

# Innovations in Climate Change Adaptation and Water Management

North Sea Region

[www.watercap.eu](http://www.watercap.eu)

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# North Sea Region



European Union The European Regional Development Fund

**The Interreg IVB  
North Sea Region  
Programme**

*Investing in the future by working together  
for a sustainable and competitive region*



Transnational cooperation on spatial development 2007 - 2013 (INTERREG IV B)



# WaterCAP cluster project



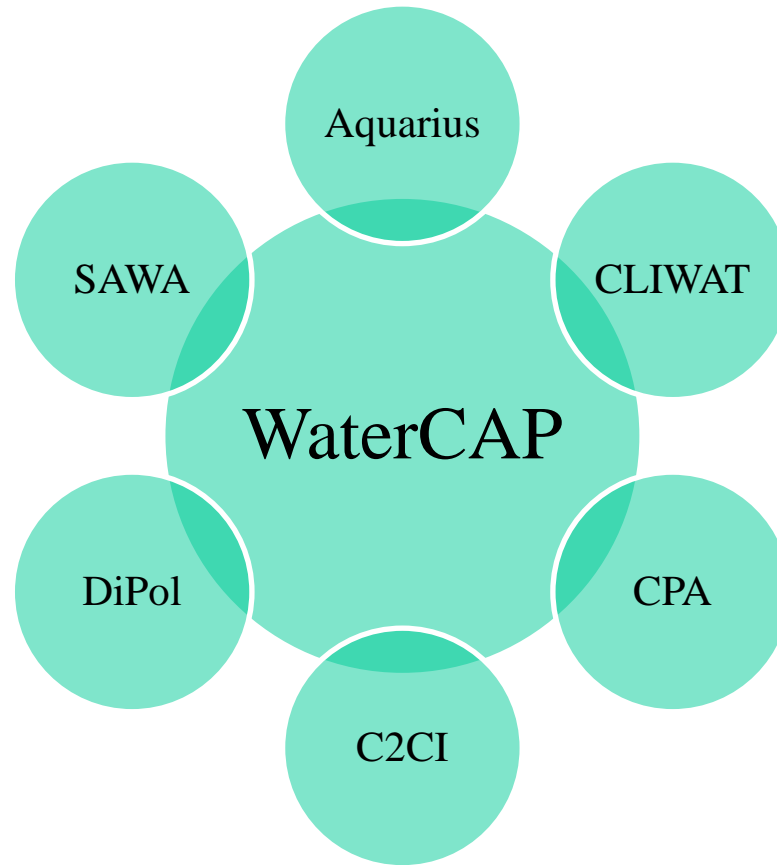
- Cluster six projects
- All related to water and CC
- Aim:
  - Learn and find synergies
  - Approach Commission in Brussels
  - Give recommendations to InterReg VB
  - Mobile Transnational Taskforce; Expert team solving problems on location



ONE STEP BEYOND IMPLEMENTATION  
OF CLIMATE ADAPTATION INNOVATIONS  
EXPERIENCES FROM THE INTERREG IVB PROJECT WATERCAP

# WaterCAP cluster:

WaterCAP extracts main findings from 6 EU NSR projects for EU policy makers and EU MS.

