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Research Priorities in Norway draft

FEBRUARY 2016 awh-UTSAM/SAH/Forskningsrådet

Norway

- National priorities in research policy
- Selected national funding schemes
- Institutional priorities and focus
- Existing strenghts

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Seas and Oceans

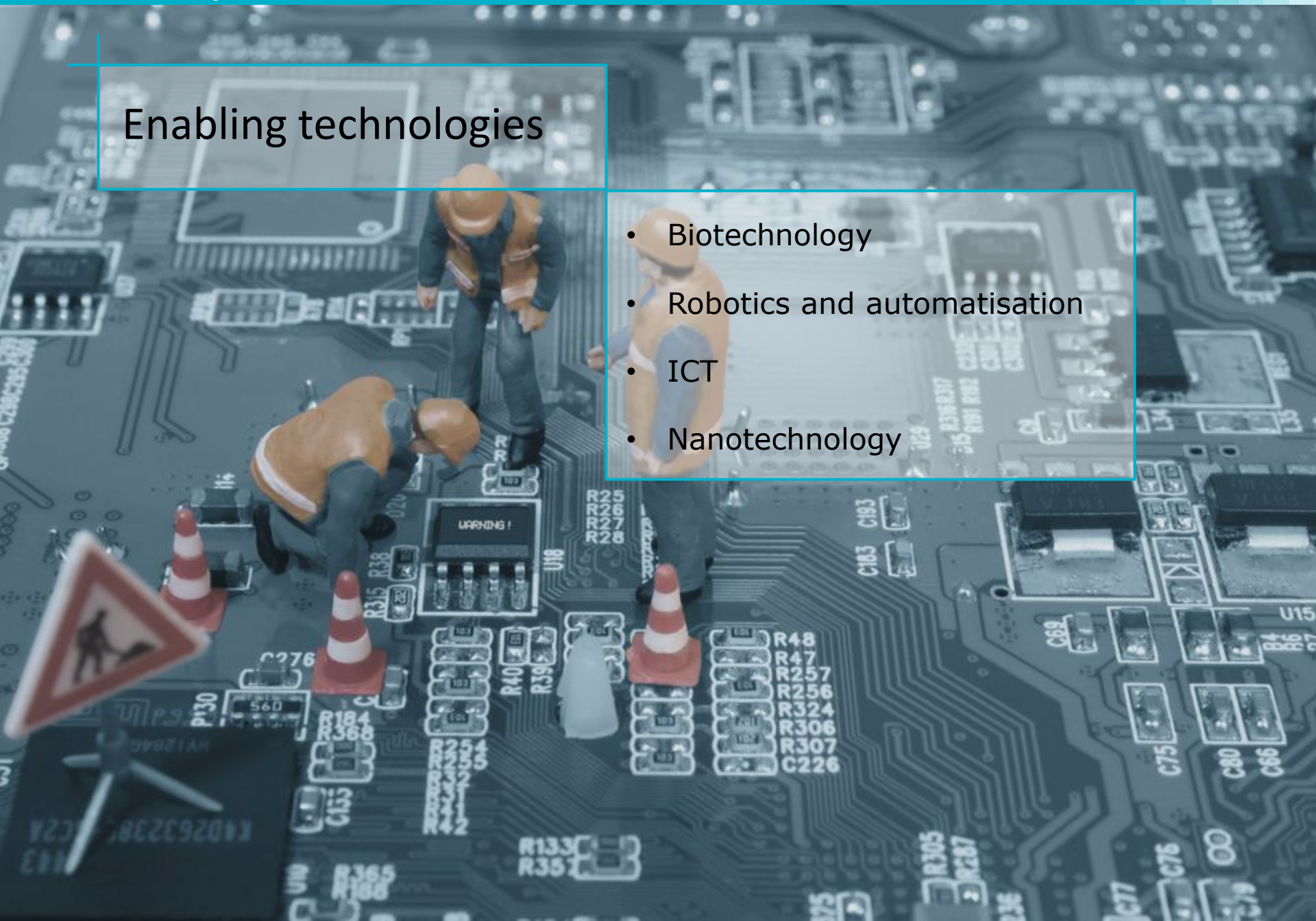
- maritime technology
- petroleum technology
- fishery and aquaculture
- management of ecosystems and resources
- clean seas and healthy seafood

