

Norwegian Institute for Nature Research

# Annual Report 2017



Cooperation and expertise for a sustainable future

# Norwegian Institute for Nature Research (NINA)

## Cooperation and expertise for a sustainable future

*NINA aims to be recognised nationally and internationally for expertise in applied ecological research. Our priority targets for the period of 2016-2020 are:*

- Conduct science of high scientific quality and integrity
  - Provide knowledge for use in shaping policy, management, and value creation
  - Take an active part in the community by disseminate research results
- Being an attractive and efficient knowledge based enterprise

*NINA's slogan is:*

**"Cooperation and expertise for a sustainable future".**

**The Norwegian Institute for Nature Research**, NINA, is as an independent foundation focusing on environmental research, emphasizing the interaction between human society, natural resources and biodiversity. NINA was established in 1988. The headquarters are located in Trondheim, with branches in Tromsø, Lillehammer, Bergen and Oslo. In addition, NINA owns and runs the aquatic research station for wild fish at Ims in Rogaland and the arctic fox breeding center at Oppdal.

NINA's activities include research, environmental impact assessments, environmental monitoring, counselling and evaluation.

NINA's scientists come from a wide range of disciplinary backgrounds that include biologists, geographers, geneticists, social scientists, sociologists and more. We have a broad-based expertise on the genetic, population, species, ecosystem and landscape level, in terrestrial, freshwater and coastal marine ecosystems.

NINA's main areas of activities:

- Ecosystem/biodiversity
- Sustainable use and harvesting of fish and game stocks
- Environmental monitoring
- Ecosystem services

- Climate change impacts and adaptation
- Environmental impact assessments connected to infrastructure development and land-use changes
- Restoration ecology
- Land use and landscape analysis
- Mapping and monitoring of biodiversity
- Analysis of conflicts related to utilization of natural resources
- Human interactions with their natural environment

Active dialogue and communication is of key importance for NINA's work.

NINA participates in the research centres CIENS (Oslo Centre for Interdisciplinary Environmental and Social Research), The Fram Centre (High North Research Centre for Climate and the Environment), HydroCen (Norwegian Research Centre for Hydropower) and CeBES (Centre for Biodiversity and ecosystem services).

NINA is part of Miljøalliansen, which is a strategic cooperation between the environmental research institutes in Norway.

NINA cooperates with research institutes in more than 30 countries in Europe, Africa, Asia and America.





## Environmental DNA and MS EDNA

Collection of water samples and analysis of environmental DNA (eDNA) is an alternative method for monitoring ecosystems that does not require time consuming field work.

The remote-controlled boat MS EDNA – a new tool for monitoring of biodiversity in aquatic environments. MS EDNA is developed to take representative eDNA samples from lakes in a quick and easy way. By pumping water through a DNA filter mounted on the boat, large lake areas can be covered without moving from place to place along the shore, which can often be difficult to access. It is easy to choose whether we want to take specific samples from certain areas in a lake or an average sample from the lake. Different genetic analyses can afterwards reveal both the species diversity and the relative amounts of each species. Photo: Frode Fossøy, NINA.

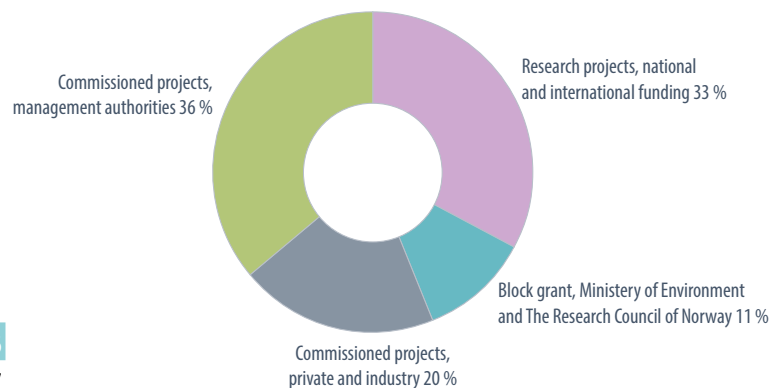
## NINA's key statistics for 2017

| Number of publications              | 2017    | 2016    |
|-------------------------------------|---------|---------|
| Scientific papers                   | 270     | 251     |
| NINA reports                        | 110     | 91      |
| External lectures and presentations | 522     | 529     |
| Media coverage                      | 2949    | 2367    |
| News stories published at nina.no   | 97      | 92      |
| Unique visitors to nina.no website  | 160 028 | 124 920 |

| Number of employees             | 2017   | 2016   |
|---------------------------------|--------|--------|
| Total                           | 255    | 242    |
| - women                         | 34,9 % | 33,9 % |
| - women in scientific positions | 28,8 % | 28 %   |
| - female PhD students           | 57,1 % | 33,3 % |

| Number of employees (full-time equivalents) | 2017 | 2016  |
|---|------|-------|
| Total                                       | 245  | 228,7 |
| - scientific staff                          | 164  | 153,0 |

## NINA's turnover 2017



Total turnover: 38,5 mill. EUR

**www.nina.no**

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