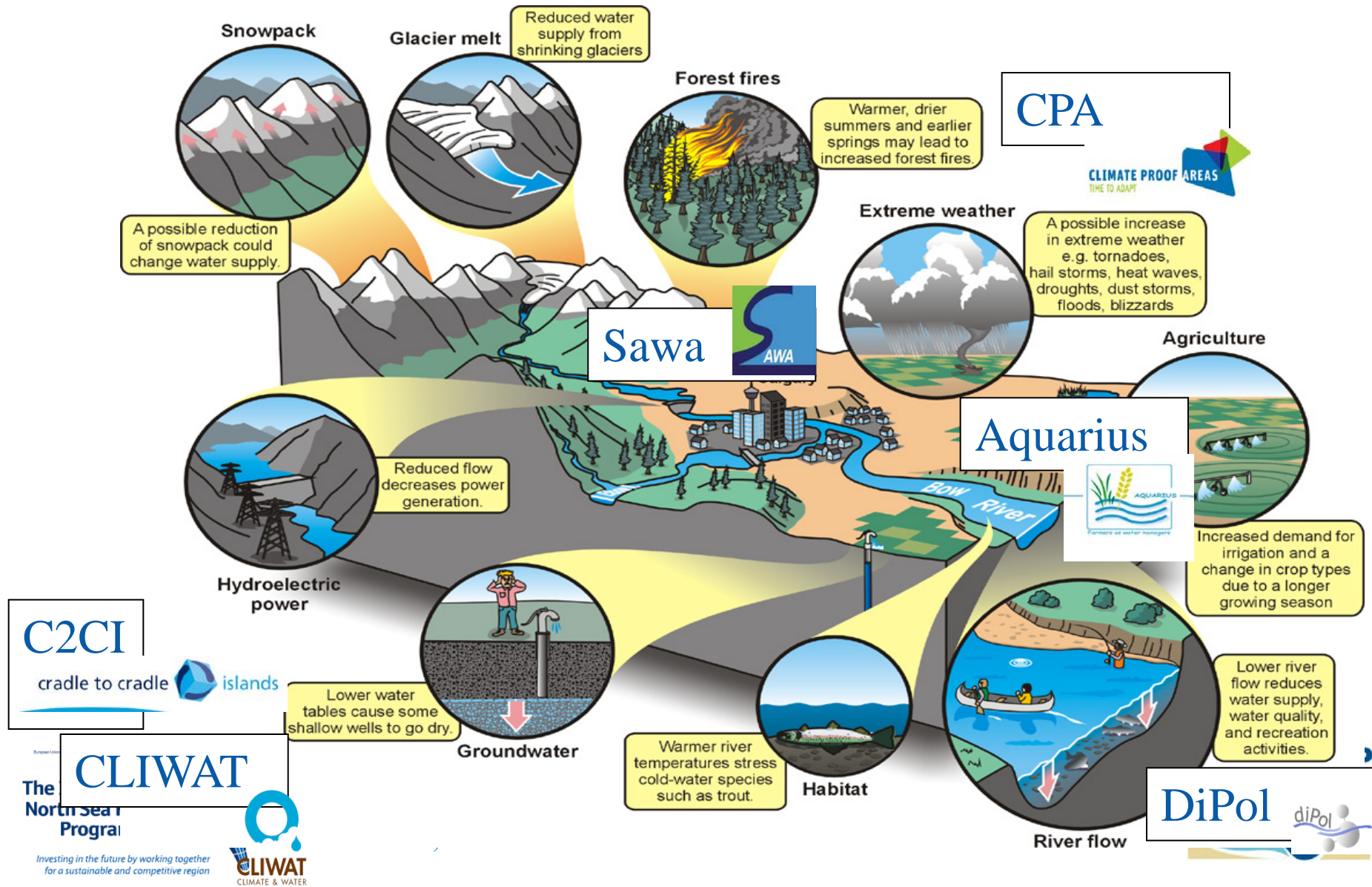


Access to all  
project websites  
via:

