

NTNU University Museum

# Action Plan for Increased Quality in Research

# 2019 2022

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## **NTNU UNIVERSITY MUSEUM'S ACTION PLAN FOR INCREASED QUALITY IN RESEARCH 2019-2022**

The NTNU University Museum has interdisciplinary expertise with an emphasis on natural and cultural history. The scientific collections form the core of our organization. We have high ambitions for our research.

Central to this period will be mobilizing our researchers, prioritizing our initiatives and using our advantages as a university museum with scientific collections and as part of a university with world-leading technological environments.

One of the pillars of our research strategy is to develop talents and outstanding research environments. The award of ERC Grants is one of the instruments that will give the NTNU University Museum a unique opportunity to achieve this development goal.

This action plan specifies goals and measures that will enable the museum to build capacity and raise the quality of research through increased success in external competition arenas for outstanding research. This should provide added value for the museum's entire operation.



# GOAL

## **OVERALL TARGET BY THE END OF 2025**

NTNU has high ambitions for its research and the NTNU University Museum will contribute to fulfilling them. Our research must maintain a high international level and be concentrated around strong professional environments that contribute to the international research front.

In 2025, we will have reached our most ambitious goal, namely that both our departments have professional environments that are at a documented high international level within at least one of their research areas.

## **SUB-TARGETS BY THE END OF 2022**

### **PUBLICATIONS**

Every year, all NTNU University Museum researchers must publish in international peer-reviewed journals, in line with the department's publication plans.

Overall, the museum must have a 50 per cent increase in the number of scientific publications per researcher person-years in relation to the average in the period from 2016-2018.

By 2022, 50 per cent of all scientific articles must be openly accessible from the time of publication.

### **RESEARCH INFRASTRUCTURE**

The NTNU University Museum shall use the museum's and NTNU's profile and expertise as a basis for developing national infrastructures that can be a resource for and facilitate collaboration with Norwegian and international research environments.

## **INTERNATIONAL NETWORKS**

The NTNU University Museum must have a strategic approach to networking and establish long-term cooperation with leading and internationally recognized professional environments. At least two such collaborative relationships must be established at each department during the planning period.

International joint publication levels must reach at least 70 per cent during the period.

The NTNU University Museum will increase the number of visiting researchers with stays of more than four weeks.

The NTNU University Museum will increase the number of research terms with stays abroad.

The NTNU University Museum must ensure that all PhD candidates have a plan for internationalization where stays abroad are prioritized.

## **EXTERNAL COMPETITION**

The NTNU University Museum will offer a stimulating and ambitious working environment where there are arenas for creative discussions that can bring forward ground-breaking research ideas.

The NTNU University Museum will focus on projects that increase the opportunity for good research.

The NTNU University Museum will build capacity and raise the quality of applications submitted to external competition, including those that feature outstanding research. A minimum of 20 per cent of applications submitted to the Research Council of Norway with the museum as project manager should be awarded support.

The NTNU University Museum will increase its participation in the EU's framework programme and participate as a partner in two new consortia during the period.

The NTNU University Museum will submit at least two applications to the ERC by 2022.



# OBJECTIVES AND MEASURES

## PUBLICATION

We will:

**prepare** development plans for research groups and career plans for all academic staff, which also include publication plans.

**facilitate** larger blocks of research time through revising time management and the way work is organized.

**identify** possible bottlenecks in publishing processes and implement measures that can help remove them.

**revise** the academic programme for cultural heritage management so that research and management activities are linked.

**make our research** results available and visible by prioritizing open access to both research publications and datasets.

## RESEARCH INFRASTRUCTURES

We will:

**contribute** to the establishment of a national research infrastructure in the field of cultural heritage which, in the longer term, is linked to European infrastructure cooperation.

**take a central role** in national and international research infrastructures for making biodiversity data available and sharing these data.

## INTERNATIONAL NETWORKS

We will:

**use** NTNU, the Research Council and the EU's instruments for increasing researcher mobility.

**market** our scientific collections and improve our infrastructure for visiting researchers.

**establish** international cooperation through active participation in at least two new platforms, networks or alliances.

## EXTERNAL COMPETITION ARENAS

We will:

**ensure** that researchers have good administrative support in application processes and throughout the project period.

**develop** competence in application writing using external consultants and guidance from colleagues.

**share** information about relevant announcements, courses and seminars and encourage participation in various arenas

**develop** and facilitate ERC applications by identifying research groups with relevant applicants over the short and long term.

## RECRUITMENT AND COMPETENCE

We will:

**clearly communicate** the museum's ambitions for research at a high international level when recruiting for scientific positions.

**contribute to** ensuring that particularly promising younger research talents are given the opportunity to participate in NTNU's Outstanding Academic Fellows Programme.

**establish** a locally adapted «Outstanding Academic Fellows programme» for researchers at the University Museum for the period 2020-2025. The program will facilitate professional development and recognition to qualify some of our most promising researchers, regardless of age, for internationally leading research careers.



Norwegian University of  
Science and Technology

At NTNU – Norwegian University of Science and Technology,  
knowledge is created for a better world and  
solutions that can change everyday life.