

Meeting of the SWG SCAR AKIS Strategic Working Group on Agricultural Knowledge and Innovation Systems

The role of education and training in the EU AKIS

Webinar

20/1/2021

Member State: **Sweden**

SCAR
Standing Committee
on Agricultural Research



Links between Education/Training and the AKIS in SE

- **69 agricultural colleges all over the country, 7 prominent ones are run by Hushållningssällskapet, also the main actor in advisory service gives many young students close connection with advisors**
- **Higher Vocational Education* offered in specific fields where there is an explicit demand for competence (gardening, forestry, horsekeeping etc)**

*post-secondary form of education that combines theoretical and practical studies in close cooperation with employers and industry

Karta

Satellit

Agricultural colleges in Sweden



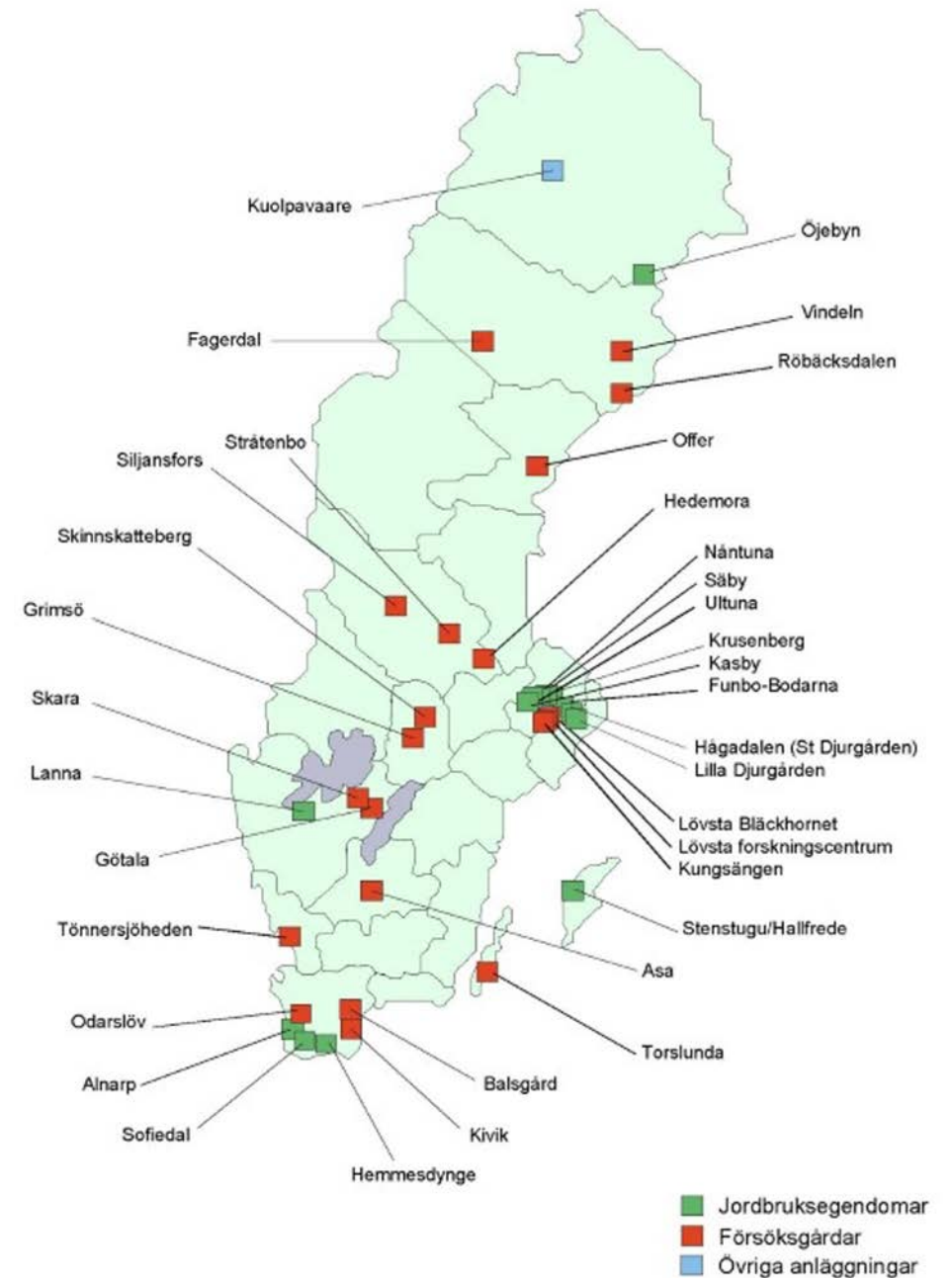
Links between Education/Training and the AKIS in SE