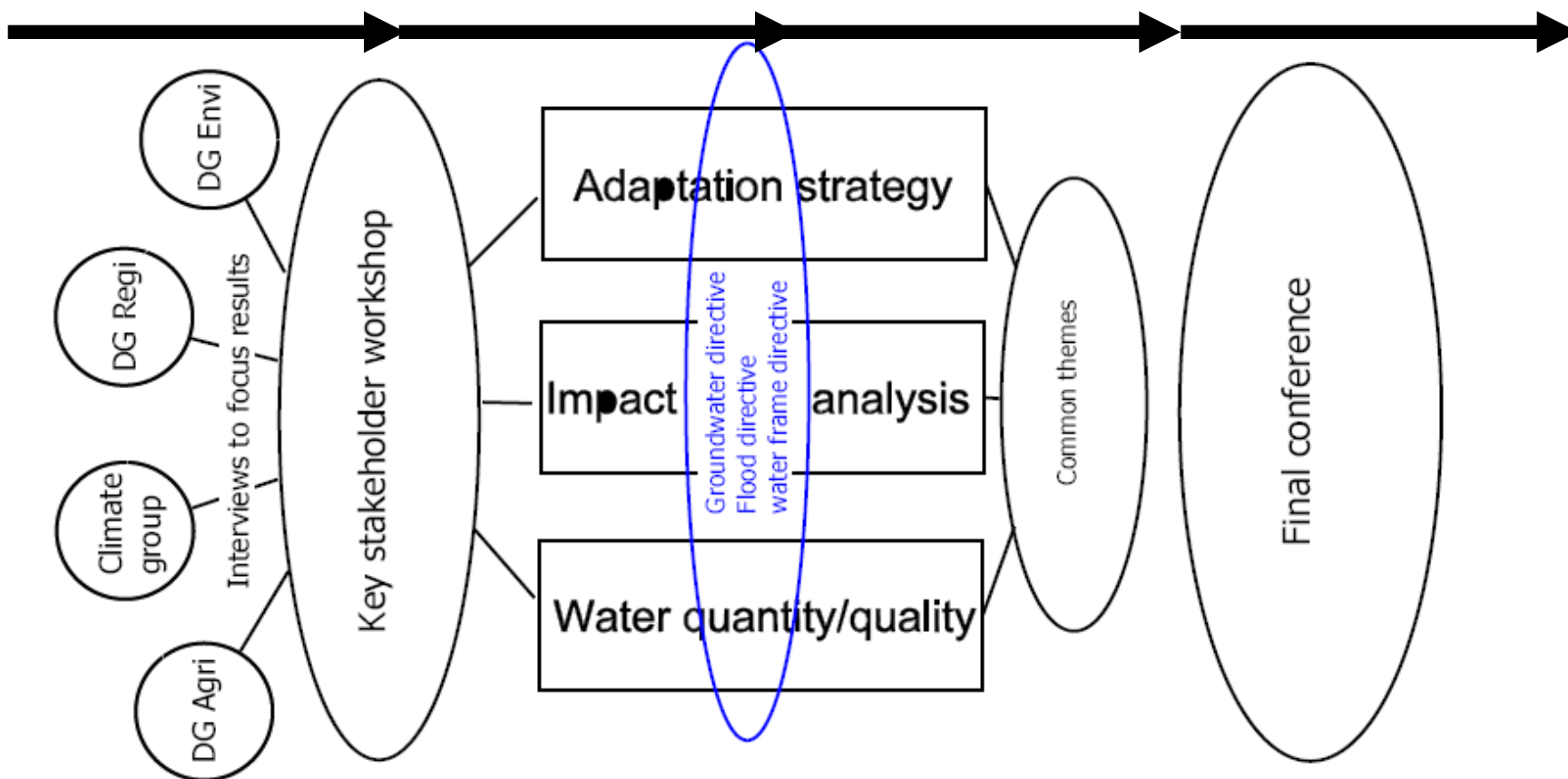
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# Back ground - Integrated knowledge



# Activities in the WaterCAP project



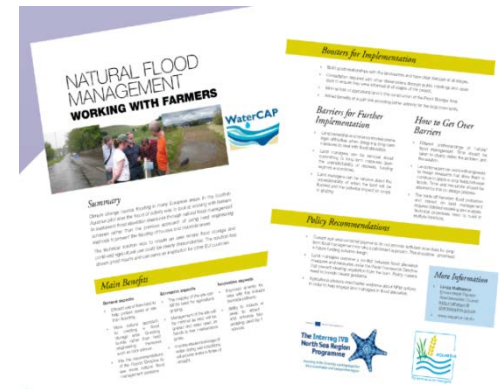
# Key results

- Overview of Climate adaptation in NSR-
  - synthesis report
- Wow stories
- Network in DG's in Brussels



# WOW stories

- Land owners as water managers
- Water sensing decision system: An answer to drought
- Growing Coasts: Building with Nature to prevent flooded areas
- SkyTEM: Sampling geodata
- Constructed Wetlands: A win-win solution!





