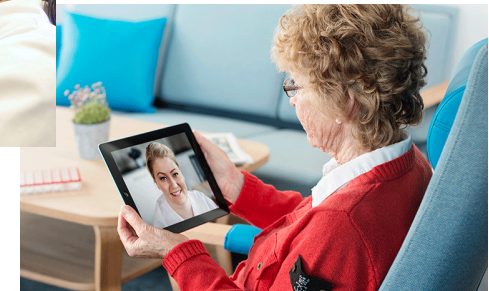
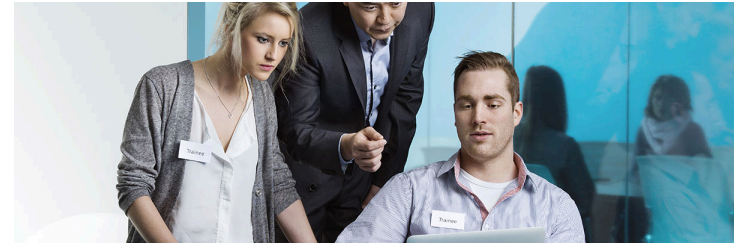
- The significance of tourism for Norway



- Tourist destinations

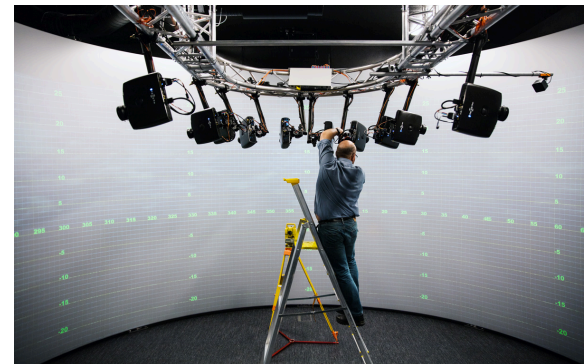
NTNU in Ålesund

- Department of International Business
 - Customer-value creation
 - International marketing and branding
 - Regional innovation and global competition
 - International business models and strategies
- Department of ICT and Natural Sciences
 - Cyber-physical Systems
 - Digital Transformation
- Department of Ocean Operations and Civil Engineering
 - Ship design lab
 - Ship operation lab
 - Civil engineering lab
 - Water and environmental engineering lab
 - Etc.
- Department of Biological Sciences Ålesund
 - Optimal marine environment
 - Medical and marine technology
 - Sustainable Fish farming
- Department of Health Sciences in Ålesund
 - Clinical nursing practice
 - Simulation and welfare technology
 - Health care systems

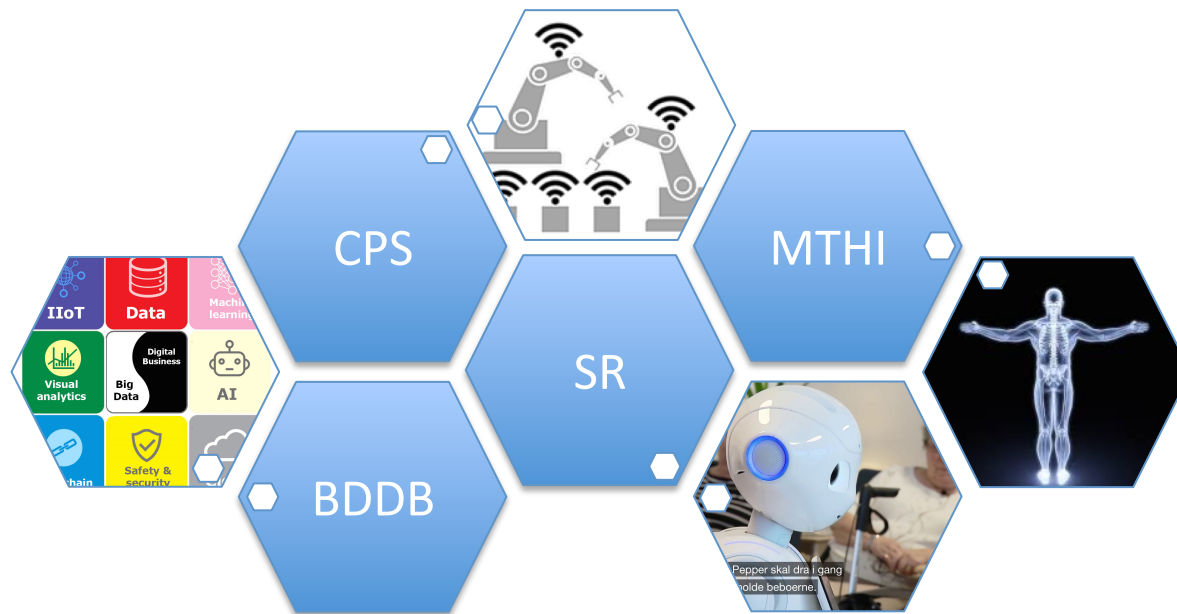


IIR research areas

- Cyber-Physical Systems (CPS) Lab
 - Maritime technology (1 PhD, 1 postdoc)
 - Medical Technology and Health Informatics
- Digital Transformation Lab
 - Big Data and Digital Business (2 PhD + 1 postdoc)
 - Social Robots (1 PhD)
- Simulation and Visualization
 - International master program
- 30 researchers:
 - 1.07 publication points/ year
 - 2 researchers are in the best 25 publishers in IE
 - First Best 3 publishers in Ålesund Campus



Simulation and Visualization



Electrical Power
Systems

Automation
Engineering

Computer
Engineering

CPS: Cyber-Physical Systems
SR: Social Robots

BDDB: Big Data and Digital Businesses
MTHI: Medical Technology and Health Informatics

Takk for meg