



## Copa and Cogeca

### DDG on Environment and Climate

How smart farming can improve environmental and climatic performance of the farming sector

# What do you understand under smart farming?

- Development is constant, like the challenges
- Human factor is catalyst to real world decision making at farm level
- The right time, at the right rate, and the right place

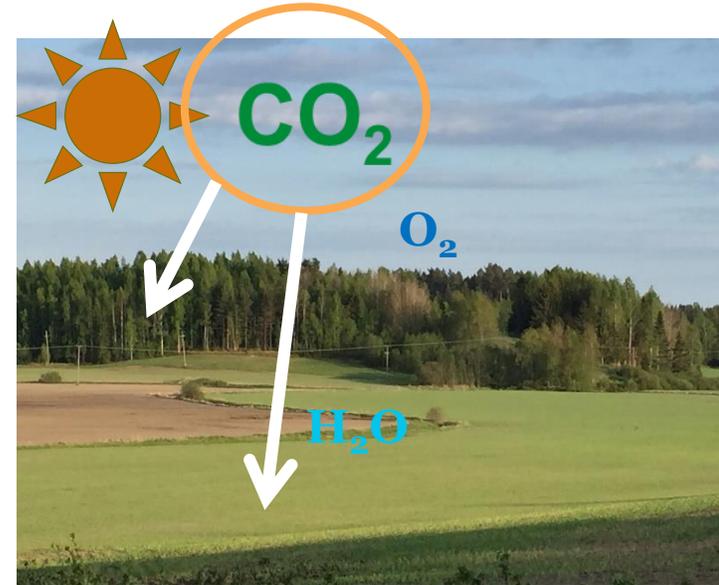
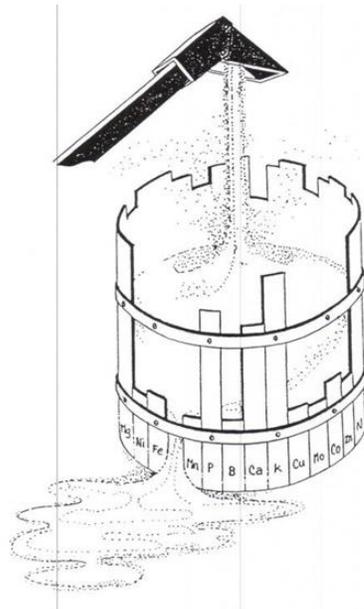
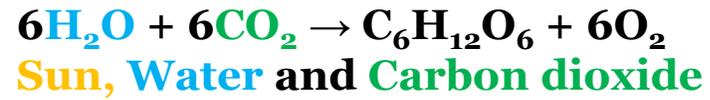


# What is the potential of smart farming for improving environmental performance and overall sustainability?

- Improvements in emissions intensities are possible on a case by case scenario
- Better resource use means increase of productivity - a win win situation
- Technologies (carbon sequestration, soil management plans, carbon auditing, etc.) should be affordable and visible in the national registries
- Remote sensing in tandem with boots on the ground

# Carbon capture for biomass

## 1. Need for **photosynthesis** with all other essential nutrients



**BIOMASS= Carbohydrates with & Nutrients**  
**BIOMASS= FOOD, FEED & FIBER**

## What is the timeline to expect for these benefits?

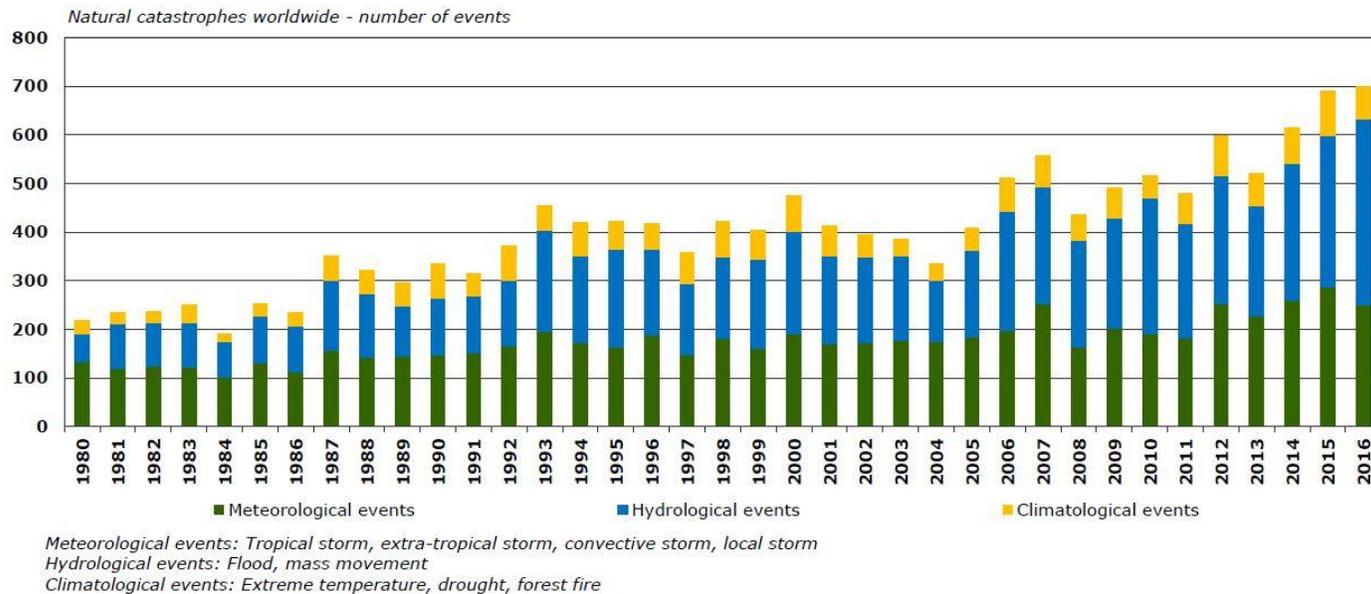
- Nature needs time to respond – time lag
- Soil needs time to build up SOM, same for other resource efficiency questions (water, biodiversity, etc.)
- Research and commercialisation of suggested solutions for reducing emissions is underway
- Agriculture will have to follow a different path towards a low carbon future

# What are the most important obstacle to unlock the full potential?

- Food production and environmental and climate protection should work in tandem
- The farmer remains at the heart of all this transformation
- Better resource use means increase of productivity - a win win situation
- Technologies (carbon sequestration, soil management, carbon auditing, etc.) should be affordable and visible in the national registries
- Remote sensing in tandem with boots on the ground
- Data ownership from farmers

# How to make it work for all farmers, regardless their size or type of farm?

- All farmers are subject to risks
- Synergies addressing productivity and a number of climate/market risks
- Future projections of pressure from climate change



Source: © 2017 Münchener Rückversicherungs-Gesellschaft, Geo Risks Research, NatCatSERVICE (January 2017)

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- Better resource use means increase of productivity - a win win situation
- Technologies (carbon sequestration, soil management plans, carbon auditing, etc.) should be affordable and visible in the national registries)
- Remote sensing in tandem with boots on the ground
- Climate change and food security and food security are global challenges

Farming is an old but not old fashioned profession!



Thank you for  
your attention!