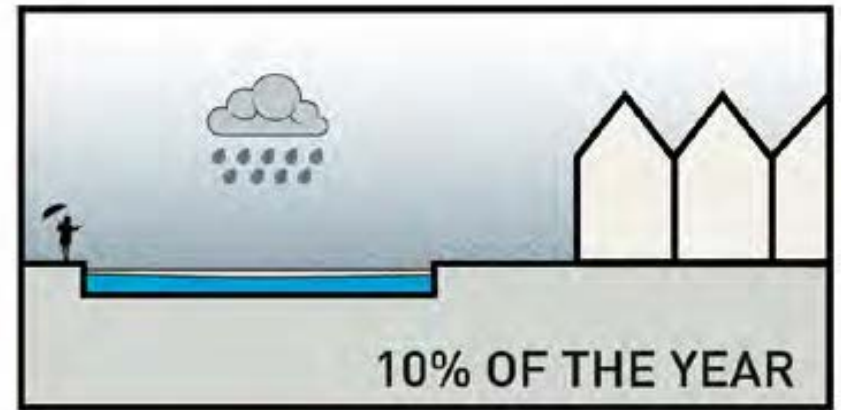
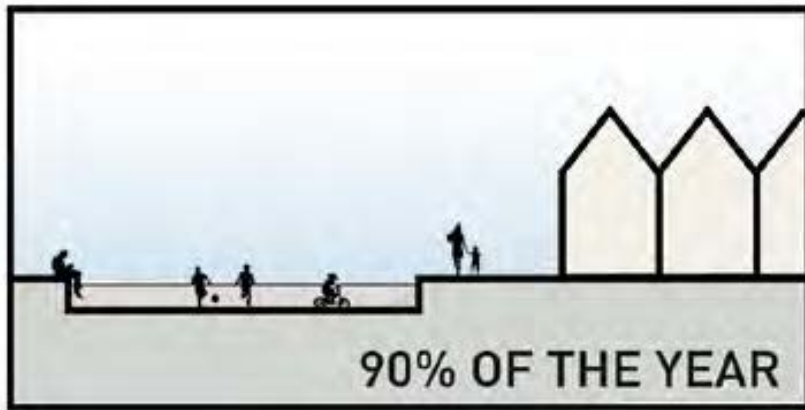
# SAWA/BaltCIKA: Living with water in Hamburg

Paradigm Shift:  
Living with Water!

**HCU** | HafenCity Universität  
Hamburg



# Multifunctional urban spaces





# Aquarius: Win-Win - solutions!

## For the environment, farmers and society



### Constructed Wetlands



Water Framework Directive  
Good Status of water and ecosystems:

Other:

