

Digitalisering i et EU-perspektiv

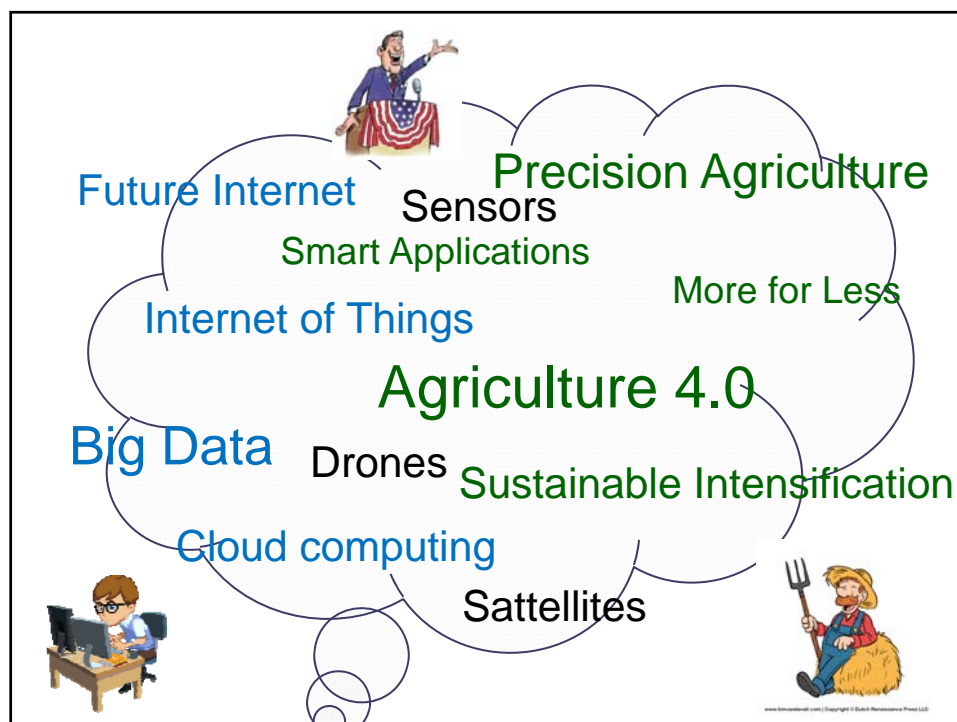
Digitalisering av lantbruget, Alnarp, 6 Februar 2017

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ict-agri.eu





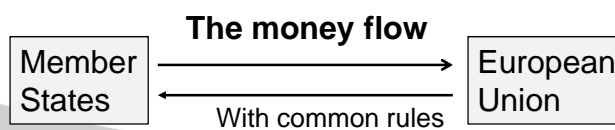
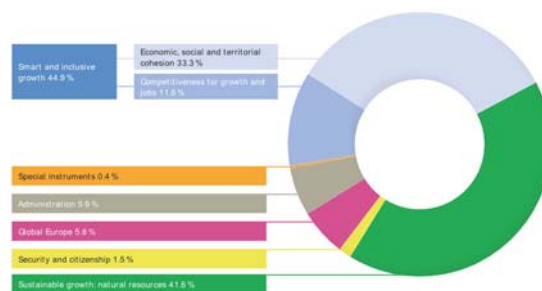
Overview

- European Union
 - A few facts, agricultural policy, ICT
- ICT-AGRI EU funded era-net (my work)
 - Activities
 - Agricultural ICT projects
 - Business models for Ag ICT companies
 - ICT-AGRI funding of projects
- Invitation for collaboration



EU budget in 2014

Total: €143 billion ~ 1% of EU GDP





Common Agricultural Policy - CAP

Priorities 1962 - 2020

- Securing food supply for the European population
- Securing rural populations
- Manage surplus food production
- Protect the environment
- Sustainable intensification for world food supply

Subsidies are used to enforce policy.

The CAP has produced standardised and open cadastral and crop data.





European Research & Innovation

- 90% National funding
- 10% EU funding
 - Horizon 2020 program: €10 billion
 - Research & Innovation projects
 - Collaboration projects

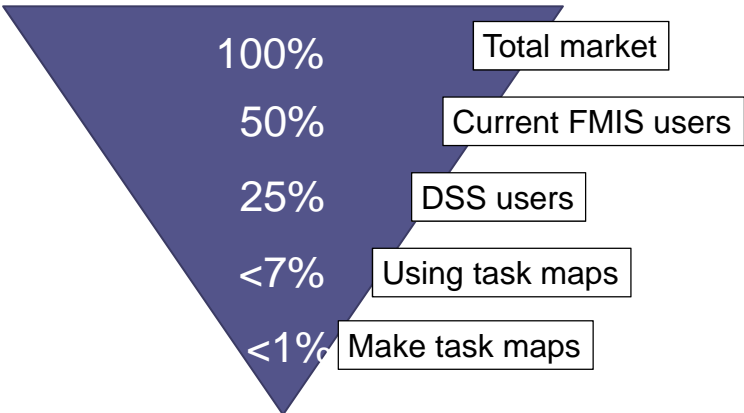


Precision Agriculture

- Cornerstone in EU policy for Sustainable Intensification
- Current uptake by farmers is very low
- Technology seems to be far ahead of
 - Complete and user-friendly solutions for farmers
 - Scientifically based knowledge on how to react on high resolution data
 - Cost-benefit of PA investments






