

Strategy Fram - High North Research Centre for Climate and Environmental

"Fram - the High North Research Center for Climate and Environmental " - in everyday speech The Fram Centre (Framsenteret) will, through collaboration, carry out interdisciplinary research of a high international standard and which is important for the management of the High North. The Fram Centre will contribute with research that addresses the challenges in the High North, both in terms of environmental and social consequences. The research will be aimed at the increasingly complex challenges within climate and the environment, where decisions in the management must be made with some uncertainties. The results of the research should be able to form the basis for reducing risk in the management by gaining knowledge about solutions that will work under different possible future scenarios, and at the same time contribute to new business activities and other human activity taking place in a sustainable manner. In this context, the research in the collaboration is linked to several of the UN's sustainability goals.

Vision for the Fram Centre

Through research, Norway will have the best possible management of the High North.

Main goal of the Fram Centre

- Contribute with research-based knowledge that makes Norway an outstanding manager of the environment and natural and cultural resources in the High North.
- To be further developed to become an international leading center for management-relevant research on climate and environment in the High North.

Special priority shall be given to areas where the multidisciplinary and interdisciplinary competence of the member institutions provides the greatest added value, and to issues that can contribute to important knowledge for the public administration of the High North. This applies to research in the social sciences, natural sciences and humanities alone or at interfaces with each other.

The research carried out by The Fram Centre collaboration shall provide knowledge of the significant challenges that societal development and environmental challenges require, partly described in public studies, and contribute to Norway having a knowledge base that can form a basis for policy-making in a perspective of 10-30 years. This is necessary to ensure sound management of the High North. In particular, the collaboration will focus on:

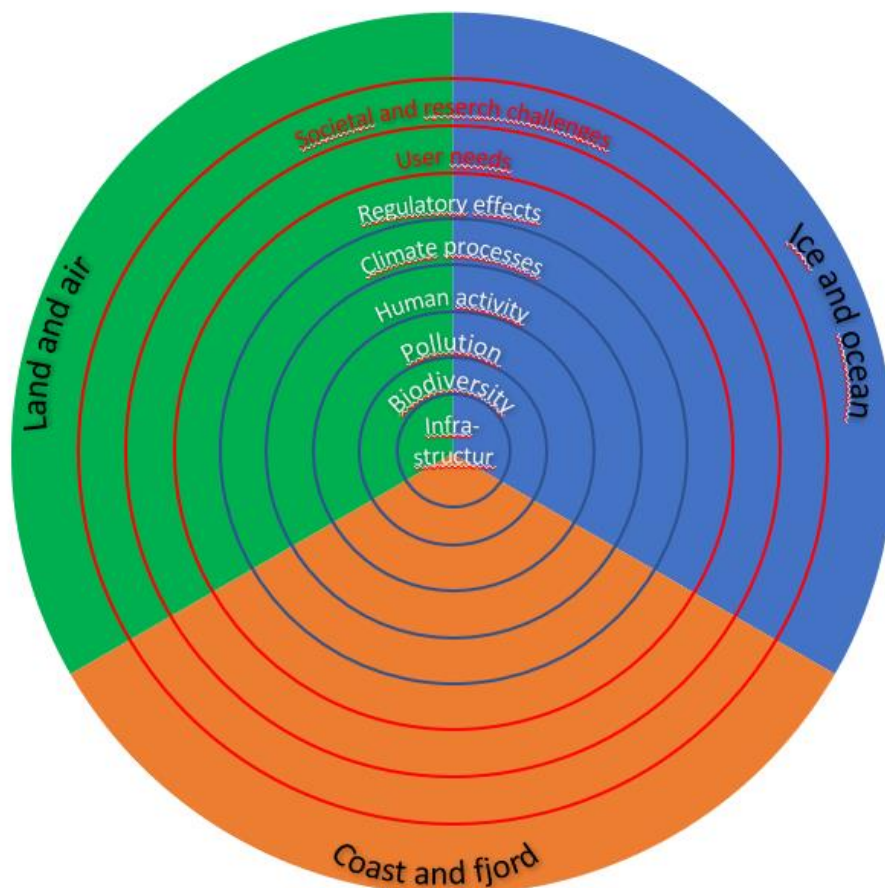
- The effects of climate change on the environment and society. This also includes research in physical, chemical and biological conditions related to air, land and sea.
- Direct and indirect effects of industrial activities, such as pollution, plastic waste, ocean acidification and conflicts in connection with land use.
- Loss of biodiversity and habitats due to human activity and climate change

The co-operation in the Framcenteret shall only cover areas that the individual members are not able to cover alone with their own competence. There must be at least four member institutions actively involved in each of the projects.

