

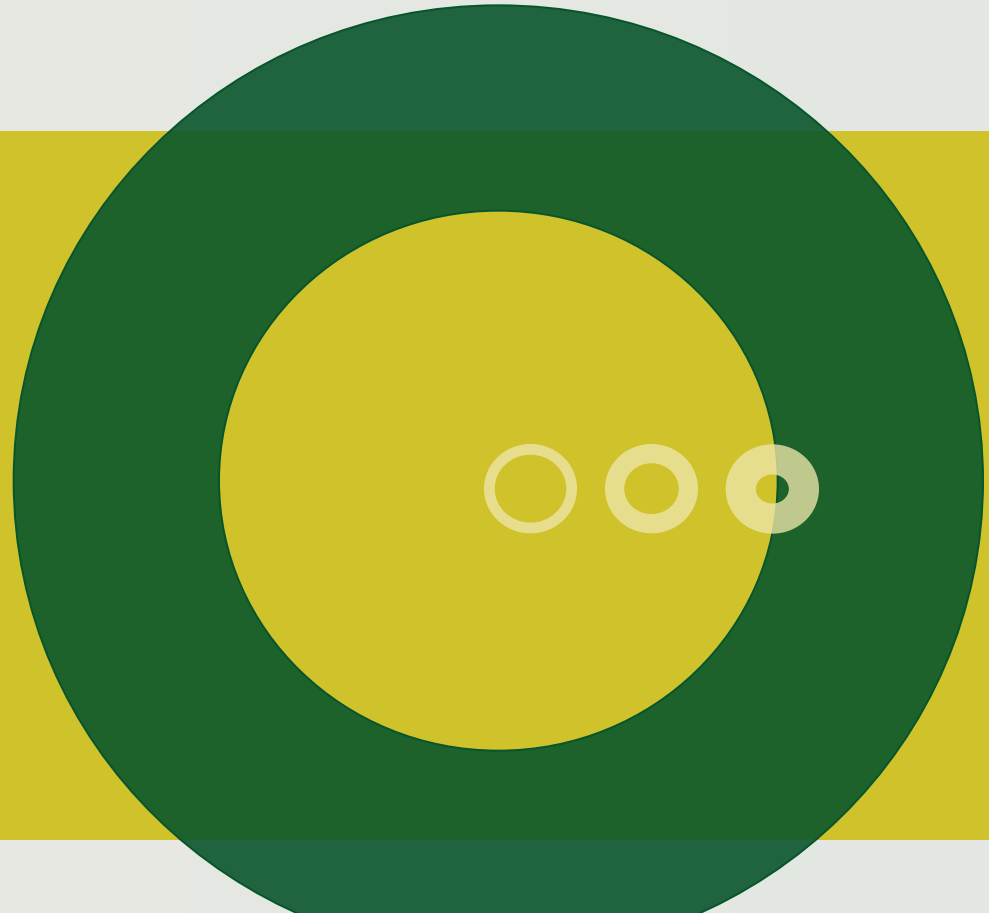


KNOWLEDGE CENTRE FOR AGRICULTURE



The Danish approach

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To begin with the end...



***The Danish approach
to boost innovation
benefitting
the farming sector and water***

Go cluster!

Danish Agricultural Advisory Service

- Partnership
- Knowledge Centre for Agriculture
- 31 regional advisory companies
- 3.600 employees
- 50.000 customers within agriculture, vegetables, fruit and other trades
- Turnover approx. EUR 310 million



Our products and tasks

Theory ↔ Practice

- General and specialised advice
- Transfer of knowledge
- Innovation/ Development
- Research, trials and demonstration
- Education, training and courses
- Operation and maintenance of ongoing tasks

AGRO FOOD» »PARK®

Cluster of knowledge
and competences for
food and agriculture

Knowledge Centre for Agriculture
500 knowledge employees

AgroTech
80 knowledge employees

Subsidiaries
100 knowledge employees

Koldkaergaard
Conference Centre



What is Agro Food Park ?



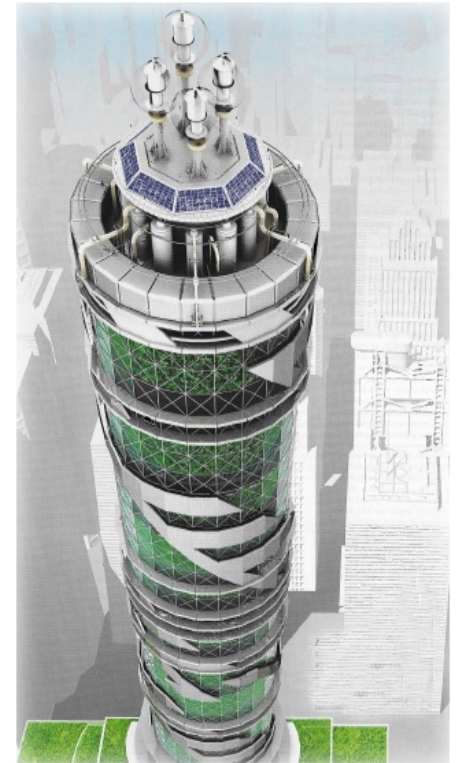
- An international centre of excellence for innovation of and information about agriculture and food – an axis towards health
- A new framework for the capacities of innovation in the entire value chain in Danish agriculture and food sector
- A centre for utilisation of knowledge well fit in with political efforts to turn Denmark into a Green Growth Laboratory

Vision



By 2020 Agro Food Park is **one of five world leading centres** of excellence for utilisation of knowledge and innovation within agriculture and food, with a specific focus on health.