Precision Agriculture usage by farmers



Usage Category	Percentage
Total market	100%
Current FMIS users	50%
DSS users	25%
Using task maps	<7%
Make task maps	<1%

AgroVision, The Netherlands



Support for Precision Agriculture

- European Innovation Partnership for Sustainable Agriculture (EIP-AGRI)
 - Bottom-up approach in EU member states
- Future Internet Partnership (€500 million)
 - Ready-to-use technology for SMEs
 - Four accelerator projects for Smart Applications for agriculture
- Pilot project on IoT in agriculture (€30 million)
- National R&D programs in several countries



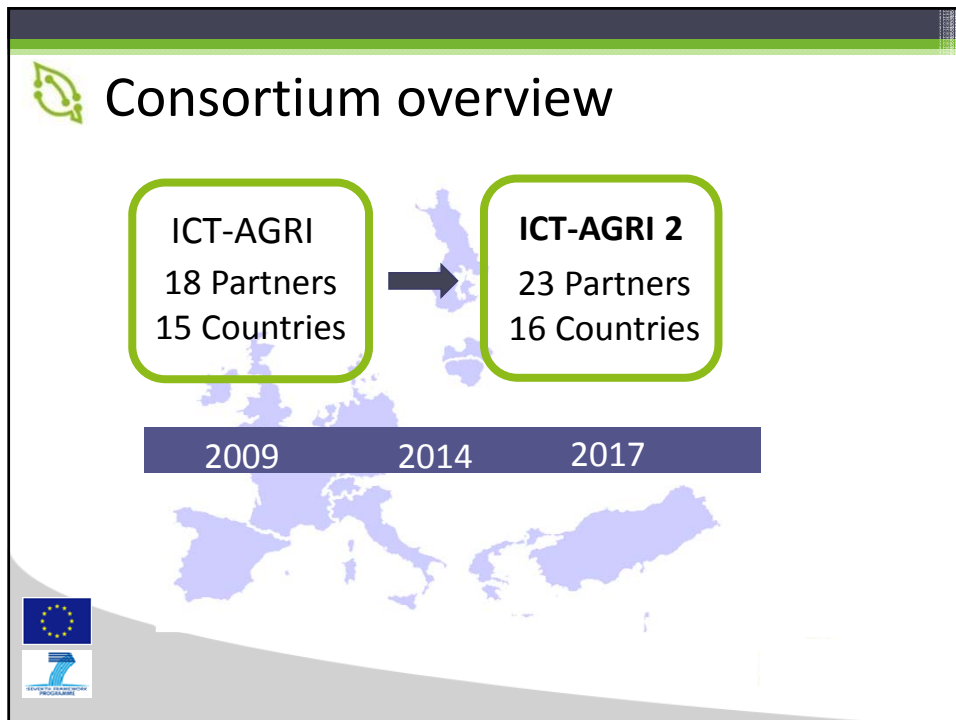
European **R**esearch Area - **NET**work

Information and Communication Technology
and Robotics for Sustainable Agriculture