Climate, environment and clean energy

- Technology to solve global climate and energy challenges
- Low-emission society
- Climate-change and adaptation
- Sustainable development

Enabling technologies

- Biotechnology
- Robotics and automatisation
- ICT
- Nanotechnology



Innovation in the Public Sector and Better Public Services

- Interaction between users, service providers, and researchers
- Public sector as driver and user of innovation
- Welfare, Health and Care
- Education and Life-long Learning

Putting the Long-Term Plan into Action

- Reflected in the annual national budgets
- Adjustments every 4th year
- Investments in infrastructure and buildings
- Research Council of Norway funding schemes

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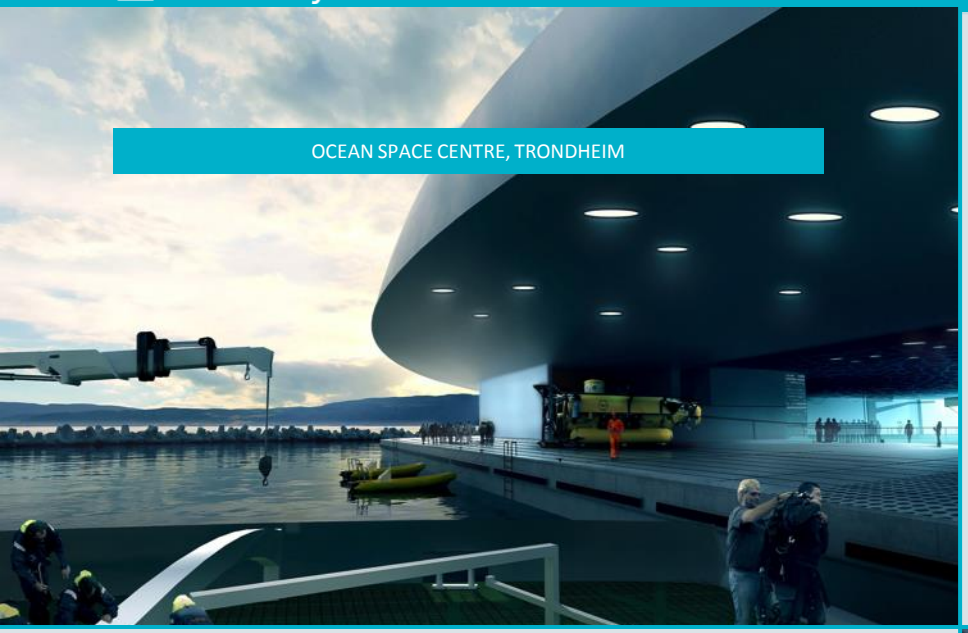
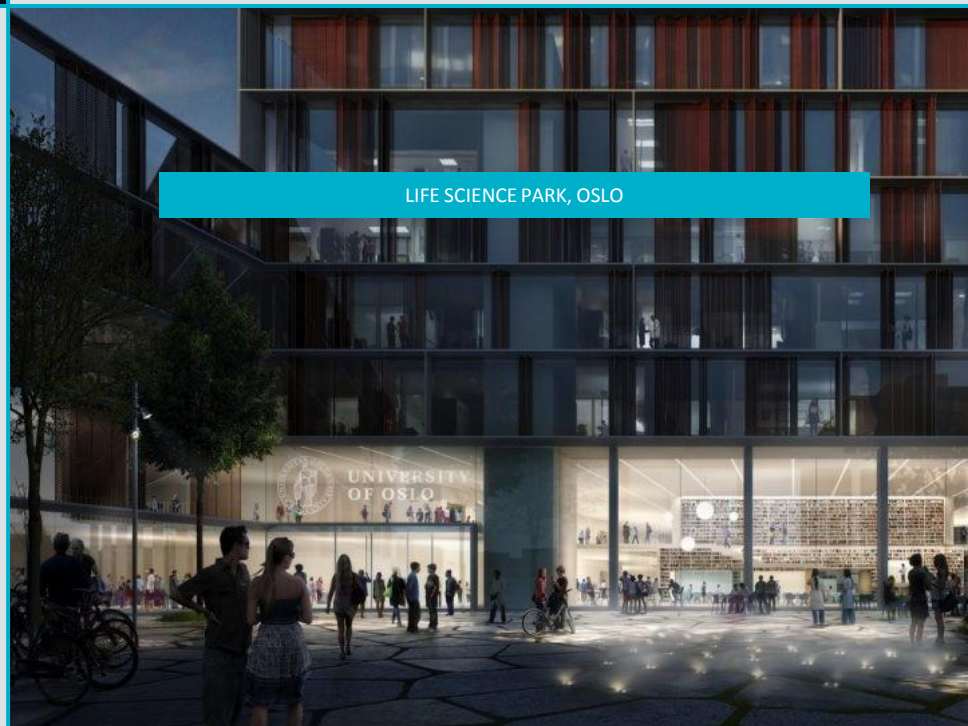