By 2020 Agro Food Park has about 3.000 employees.

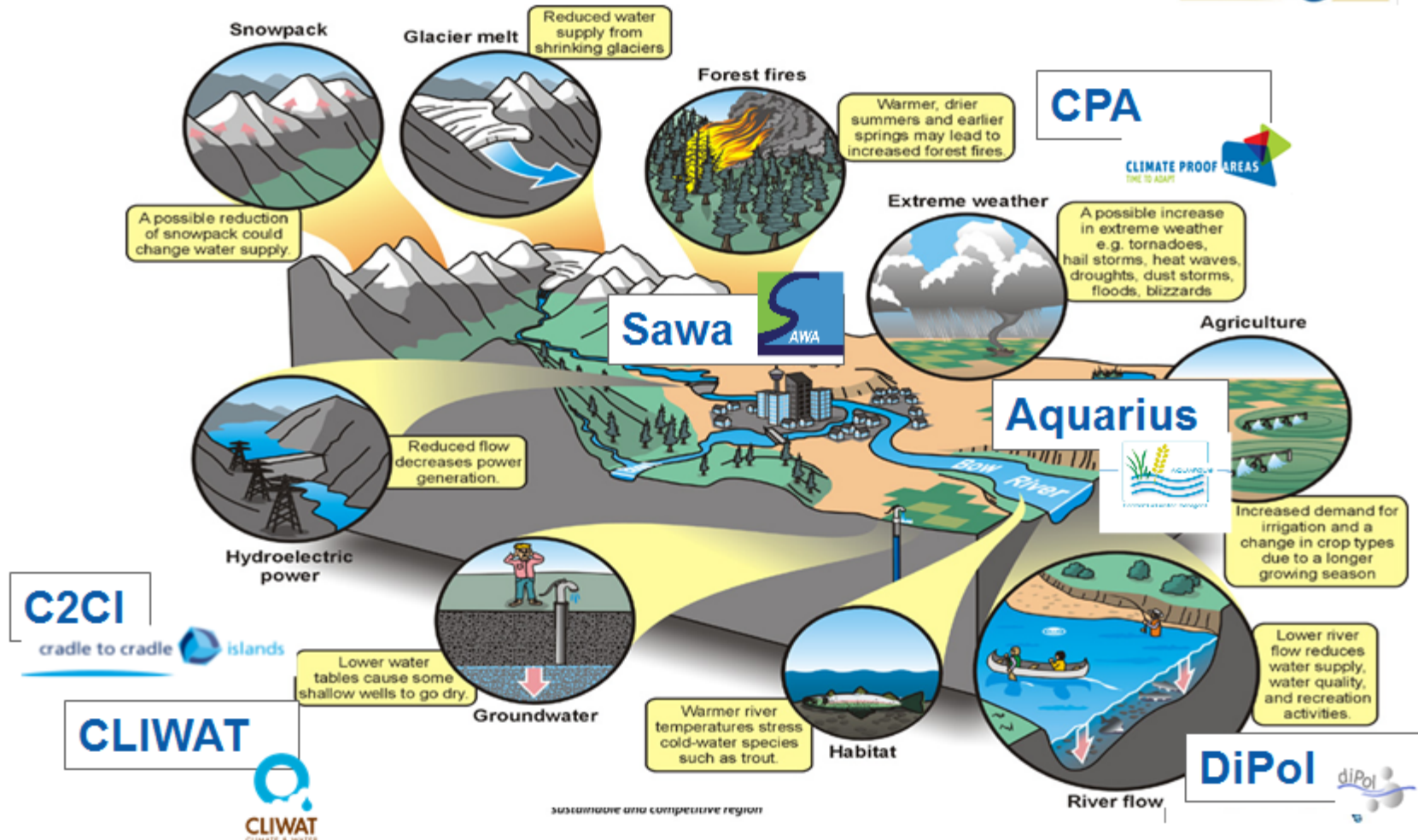


WaterCAP – for WOW!

