

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: DENMARK

SCAR
Standing Committee
on Agricultural Research



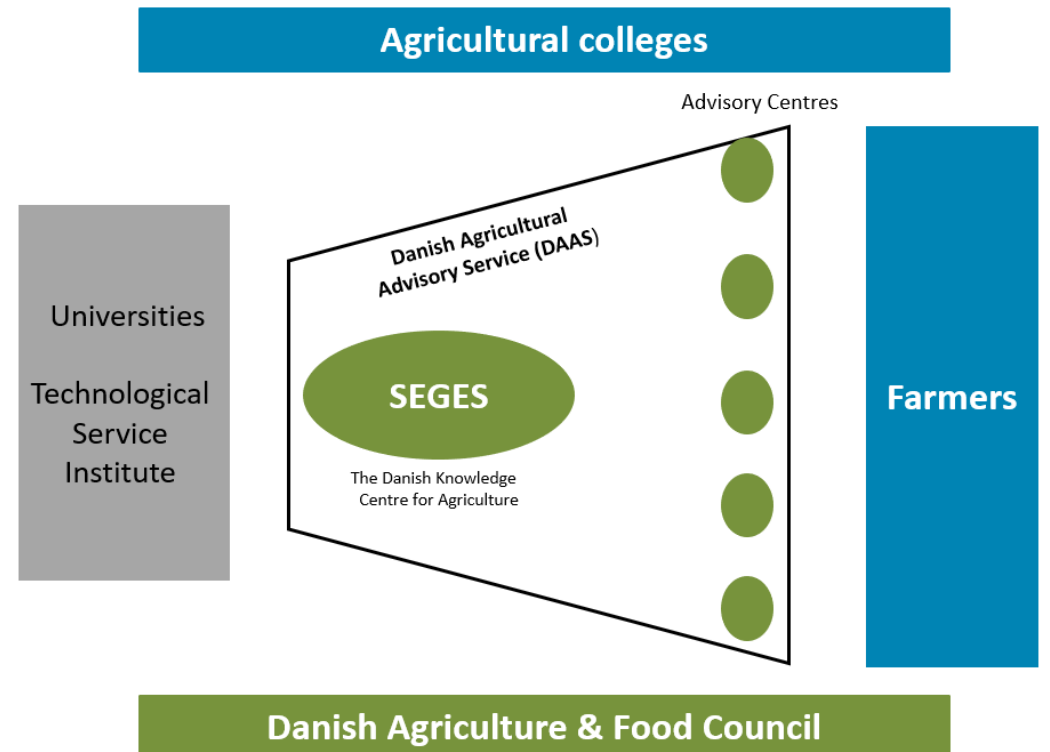
Links between Education/Training and the AKIS in your country at the moment

- The knowledge level among Danish farmers is high due to a very long tradition for attending agricultural educations at the agricultural colleges.
- Vocational education in Denmark must have a professional committee e.g. Agricultural Education responsible for the structure of the education and overall academic content.
- The agricultural colleges have several levels of education within different fields of farming.
- Danish Agricultural Colleges and Danish Agriculture & Food Council have entered a partnership on an Education Vision 2025.



Links between Education/Training and the AKIS in your country at the moment

- There is a cooperation between Agricultural colleges, Danish Agriculture & Food Council, farmers, Danish Agricultural Advisory Service, Universities and Technological Service Institutes.
- The goal of SEGES – The Danish Knowledge Centre for Agriculture – is by research and innovation activities to improve yields and quality, efficiency and transparency, animal health and welfare as well as work environment and financial profitability.
- SEGES' research and innovation activities are carried out in cooperation with universities, advisory centres, public authorities, farmers and commercial business.
- The results of the activities are implemented in education, training, advisory service, technical solutions etc. for the benefit of both current and future farmers.
- Danish Agricultural Colleges have access to SEGES farm management programs and SEGES prepares education materials.



Links between Education/Training and the AKIS in your country at the moment

- Farmers have good opportunities for further education and training
 - Courses, seminars, congresses, field trips, online courses, webinars, e-learning etc.
- The Agricultural colleges and SEGES Academy arrange long-term courses, masterclasses etc. for farmers.
- SEGES arranges professional networks for agricultural teachers.
- Local advisors and SEGES teach in agricultural colleges.
- SEGES offers professional teaching of farmers experience groups.