ICT-AGRI-1 2009 – 2014

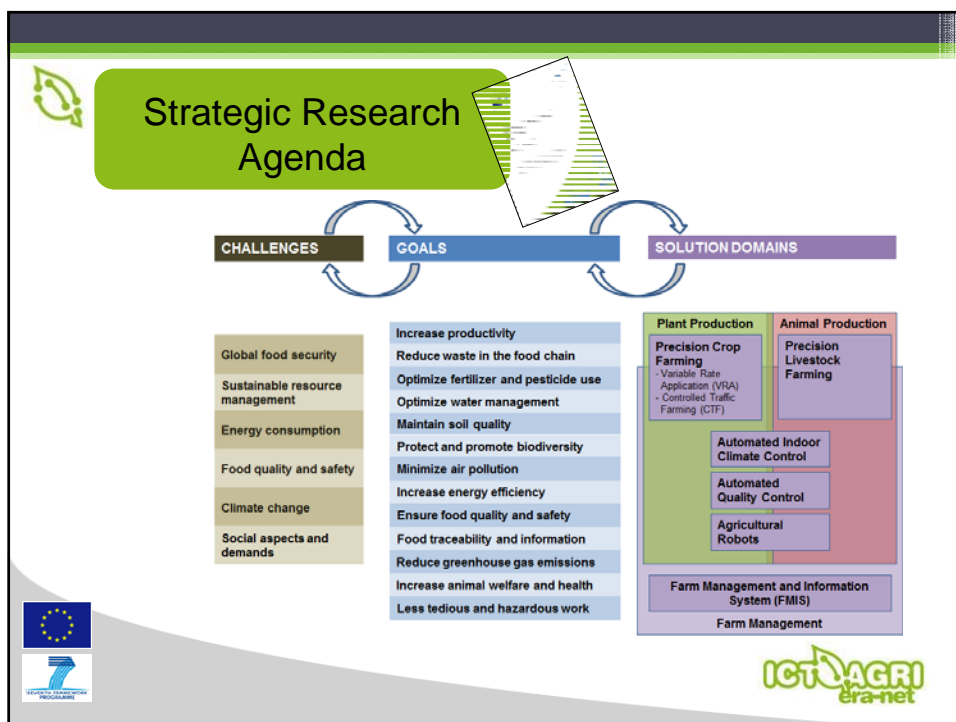
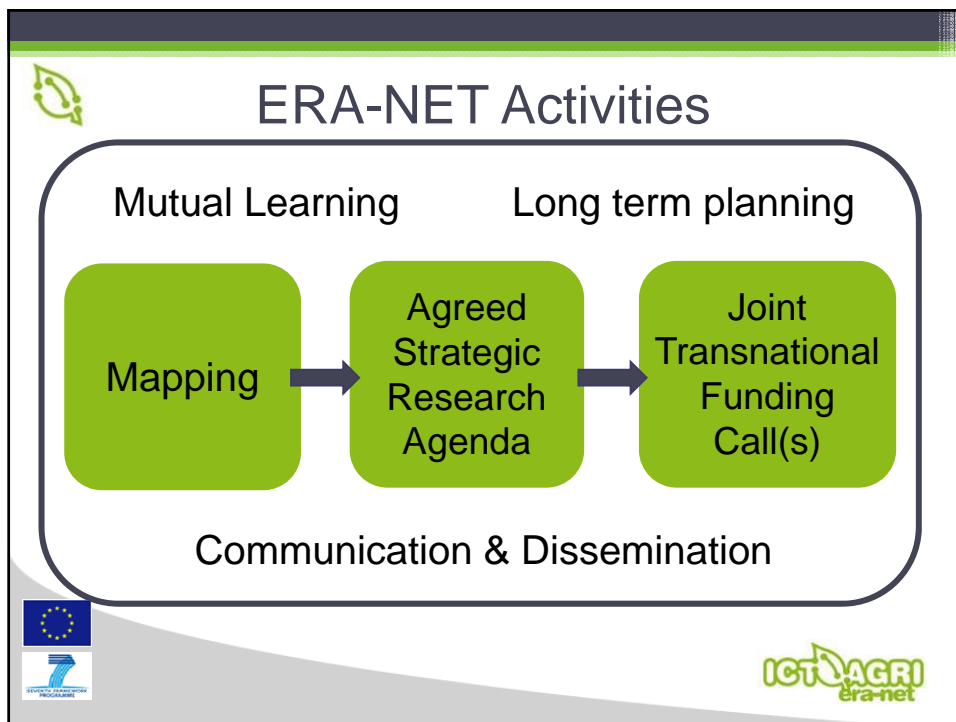
ICT-AGRI-2 2014 – 2017

ICT-AGRI-3 ??



ICT-AGRI's mission

**Contribute to
European collaboration
within ICT and robotics
for a sustainable agriculture**





Calls for transnational projects

Funded and managed by National Funding Agencies

2010 Integrated ICT and automation for sustainable agriculture (7)

2012 ICT and automation for a greener agriculture (8)

2014 Applications for smart agriculture (with SmartAgriFood) (9)

2015 Enabling Precision Farming (8)

2017 Farm Management Systems for Precision Farming

Open for international collaboration in new call in 2017



Call 2017 Topics

1. Agricultural research on use of sensor data for decision support

Rules and algorithms for the analysis of sensor data and the output of actionable recommendations

2. Development of applications for Precision Farming

Import of data from sensors, rules or algorithms for analysis of data and planning of actions, export to automated machinery

3. Cases of integration of third-party applications with Farm Management Systems

Concrete integration of a third-party application in a Farm Management System.





Sweden in ICT-AGRI Call 2017?

- Public and private enterprises can join proposal with own funding
- Funding agencies can join with funding to national partners
 - Allow funded projects to be partners
 - Fund by Letter of Support
- Find information at ict-agri.eu
- Find partners at ict-agri.eu



ICT-AGRI-3

- Proposal for “ICT-enabled agri-food systems” in H2020 Work Programme.
- Core challenges of the agrifood sector
 - food and nutrition security
 - climate change and environmental impact
 - social, economic and environmental sustainability.
- ERA-NET Cofund
 - €33m from member states and third countries
 - €10m from EU
 - 30% private funding
 - €61m new funding to this area



More information from our website:
ict-agri.eu



Thank you for your attention