Back ground - Hydrological cycle is linked



Back ground - Integrated knowledge

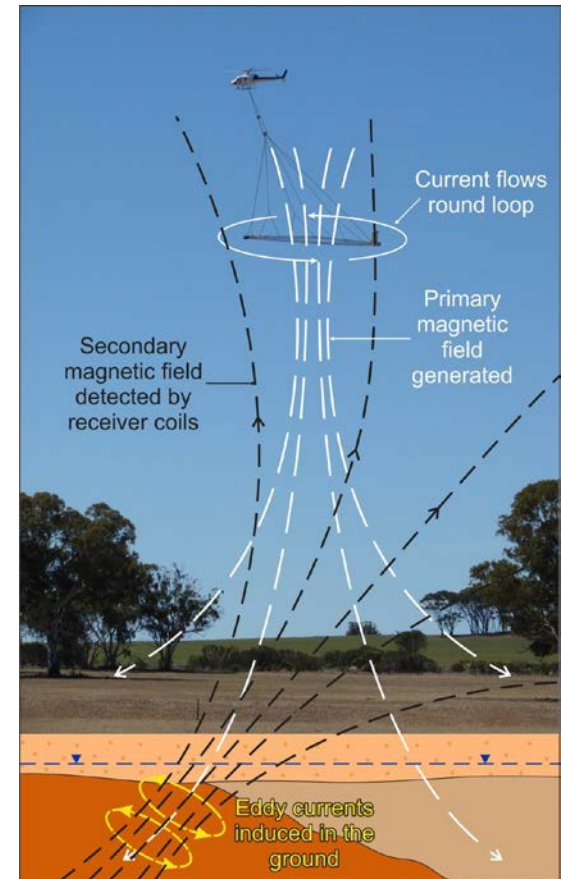


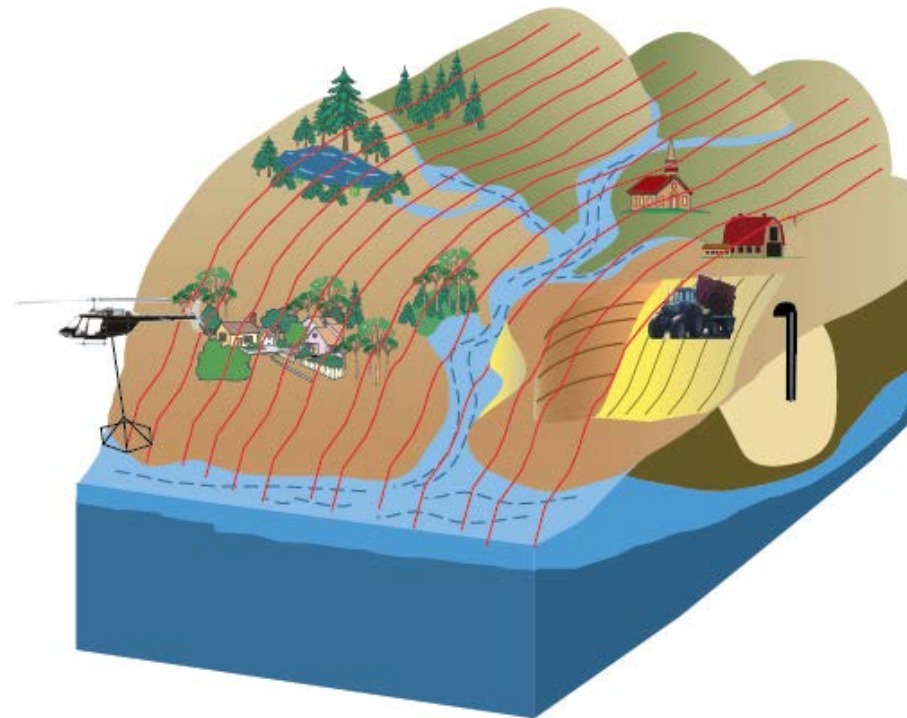
Approaches to water quality and quantity management -Innovative approaches, methods and lessons learned



Airborne Transient Electromagnetics

- How does SkyTEM work?
- Current is sent into the ground through a big frame below the helicopter.
- A receiver coil on the frame measures how freely the soil can conduct the current providing an image of the soil
Sand = resistive
Clay = conductive





Hot topics

- Job creation
- Economy
- Barriers for implementation
- Strengthening communication



The mobile separator
 - technology that can improve biogas production and reduce the environmental impact of farming



Separation of slurry makes sure 80 % of the phosphorus and 20 % of the nitrogen is to be found in the separation solids



Innovative environmental facts

- If the solids is sent to a biogas company and thereafter to crop farms, it can be avoided to over fertilise
 - which otherwise would end up in the nature causing eutrophication in the water environment

Innovative environmental facts

- The separation liquids is significantly better to fertilise the crops with
 - almost all of the nitrogen is in on ammonium form
 - i.e. easy for the plants to absorb, and the thin texture means that it seeps into the soil faster, which again means a limited evaporation of ammonia plus limited odour in connection to the spreading
- WIN-WIN (and nothing in the wind)

On the road again...





Look around - it is all there!

- We just have to believe others have also seen the light 😊
 - **Bring in the ingredients**
 - **Compose a tasteful meal**
 - **And serve**

The solutions that gives energy for the future!

The ingredients are

- Cross disciplinary
- Cross sectoral
- Cross national
- Cross fit

The Danish Knowledge Center for Agriculture is ready to hang on the cluster



Thanks for your attention