In addition to this, the Fram Centre must both be able to address new issues that arise in terms of research and be able to address users' wishes for new research-based knowledge.

Professional areas of collaboration

The research collaboration is organized in three, partly geographically separated areas; ice and sea in the north, fjord and coast as well as land and air. There are clear overlaps between these areas in terms of physical, chemical, biological and societal interactions. At the same time, there are overall effects that play a role in all areas, from climate effects to management models for the administration. These focus areas will ensure that there is a real collaboration in the research between the different areas. The content of the research areas and the development of these will be discussed continuously with the user group of the Fram Centre



Long-term funding must be secured that allows the collaboration to have large, long-term and interdisciplinary research projects within the issues also shown in the figure. The projects within each of the research areas have project periods of 3-5 years.

Interdisciplinary or multidisciplinary within the geographical areas or across the areas is a requirement for the research in the collaboration. The emphasis of the efforts within the different areas and across will vary within the projects that are implemented. The same

applies to the emphasis between science, social research and the humanities within the individual projects.

The research collaboration will show that the Framcenteret has an overall broad competence that produces research that is relevant to the management of the High North and that is important for Norway's international obligations.

Members

The members have complementary competence and shall co-operate in areas where the use of this complementarity is necessary to obtain the best possible result for the management of the High North. The members shall ensure that the collaboration in the Fram Centre is carried out so that the administration's needs are met, both within social research and natural sciences. This is done by:

- Build up and utilize complementary competence.
- Contribute to competence transfer and an overall quality improvement of the R&D activities.

Utilize the institutions' overall contact network for the common good.

- Collaborate, develop and initiate dissemination and communication measures to disseminate the activity in the research collaboration
- Utilize the institutions' resources and infrastructure rationally.
- Develop interdisciplinary / multidisciplinary research, especially at the intersection of natural sciences, social sciences and technology.
- Contribute to development within technology and innovation for sustainable business development.
- Strengthen cooperation between government agencies, the institute sector and the business community.

Infrastructure

The members have a large amount of infrastructure and information collected that is necessary for them to be able to carry out their social tasks. The forward center collaboration shall seek to make the best possible use of these investments and contribute to the development of complementary infrastructure. Parts of the research in the Fram Centre will require a coordinated use of the members' infrastructure. It will be crucial that the information collected by both the members' and the collaboration's infrastructure is openly available and is utilized for research purposes.

Dissemination of research results

The communication at the Fram Centre must be open, accessible and credible. A targeted dissemination of the research results shall be aimed at the following stakeholders: Users of the Progress Center's results, Norwegian decision - makers, relevant research environments at home and abroad, Norwegian and foreign media and the Norwegian public. The communication is based on guidelines in the communication strategy and is led by a dissemination group. The Fram Centre shall contribute to the reuse of research data and to the knowledge being made available for use in international knowledge compilations.

Branding and profiling

A clear message about the center and its activities must be communicated to the general public and users. The Fram Centre is organized as a network of collaborating research institutions, these will be credited in the center's publication and dissemination of project work, research, data, illustrations and other results. At the same time, the Progress Center must always be credited when parts of research are funded through collaboration.

Contribution to education and recruitment

The Framcenteret wants the research to be linked to education and recruitment as much as possible. This may be through the research being used in the member institutions' educational offerings and by including students and recent graduates in the projects.

Governance structure and financing

The steering group consults the members' meeting on which main areas the research will concentrate on over the next 3-5 years. The research content in the main areas is determined after an internal announcement. The research proposals are evaluated both internally and externally. The steering group annually recommends the ministry group, led by the Ministry of Climate and the Environment, which research areas and projects are to be funded.

The funding for the research collaboration comes from the Ministry of Climate and the Environment. In addition to the direct research funding, incentive funds have been set aside to ensure the development of pilot projects for new ideas.

In addition to the funding from the Ministry of Climate and the Environment, the research collaboration with the users will work for long-term additional funding of the research the users need. It is expected that participants in the Fram Centre's research areas will also seek external research funding from national and international actors in order to contribute to increased goal achievement within the initiatives and at the same time increase their network.