- Recreation
- Hunting
- Biomass production
- Landscape values

### Water storage-irrigation



### Buffering floods along rivers

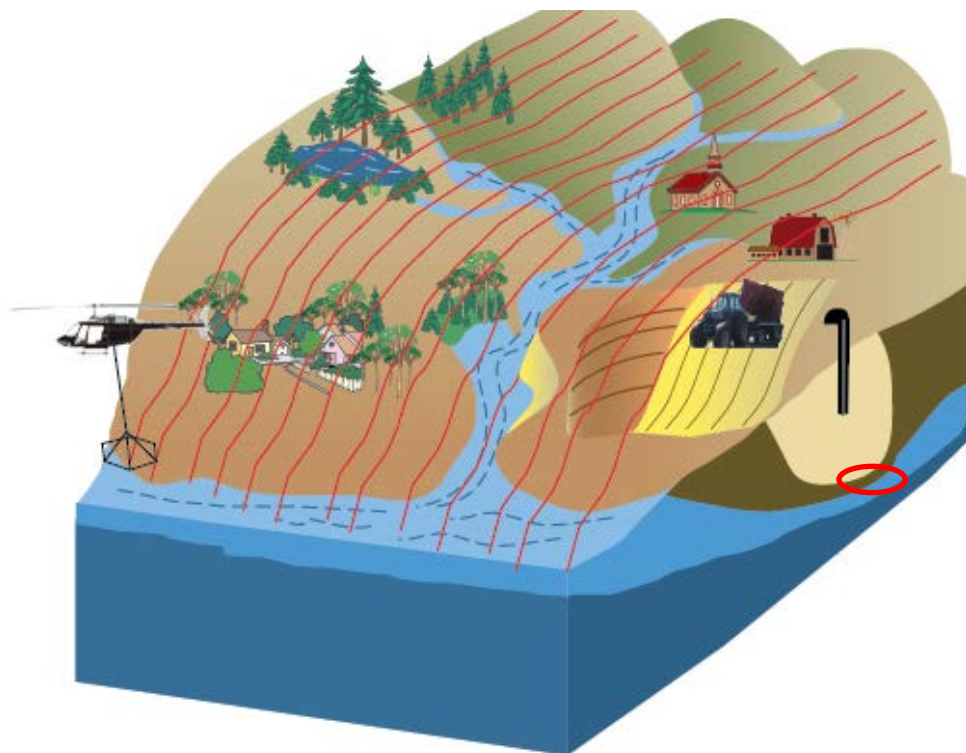


CLIWAT: Protecting groundwater quantitative  
and chemical status in a changing climate