OCEAN SPACE CENTRE, TRONDHEIM



LIFE SCIENCE PARK, OSLO

Norwegian Roadmap for Infrastructure - examples from Energy

Norwegian Zero Emission Building Laboratory

National Smart Grid Laboratory

Norwegian Laboratory for Silicon-based Solar Cell Technology

Norwegian Biorefinery Laboratory

Norwegian Fuel Cell and Hydrogen Centre

European Carbon Dioxide Capture and Storage Laboratory

- ECCSEL-ESFRI project

Centres of Excellence in Norway – concentration, expertise and cooperation

- Norwegian Centres of Excellence (SFF)
- Centers for Research-based Innovation (SFI)
- Centers for Environment-friendly Energy Research (FME)

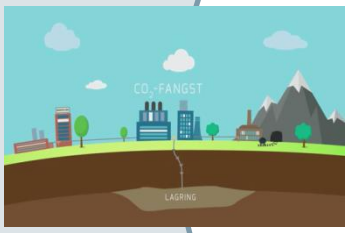
Centres for Environment-friendly Energy Research starting in 2017

FME CINELDI – intelligent electricity distribution

FME HighEFF
- energy efficient industry

FME MoZEES
- zero emission energy systems

FME NCCS



FME Solar Cell Technology

FME HydroCen

FME Bio4Fuel

FME ZEN Centre
- zero emission neighbourhoods in Smart Cities

OG21

HelseOmsorg21

energi21

KLIMA21

MARITIM21

- en helhetlig maritim forsknings- og innovas

HAV21

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Institutional priorities

MARINE RESEARCH

Marine research is one of the three main areas of
the University of Bergen, along with climate and
transition and global societal challenges.

CLIMATE AND ENERGY TRANSITION

Climate and energy transition is one of the three m
of research at the University of Bergen, along with
research and global societal challenges.

Strategic Research Areas 2014–2023

Through interdisciplinary cooperation, NTNU's strategic research areas NTNU Energy, NTNU Health, NTNU Oceans and NTNU Sustainability address complex challenges of great importance for society.

UiO:Life Science

Life sciences represent the largest priority area of the University of Oslo.

LIVSVITENSKAP LIFE SCIENCE

UiO:Energy

UiO: Energy is designed to address the transition towards secure and sustainable energy systems.

