



Subgroup on Innovation for agricultural productivity and sustainability

14th Meeting

14 June 2019

#RNSubInnovation - @EIPAGRI_SP

Subgroup on Innovation for agricultural productivity and sustainability

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- 9:00 – 9:30 Welcome and introduction – DG AGRI
- 9:30 – 10:20 Session I “Shaping the work of the EIP-AGRI network for 2020 – Cluster 1 & 2”
- Overview of proposals organised in cluster 1
 - Group discussion
- 10:20 – 10:50 Coffee break
- 10:50 – 12:00 Session I: Continuation**
- **Overview of proposals organised in cluster 2**
 - Group discussion
- 12:00 – 12:30 Session I: Reporting
- 12:30 – 13:30 Lunch break
- 13:30 – 14:00 Session II “Ongoing activities”
- Key messages from the workshop ‘Cropping for the future’
 - Information about the Agri-Innovation Summit 2019
 - Self-assessment of the European Rural Networks – edition 2019
 - Information on the EU survey on Precision Farming Technologies



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- 14:00 – 15:10 Session III “Shaping the work of the EIP-AGRI network for 2020 – Cluster 3 & 4”
- Overview of proposals organised in cluster 3
 - Group discussion
- 15:10 – 15:40 Coffee break
- 15:40 – 16:30 Session III: Continuation
- Overview of proposals organised in cluster 4
 - Group discussion
- 16:30 – 17:00 Session III: Reporting
- 17:00 Conclusions and closing



Ideas for the EIP-AGRI programme 2020

Cluster 2: Sustainable management of natural resources

Sub cluster	Related past & upcoming EIP-AGRI activities	Related H2020 Projects
<p>2.1 Ecosystem services:</p> <p>Remuneration of ecosystem services</p>	<p>FG5: Soil organic matter content in Mediterranean regions</p> <p>FG7: High Nature Value – Farming profitability</p> <p>FG9: Profitability of permanent grassland</p> <p>FG11: Optimising profitability of crop production through Ecological Focus Areas</p> <p>FG15: water and agriculture</p> <p>FG 17 Benchmarking farm performance</p> <p>WS 2017: WS Tools for environmental farm performance</p>	<ul style="list-style-type: none"> • PEGASUS • PROVIDE • projects FACCE-JPI BiodivERsA ERANET call 2013-14: • BASIL: Landscape-scale biodiversity and ecosystem services. • BEEHOPE: Honeybee Conservation centres in Western Europe • CP³: Civil-Public-Private-Partnerships for biodiversity and ecosystem services delivery in agricultural landscapes. • Eco-serve: multiple ecosystem services in agricultural landscapes. • ECODEAL: Enhancing biodiversity-based ecosystem services to crops • Ecofruit: ecosystem services for fruit production • PromESSinG: ecosystem services in grapes. • STACCATO: SusTaining AgriCultural ChAnge Through ecological engineering and Optimal use of natural resources • TALE: synergies between biodiversity and ecosystem services. • VineDivers: Biodiversity-based ecosystem services in vineyards

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<p>2.2 Wildlife and farming:</p> <p>Combining wild animals, reindeer, large carnivores and agriculture, measures to prevent damage to farm level.</p>	<p>(2015: WS Interactive workshop on biosecurity in the EU)</p>	

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<p>2.3 Climate change & farming:</p> <ul style="list-style-type: none"> Strategies to mitigate the impacts of extreme climatic events on farms (horticulture and fruit growing) Carbon Neutrality - contributions from agricultural production Reduce the impacts of desertification in agriculture systems Climatic Change in Irrigated Agriculture Methodologies for the development of risk mapping in agriculture the role of agriculture on climate change adaptation and mitigation 	<p>FG28 Enhancing production and use of renewable energy on the farm</p> <p>FG26: Carbon storage in arable farming</p> <p>FG25: Grazing for carbon</p> <p>FG24: New forest practices and tools for adaptation and mitigation of climate change</p> <p>FG18: Livestock emissions – Reducing emissions from cattle farming</p>	<ul style="list-style-type: none"> Climate-smart and resilient farming – scope A. Microclimate management: from field to landscape LC-SFS-19-2018 (selected project to start after summer) Climate smart and resilient farming. Scope B - Efficiency and resilience of mixed farming and agroforestry systems LC-SFS-19-2019 (under evaluation) SUSMILK (http://esu-services.ch/projects/lcafood/susmilk/) EIT Climate - KIC as they were interested at the EIT Food EIT Climate KIC meeting in participating in the workshops of EIP AGRI, etc. SMARTCOW infrastructure project on physiology of cattle, including environmental sustainability

