

Action Plan for the Scientific Area of Science 2017-2018

RESEARCH AND EDUCATION

- Enhance the regional and national collaboration on research infrastructure
- Evaluate the scientific area's core facilities and decide on continued support
- Create a theory cluster in southern Albano by co-locating operations relating to mathematics, applied mathematics, computer science and theoretical physics
- Secure Nordita's future as an independent research institute
- Plan and decide on NADA's future
- Plan and decide on the future of the Department of Neurochemistry
- Increase the University's involvement in the Swedish e-science Research Centre (SeRC)
- Develop a strategy for the use of MAX IV and ESS
- Enhance and, where necessary, formalise the collaboration with the Swedish Museum of Natural History
- Further develop the field of environmental studies within SciLifeLab
- Further develop the collaboration on climate and Baltic Sea research within BEAM between the University's scientific areas (via the Bolin Centre)
- Strengthen the collaboration (e.g. involving SRC) on environmental science between the University's scientific areas
- Plan and budget for the need of research infrastructure within the departments
- Create an economic buffer within the departments by using sufficient funding for limited-term commitments such as doctoral students and postdocs
- Reduce the capital for research and doctoral studies within departments with a large surplus of such funds
- Expand the range of courses for the continuing professional development of school teachers
- Develop more concrete teaching collaborations between the subject-specific departments and MND
- Follow up and ensure access to practical training sites for students within the subject-teacher programmes and supplementary pedagogy training whose subjects include technology
- Discontinue the Master's Programme in Nutrition and promote KI taking over the programme. Consider the future of the bachelor's program
- Review and plan the training in parts of the environmental sciences and environmental chemistry, particularly in toxicology
- Reintroduce courses in environmental protection and health protection after deciding on a coordinating department
- Monitor the development of doctoral student admissions. Review the system with targeted faculty grants for doctoral studies
- Perform a more in-depth analysis of existing data concerning student completion in the first cycle and implement measures early in the studies
- Identify windows of mobility for outgoing students in different subject areas and start to develop course packages at selected departments
- Strengthen the expertise in the field of digital learning
- Update the plan for resource allocation and prioritisation of education
- Follow up the results of the internationalisation project and develop a model for coordination within the scientific area of Science
- Develop the English-language website, which is aimed at international students
- Develop strategies for international student recruitment
- Identify and act to remove obstacles for international students in the admissions process and during their studies
- Verify that the individual study plans contain the information necessary to ensure that all qualitative targets of doctoral studies can be met
- Verify, through sampling, that doctoral theses published after 1 July 2016 follow Stockholm University's guidelines concerning references to previously published material
- Verify that the course component of doctoral studies in all subject areas, from 1 July 2017, include mandatory components that will ensure broad knowledge within the subject area
- Verify that the course component of doctoral studies in all subject areas, from 1 July 2017 includes a mandatory component that will ensure good knowledge of research ethics and scholarly integrity
- Introduce research ethics and scholarly integrity in the scientific area's supervisor training.

RECRUITMENT AND CONTINUING PROFESSIONAL DEVELOPMENT

- Implement a clear process for promotion to senior lecturer
- Follow up the research funding provided by the departments to newly recruited teachers
- Identify candidates of the underrepresented sex to nominate for Wallenberg Academy Fellowships
- Consider recruiting teachers, particularly women, via ERC Consolidator and Advanced Grants, as well as the Swedish Research Council's consolidation grants.

INTERNATIONAL AND NATIONAL COLLABORATION

- Consider introducing an advisory committee for interaction with the community
- Identify areas where there is interest and opportunity to develop collaborations and partnerships by creating an "Arrhenius platform" for collaboration with industrial partners
- Initiate the Stockholm sustainability forum, a regular environmental meeting aimed at Swedish stakeholders and the general public
- Evaluate the operations at "Vetenskapens Hus" and decide on its future
- Raise the profile of existing interaction with the community
- With help from the External Relations and Communications Office, take stock of existing collaborations with businesses, determine how many patents have been acquired, and find out what start-up companies have been formed at Stockholm University
- Support a dialogue on interaction with the community and capture the core operations' needs for support from the External Relations and Communications Office in the form that currently exists with Appointed Liaison Officers
- Discuss the incentive structure for interaction with the community
- Work to create points of contact between academia and the business community/society
- Increase opportunities for personal mobility, e.g. through co-option
- Explore opportunities for collaboration with Folkuniversitetet
- Work to secure funding for the Bergius Botanic Garden and protect the entrance to the garden
- Find ways to fund existing ambitions, such as the Pan-African Centre for Mathematics (PACM), and continue to fund ongoing collaborations, such as Baltic Eye.

ADMINISTRATION AND OPERATIONAL SUPPORT

- Work to solve the facility problems for ACES, MISU and the chemistry departments
- Coordinate the University's mechanical workshops
- Monitor the scientific area office's ability to maintain high quality
- Ensure that each department has qualified administrative support under the leadership of an administrative manager who should preferably be in charge of personnel.