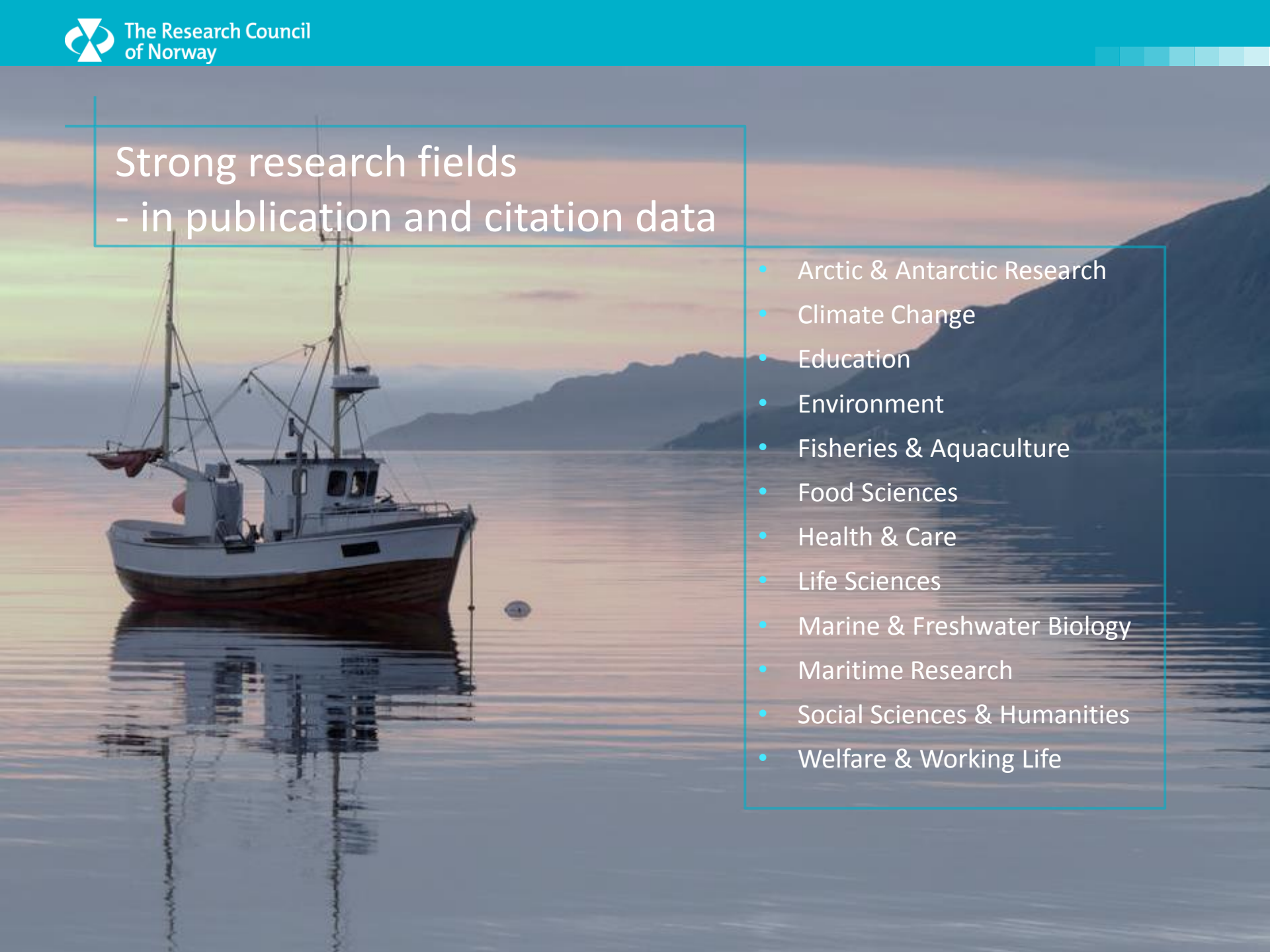
BÆREKRAFTIG ENERGI SUSTAINABLE ENERGY

UiO:Nordic

UiO:Nordic is intended to provide new knowledge about the Nordic countries.

GLOBALE UTFORDRINGER · NORDISKE

Strong research fields
- in publication and citation data



- Arctic & Antarctic Research
- Climate Change
- Education
- Environment
- Fisheries & Aquaculture
- Food Sciences
- Health & Care
- Life Sciences
- Marine & Freshwater Biology
- Maritime Research
- Social Sciences & Humanities
- Welfare & Working Life

Thank you!