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<p>2.4 Agro-ecology/ pests and diseases:</p> <ul style="list-style-type: none"> Strategies for emergent pest and disease control at EU level and best agro-ecological practices Biological control of pests and diseases how to stimulate the implementation of low (or no)-pesticide IPM strategies and towards chemical free agriculture 	<p>2015: WS Interactive workshop on biosecurity in the EU FG3 reducing antibiotic use in pig farming</p> <p>FG33 Pests and diseases of the olive tree FG32 Non-chemical weed management FG23: Diseases and pests in viticulture FG17: Benchmarking farm productivity and sustainability performance FG16: Mixed farming systems: Livestock/cash crops FG13: IPM practices for soil-borne diseases FG11: Optimising profitability of crop production through Ecological Focus Areas FG9: Profitability of permanent grassland 2019: WS Cropping for the future FG22 Agroforestry: introducing woody vegetation into specialised crop and livestock systems</p> <p>FG38 reducing the use of antimicrobials in poultry farming 2019: AIS Lisieux FG34 Bee health and sustainable beekeeping</p>	<ul style="list-style-type: none"> Fact sheet on plant health LIFT and UNISECO (socio-eco-economics – socio-economics in ecological approaches (SFS-29-2017) IWM PRAISE Weeding - strategies, tools and technologies for sustainable weed management (SFS-06-2016) EcoStack Functional biodiversity – productivity gains through functional biodiversity: effective interplay of crop pollinators and pest predators (SFS-28-2017) European Conference on crop diversification (Budapest, 18-20 September) Thematic Network AFINET Agro-forestry innovation networks (RUR-2016-1) - closing at the end of 2019 G-GOOD on honeybee health and sustainable beekeeping POSHBEE on stressors for bee (honeybee and wild bees) health, with main focus on chemicals, but also feed and pathogens

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<p>2.5 Soil management:</p> <ul style="list-style-type: none"> Data management and monitoring systems for land and soils Landslides (earth slides), damage and potential preventive measures at farm level. 	<p>FG 5: Soil organic matter content in Mediterranean regions FG13 IPM practices for soil-borne diseases</p> <p>FG36: Soil salinisation FG37: Protecting agricultural soils from contamination</p>	<p>EJP soil - 40+40ME programme under H2020 Factsheet on soil</p> <p>BBI JU: NEWFERT, SUSFERT Horizon 2020: LEX4BIO, RUR-08, SFS-39, NUTRIMAN, SuWaNu</p> <p>Circular Agronomics (H2020) REcare (FP7) Landmark (H2020) SoilCare (H2020) BEST4SOIL (Thematic network)</p>

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<p>2.6 Water management:</p> <ul style="list-style-type: none"> • Reuse of treated water in irrigation • Irrigation and biodiversity in the Mediterranean regions 	<p>2018 WS Innovative water management in agriculture</p> <p>FG15: Water & agriculture</p> <p>FG10: Fertiliser efficiency – Focus on horticulture in open field</p> <p>FG27:circular horticulture</p>	<ul style="list-style-type: none"> • PRIMA art.185 initiative • Small water retention 2 projects under evaluation • FERTINNOWA - Transfer of INNOvative techniques for sustainable Water use in FERTigated crops: website - CORDIS (01/2016-12/2018) • AGRIFORVALOR - Bringing added value to agriculture and forest sectors by closing the research and innovation divide to valorize and exploit sidestream biomass resources from agriculture and forestry: website - CORDIS (03/2016-08/2018) • NUTRIMAN - Nutrient Management and Nutrient Recovery Thematic Network: website - CORDIS (10/2018-03/2021) • SuWaNu Europe - Network for effective knowledge transfer on safe and economic wastewater reuse in agriculture in Europe: website - CORDIS (01/2019-06/2021)

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<p>2.7 Feed:</p> <p>Test and collect practices on Fodder that are a quality feed for animals, supports environmental, local development</p>	<p>FG29 New feed for pigs and poultry</p> <p>FG9: Profitability of permanent grassland</p> <p>FG2: Protein crops</p>	<ul style="list-style-type: none"> • GREENPROTEIN & SYLFEED (BBI project) • Feed-a-gene on alternative feed, animal genetics, gut microbiota

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<p>2.8 Genetic resources:</p> <p>Native and traditional farm animal breeds: ensuring a future for heritage livestock.</p>	<p>FG4: Genetic resources – Cooperation models</p>	<ul style="list-style-type: none"> • IMAGE: tools for livestock genetic resources; • TREASURE on pig genetic resources; • genTORE (cattle) and • Smarter (small ruminants) on breeding for resilience and efficiency