



Complement to the Strategy for the Faculty of Natural Resources and Agricultural Sciences for the period 2021-2025

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1. New directions

1.1 Systems perspective

- The Faculty intends to strengthen cooperation between disciplines, across organisational boundaries and between areas of operation. (*even found under heading integration of areas of operation*)
- The Faculty intends to improve the ability to deal with issues from a cross- and multidisciplinary perspective.
- The Faculty intends to improve the ability to utilize experiential knowledge among stakeholders in our areas of research and teaching in transdisciplinary collaboration (so-called "co-creation").

- The Faculty intends to help researchers successfully combine their scientific excellence with a subject-matter breadth ("T-shaped competence").
- The Faculty intends to facilitate cooperation between researchers at different departments in the framework of cross- and multidisciplinary initiatives.
- The Faculty intends to stimulate cooperation across faculty and campus boundaries.
- The Faculty intends, through dialogue with the relevant authorities, to develop future environmental monitoring and assessment based on politics, research and society's major future issues.
- The Faculty intends to design academic positions to a greater extent according to society's need for new knowledge.
- The Faculty intends to create opportunities to open new arenas for collaboration and discussion through both bottom-up and top-down processes. *(even found under heading development of collaboration)*

1.2 Green transition

- The Faculty intends to increase the capacity to contribute knowledge to society's transition to a circular and bio-based economy.
- The Faculty intends develop existing collaboration bodies to better address challenges related to the green transition.
- The Faculty follows and implements SLU's environmental policy and sustainability effort, and contributes with a fact-based knowledge base for their development.

1.3 Integration of areas of operation

- The Faculty intends to integrate to a greater extent environmental monitoring and assessment activities with Faculty research and education.
- The Faculty intends to maintain and develop the collection of environmental monitoring data and further refine these in the form of system analyses to provide guidance for policies and society.
- The Faculty intends to better use the matrix structure available in the form of platforms, centres and forums to strengthen the link between science, environmental monitoring and assessment, social sciences and technology,
- The Faculty intends to strengthen cooperation between disciplines, across organisational boundaries and between areas of operation. *(even found under heading systems perspective)*
- The Faculty intends to use national data storage and processing infrastructures to the extent possible.
- The Faculty intends to better integrate research, education and environmental monitoring and assessment.
- Research infrastructure: the management and organisation of SLU's field research stations at Lövsta, Röbbäcksdalen and Lanna must be assessed with

the aim of clarifying the objectives of the operations and improving resource utilization.

- The Faculty intends to develop knowledge and education on the role of digitalisation and automation in agriculture and the sustainable use of natural resources.

1.4 Attitudes, perspectives and values

- The Faculty intends to protect and strengthen an academic approach to sustainability and resilience issues.
- The Faculty intends to promote excellence in research.
- The Faculty intends to strengthen the status of teaching within the Faculty.
- The Faculty intends to promote sustainability and resilience perspectives in education at first, second and third cycle levels.
- The Faculty intends to consider digital competence in teacher recruitment, where justified.
- The Faculty intends to continue to implement and develop its accessibility and e-mail etiquette.
- The Faculty intends to attach greater importance to leadership in teaching in connection with salary setting and recruitment.
- The Faculty supports the ambition to safeguard the quality of the University's processes, and the work to harmonise these in respects that are important for the work of the departments.
- A postgraduate education that provides equal opportunities for all is of great importance to the faculty.

2. Directions within existing areas of operation

2.1 Development of education at first cycle level

- The Faculty intends to actively participate in the development of SLU's programme offering and contribute to SLU's student recruitment effort.
- The Faculty intends to develop the Faculty's education so that they have a higher relevance to both the needs of society and those applying for higher education.
- The Faculty intends to strive for high quality in education by linking, to a greater extent, teaching to research, environmental monitoring and assessment and management of natural resources, so that high quality becomes an attraction factor.
- The Faculty intends to contribute to students in all programmes receiving relevant general and specific competences related to digitalization.
- The Faculty intends to improve teachers' skills in digital technologies.
- The Faculty intends to contribute to the design and establishment of a master's degree in engineering to meet the skills needs of digitalised and automated agriculture.

2.2 Development of research and education at third cycle level

- The Faculty intends to conduct innovative research and research-related education and environmental monitoring and assessment in the Faculty's fields to meet society's challenges.
- The Faculty intends to promote the realisation of digitalisation opportunities in research contexts.
- The Faculty intends to investigate the possibility of an agricultural data lab similar to the forest data lab in Umeå.
- The Faculty intends to promote the use of quality-assured data from both research and environmental monitoring and assessment.
- The Faculty intends to ensure that all of the Faculty's funded infrastructures have good functionality in terms of data management and availability.
- The Faculty intends to become a leading player in the collection and development of digital data in the Faculty's areas.
- The Faculty intends to become a leading player in the collection and development of digital data in cultivation technologies.
- The Faculty intends to boost the financing of subject areas with government grants. Strategies to achieve this may include to reduce the number of subject areas, or to establish new Faculty part-financed, higher academic positions linked to a subject area. This will also result in increased responsibility for the subject areas to carry out certain activities and finance certain infrastructure.
- When a Professor responsible for a subject area resigns or retires, the subject area's focus and existence must be reviewed.
- The Faculty must continue to support the existing infrastructures linked to the Faculty's core areas that are deemed important and that enable research and education that would otherwise be impossible or too costly.
- It is the Faculty's ambition to reintroduce co-financing for externally funded doctoral students.
- The Faculty intends to strengthen competence in key research subjects connected to digitalisation, but awaits SLU's digitalisation policy.

2.3 Development of collaboration

- The Faculty intends to promote greater dissemination of knowledge through research information and the expertise of graduates.
- The Faculty intends to develop strategic cooperation with selected business partners.
- The Faculty intends to create opportunities to open new arenas for collaboration and discussion through both bottom-up and top-down processes. (*even under heading systems perspective*)
- The Faculty intends to realise the potential of the combination of cutting-edge expertise and breadth through increased and targeted activity in strategic collaborations.

2.4 Development of environmental monitoring and assessment

- The Faculty intends to, through investment in method development, drive environmental monitoring forward Fakulteten avser att genom satsningar på metodutveckling driva miljöövervakningen framåt.
- The Faculty intends to develop education to a greater extent according to society's need for expertise.
- The Faculty intends to participate and cooperate with other authorities and actors within the Smart Environmental Information assignment.

3. Digitalisation (items from Focus Area 2 that do not fit under headings above)

- The Faculty intends to promote a critical review of the impact of digitalisation in agriculture and the sustainable use of natural resources.
- The Faculty intends to become a leading player in the collection and development of digital data in the Faculty's areas.
- The Faculty intends to implement sustainable data storage procedures.