- Read the Long Term Plan here:
- https://www.regjeringen.no/en/dokumenter/meld.-st.-7-2014-2015/id2005541/
- Bibliometry Report:
- http://science-metrix.com/en/publications/reports/bibliometric-study-in-support-of-norways-strategy-for-international-research

Future, plans and investments

- Infrastructure
- National strategies
- Institutional strategies
- Education, talent and recruitment

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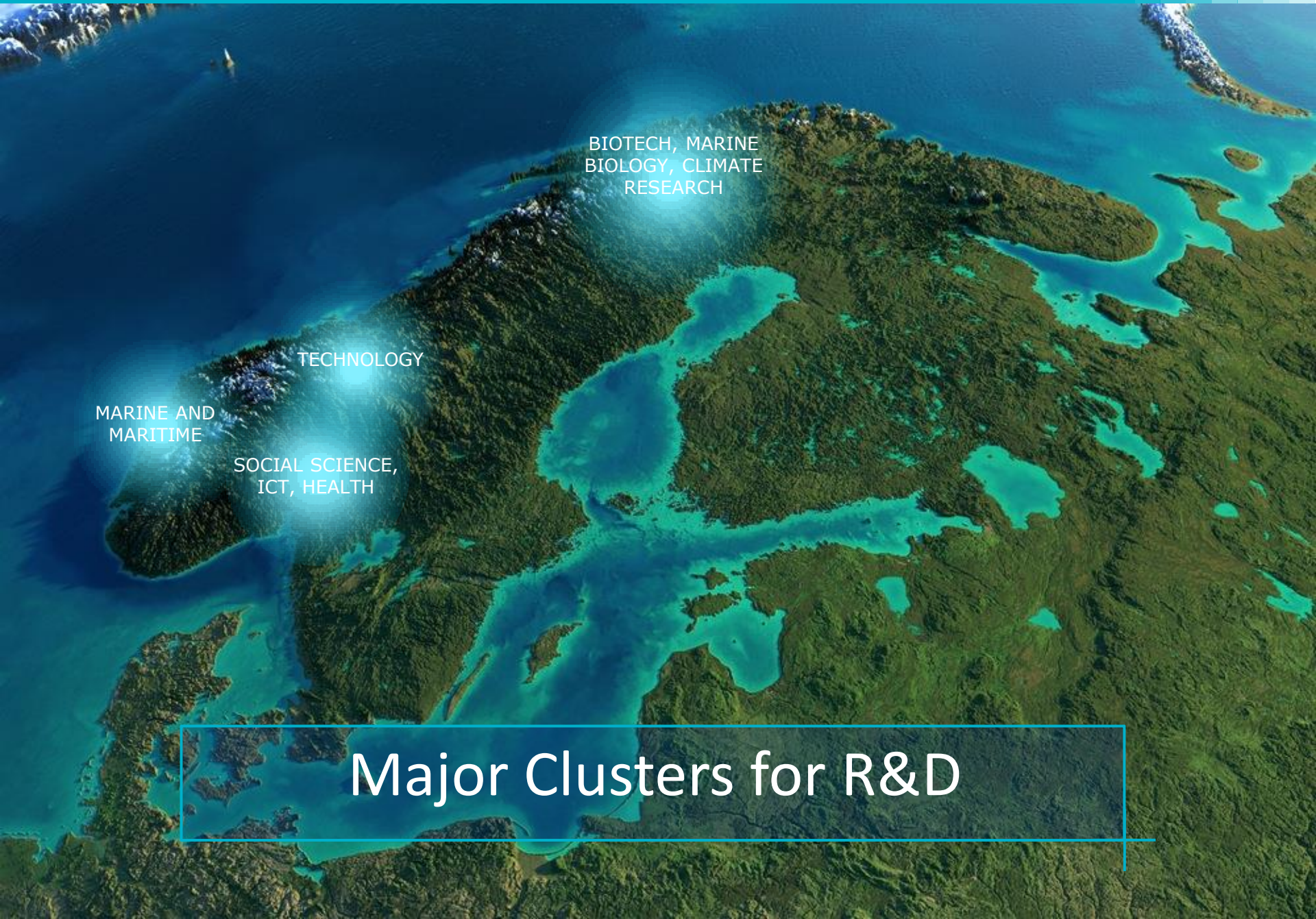

Major Clusters for R&D

Research and Development – the actors