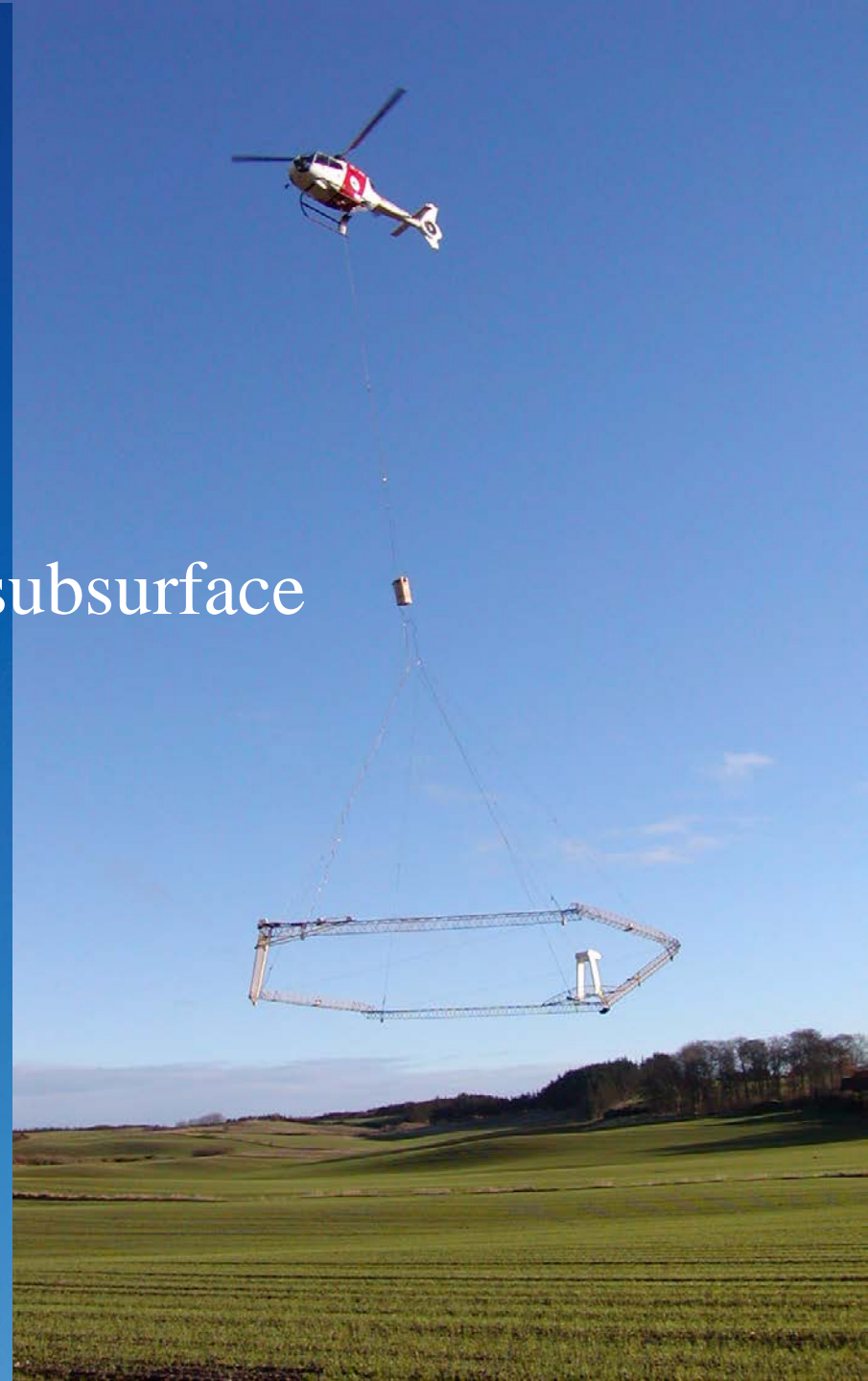
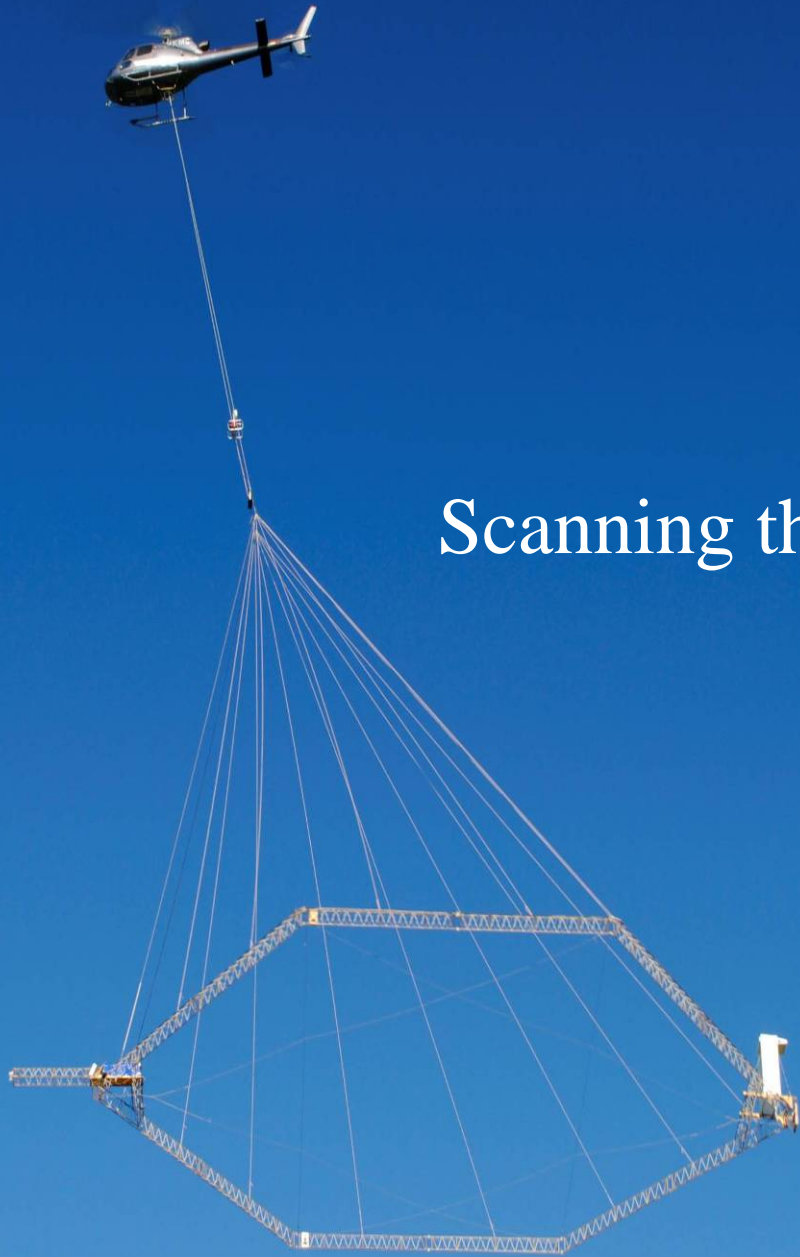


