

Smart Mitigation of GHG Emissions from Livestock production

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Introduction of ICT-AGRI ERA-NET



ict-agri.eu





European Research Area - **NET**work

Information and Communication Technology
and Robotics for Sustainable Agriculture

ICT-AGRI-1 2009 – 2014

ICT-AGRI-2 2014 – 2018

ICT-AGRI-3 2019- (ICT-enabled agri-
food systems”)?



Future Internet

Sensors

Precision Agriculture

Smart Applications

More for Less

Internet of Things

Agriculture 4.0

Big Data

Drones

Sustainable Intensification

Cloud computing

Satellites



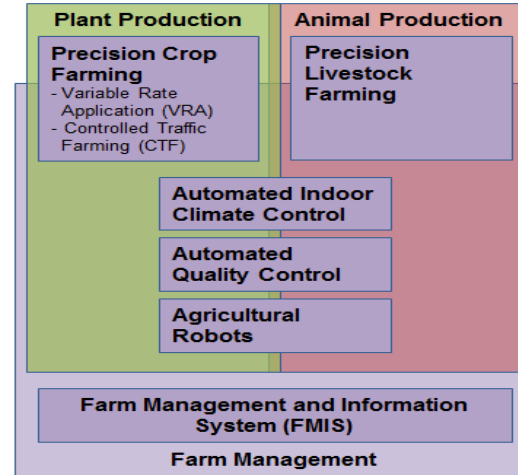


Strategic Research Agenda



Global food security
Sustainable resource management
Energy consumption
Food quality and safety
Climate change
Social aspects and demands

Increase productivity
Reduce waste in the food chain
Optimize fertilizer and pesticide use
Optimize water management
Maintain soil quality
Protect and promote biodiversity
Minimize air pollution
Increase energy efficiency
Ensure food quality and safety
Food traceability and information
Reduce greenhouse gas emissions
Increase animal welfare and health
Less tedious and hazardous work





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)
- 2018 Smart Mitigation of GHG Emissions (6) ?**





Activities in 2018

- We will work with all relevant initiatives
- We will map the digitalisation of the European agri-food space
- We will outline trends of digitalisation in the agri-food system
- We will will prepare for further food system approach in line with FOOD2030 and prepare a new ERA-NET in 2019
- We will look at the digitalisation in agro-food system in view of the SDG's and the Paris Agreement
- **We will work for a joint call together with the ERA-NETs SusAn and ERAGAS**
- We will give evidence based input to policies (CAP; Climate; Energy)
- We will work with partners outside Europe (IBF)
- We will update our Strategic Research and Innovation Agenda





Thank you for your attention

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