- **Four campuses of Swedish University of Agricultural Sciences (SLU) where research, innovation hubs and higher education meet. Destinated coordinators at SLU links AKIS actors.**
- **Additional facilitations and at other universities connected to forestry, food science, horticulture and agtech, eg University of Linköping that has a special research program for "Agtech 2030", including education designed to link technical experts in industri with agricultural and food knowledge - aiming for innovations.**

Real Estates at the Swedish University of Agricultural Sciences (SLU)

Main locations for research and education:
Uppsala, Alnarp, Umeå and Skara.

Education, research activities and environmental monitoring and assessment are carried out throughout the country.



Other links between Education/Training and the AKIS in SE

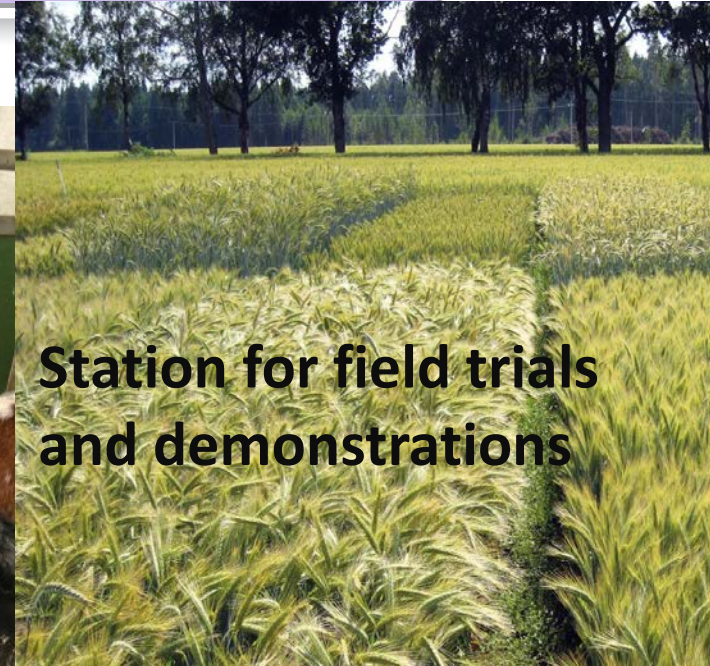
- Specific efforts are done for introductory training in farming/horticulture/forestry for expanded labour supply and higher level of knowledge in practical work - together with AKIS actors
- Periods of practice in many programs for education
- Study trips, projects and events where AKIS actors meet students
- “Agtech challenge” and other competitions attracts students
- Master thesis in cooperation with business, advisors and research
- Doctoral thesis can be performed at a company in collaboration with the university.

Vreta kloster – long term location for development

Nunnery founded 1100 AD



Agricultural college with 560 students



Station for field trials and demonstrations

Cluster for green competence and development – offices and meeting facilities for...



...innovation hub, advisors, agri businesses, organizations and farmers

Research collaboration and infrastructure



What are the priorities of change for the future?

- The national food strategy identified that knowledge and innovation is crucial for the development of the sector, incl. better integration of the education for food systems in the rest of the educational system/society.
- Recent increase in resources for education. Universities shall meet needs for education in society, but also meet the interests from students.
- Recently established a program for “industrial doctors” and ongoing work to reduce the hinders to move between business and research. Ongoing work also to increase the merits for research close to business.
- Gap between research/education and practice needs to be tightened, most urgent in animal production. New knowledge center on the road.

Discussion:

All comments and suggestions very welcome!



**Thank you for your
attention!
and for your active participation
and commitment!**

Report available at:

https://ec.europa.eu/info/news/knowledge-and-innovation-unlocking-potential-food-and-farming-2019-sep-26_en (more paper copies can be asked to Inge.Van-Oost@ec.europa.eu)