SkyTEM – a breakthrough  
technology - A Tool for mapping the salt-  
freshwater interface in groundwater  
systems

# NORTH EUROPEAN RESPONSE TO DROUGHT



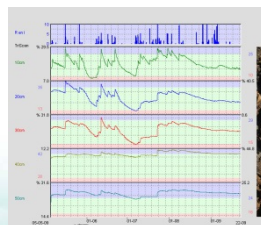
# Scanning the subsurface



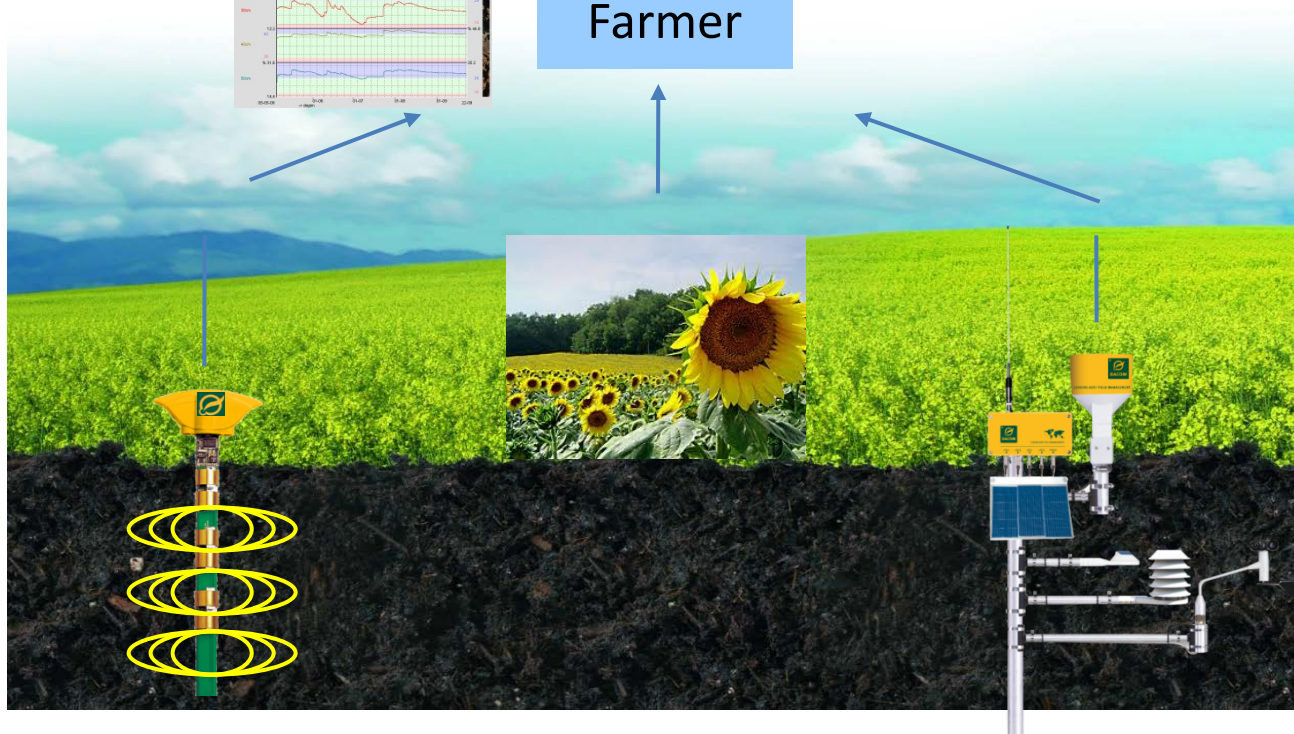




# Irrigation



Farmer





# Learning WaterCAP Taskforce

- Built on the multi beneficial agenda:
  - Do not only creat value for nature but also:
    - Economy
    - Job creation
    - Innovation

**Now we are ready to come out on location  
and make it work!**

