

# Farmers as part of the solution



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European Union

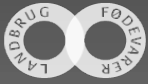


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KNOWLEDGE CENTRE FOR AGRICULTURE

# Putting knowledge to work



PARTNER IN  
**DLBR**

# The Knowledge Centre for Agriculture is part of Agro Food Park

Ambition: by 2020 Agro Food Park will:

- be among the world's five strongest innovation clusters within the agriculture and food sector
- employ 3,000 specialists working in 40-50 companies





## Knowledge Centre activities are

- Cultivation of the soil
- Animal welfare, health and breeding
- Business finance, tax and law
- Food quality and safety
- Building and work environment
- IT in farming
- Environment, nature and bioenergy
- Nature conservation
- Organic farming
- Rural development
- Advisory service abroad

# Farmers are the primary managers of rural areas



- 💧 The countryside extends often right up to the very start of the city
- 💧 Farmers are main actors in the use of water and their production having an effect on the climate
- > Farmers play a vital role in the water management in the countryside but also in the peri- and urban areas
- > Think the farmers in, even when we have to solve water or climate related problems *within* the cities (E.G. we can stop water on the countryside so it doesn't reach the city and cause problems within this)

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💧 So the *farmers* both having  
*farming problems* because of  
the water and climate  
changes and *being the*  
*solution to the problems*

# Farming problems



- 💧 Flooding or droughts ("too much or too little")
- 💧 Limiting factor for fertilization due to nitrogen and phosphorus (that might come due to flooding of the sewage system and wastewater is being washed out in streams etc.)
- 💧 Limiting factor for the use of pesticides ("too bad")
- 💧 Restrictions on field boundaries (buffer zones related to water bodies)
- 💧 Change in suitable crops and threatening pests due to climate change

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# Farmers part of the solution



- 💧 Farming with water - the farmer as water managers
- 💧 Less use of water, pesticides, phosphorus and nitrogen
- 💧 Constructions of wetlands and water bassins etc.
- 💧 Catchment based cooperation

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# All KCA'ers are dealing with water and climate



- 💧 - as the whole Knowledge Center is dealing with farming
- 💧 But the department Plant production including Nature, Environment and Landscape are assuring the integration of the water and climate aspect

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# KCA tools, instruments and methods



- 💧 Provider of technical and management solutions
- 💧 Wetlands, buffer zones, miscanthus, change of production etc.

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# KCA tools, instruments and methods



## 💧 Involvement

- 💧 Of the ones who are to change their behavior (the farmers) to make them implement the solutions.
- 💧 In close cooperation with the authorities and NGO'es.
- 💧 Local water boards
- 💧 Advising

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# KCA Networks



- 💧 DLBR
- 💧 Wire action group under the EIP-Water
- 💧 Copa-Cogega
- 💧 Different international rural network, facilitating water boards

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# What KCA wants



- 💧 More and new measures to deal with water and climate problems
  - 💧 - in close cooperation with the farmers, scientists and authorities

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# More specifically what KCA wants



- Demonstrations to farmers and the authorities on how to deal with the farming problems
  - technical, legal and administrative different ways to do the management and the WFD interpretation – incl. how to get around national legal barriers
  - dealing with both quantity and quality of water

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# More specifically what KCA wants



- 💧 How do you see that we can make the farmer a water manager with both a business and solutions to the surroundings?
  - 💧 Our own example is mischantus

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# You mean the world to us😊



## 💧 Thanks for listening



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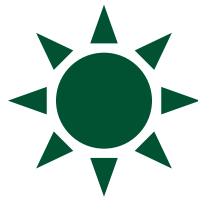
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