ONLINE COURSES



Landbrug & Fødevarer



LandbrugsAvisen

Illustrative examples

Pilot projects

- The Danish Agricultural Agency has introduced pilot projects.
- The pilot projects will gain experience in documenting the use of technologies and their administration, as well as collecting documentation for the environmental impact of the individual technologies and methods.
- It is being investigated how the existing regulation can use the new technologies and methods.
- The pilot projects involve authorities, farmers, knowledge centres, advisory service etc.
- The new experiences and solutions will be implemented in Danish agriculture.
- Knowledge centres, advisory service and agricultural colleges will support the implementation of the new knowledge.
- Examples of pilot projects

Precision farming



Landbrug & Fødevarer

Biomasses and catch crops



LandbrugsAvisen

Multifunctional land distribution

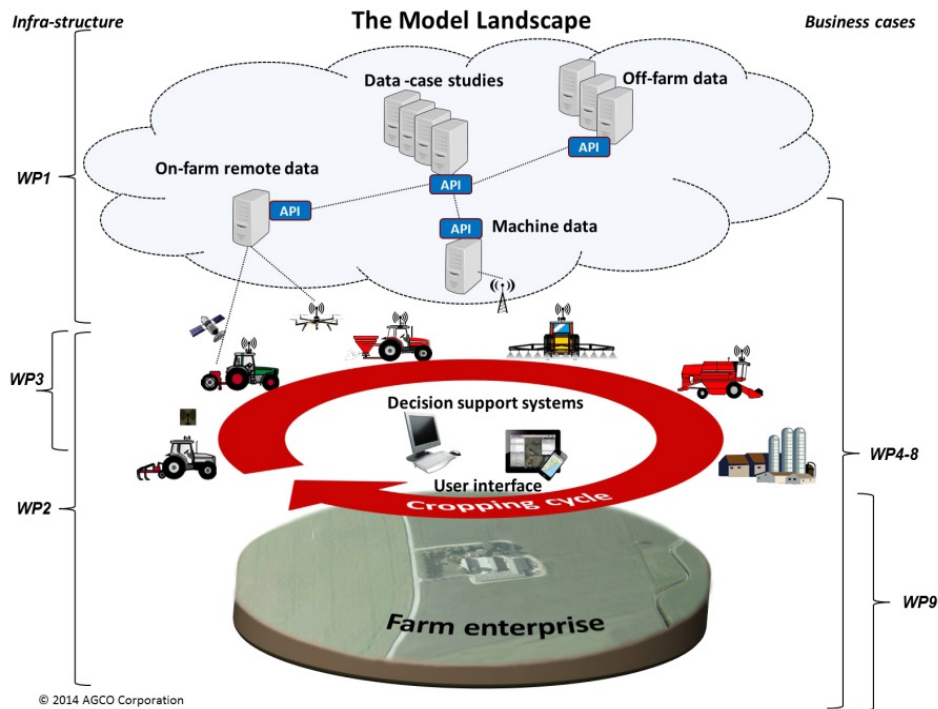


Landbrugsstyrelsen

Illustrative examples

Precision farming – From innovation to implementation

Future Cropping Innovation Project



Precision farming Pilot Project

From innovation to implementation



LandbrugsAvisen

The Danish Agricultural Agency has introduced a pilot project on precision farming. 20 farmers are involved in developing precision farming. The experiences and solutions will be implemented in Danish agriculture e.g. agricultural education and training.

The novelty of *Future Cropping* is the development of a collaborative ICT platform and innovative, intelligent solutions.

What are the priorities of change for the future

- Strengthen collaboration between universities, knowledge centres, advisory service, agricultural colleges and the authorities.
- The Danish Agriculture & Food Council's sector strategies 2021-2023 focus on attracting, developing and retaining employees in agriculture. Specific education and training initiatives will be developed.
- Strengthen the overall capacity of agriculture by having an increased focus on innovation and implementation of new solutions both at agricultural colleges and at farm level.
- Increased focus on sustainability and climate in education of farmers.



The Danish food industry has launched a vision to be climate neutral by 2050, while sustaining or even increasing food production.

- Increased focus on producing more with less – and achieving economically and environmentally sustainable production.
- Applying the latest knowledge dissemination methods - there must be access to knowledge now and here!

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)

