The European Innovation Partnership “Agricultural Productivity and Sustainability”

networking tools and ‘green economy’ activities

ENRD Thematic group ‘Green Economy’
Willemine Brinkman, EIP-AGRI Service Point
Rotterdam, 7 April 2016
EIP-AGRI in a nutshell

• **Aim:** Fostering a competitive and sustainable agriculture and forestry sector that ‘achieves more from less’

• **Approach:** Closing the innovation gap between research and practice and forming partnerships by:
  – Using the interactive innovation model
  – Linking actors through the EIP-AGRI Network
Means to implement the EIP-AGRI

Rural Development Programmes

- Operational Groups
- Project funding
- Innovation support services

Horizon 2020 (EU Research Policy)

- Multi-actor research projects involving the agricultural community
- Thematic networks, unlocking and exchanging knowledge across the EU

EIP-AGRI Network
RDP support to EIP Operational Groups - Update - All 118 Rural Development Programmes 2014-2020 have now been approved.

* sum of single RDPs approved as of 11 December 2015

source: European Commission
EIP-AGRI Network
Sharing Knowledge – connecting people – tackling challenges
EIP-AGRI Network activities 2016

**Operational Groups:**
- Workshop on first experiences
- Toolkit on EIP website

**NRNs:**
- Workshop "Networking for innovation"
- Participation in regular NRN meetings

**Smart & competitive**
- Seminar "Data driven business models"
- Workshop "Cities and Food"

**Transition to Green Economy**
- FG 19 Nutrients recycling
- FG 20 Forest biomass mobilisation
- FG 21 Robust animals
- FG 22 Agroforestry
- FG 23 Perennial crops diseases
- Workshop "sustainability indicators"
- Workshop "multiple forest value chains"

**Capacity building**
- Support for national/regional events
www.eip-agri.eu
the one-stop-shop
for agricultural innovation

SHARE WITH US
SEARCH AND FIND
FOCUS ON
DEEPEN YOUR KNOWLEDGE
STAY UP TO DATE
MY EIP-AGRI
Website – Interactive functions

Share
- Share interesting projects
- Share research needs
- Register/Login

Search
- Search Funding Opportunities
- Search Interesting Projects
- Search needs for research from practice
- Search Project Ideas
- Interesting links
Information online - Publications
EIP-AGRI Focus Groups
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<th>State of play</th>
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<td>Benchmarking farm performance</td>
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<td>New entrants into farming</td>
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<td>Water &amp; agriculture</td>
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Newly published FG reports

EIP-AGRI Focus Group
IPM for Brassica
FINAL REPORT
JANUARY 2016

EIP-AGRI Focus Group
Sustainable High Nature Value (HNV) farming
FINAL REPORT
JANUARY 2016

EIP-AGRI Focus Group
Benefits of landscape features for arable crop production
FINAL REPORT
7 MARCH 2016
Focus Group
Mainstreaming Precision Farming

How to organise data capture and processing to mainstream precision farming to optimise inputs and yield?

Jacob van den Borne is a precision farmer from the Netherlands. He is a member of the EIP-AGRI Focus Group on Precision Farming and feels strongly about sharing knowledge for agricultural innovation.

Read an interview and watch the video
Focus Group
Mainstreaming Precision Farming

Ideas for Operational Groups:
- Involving farmers in technology development and knowledge exchange
- Investment risks and standardisation
- Needs of small and medium-sized farms

Research needs from practice:
- Appropriate data management and analysis
- As applied maps
- Low-cost robust machinery and software
- New business models for data management

More information: factsheet

More inspirational ideas:
complying with environmental regulations when spraying crops
dealing with pests from the air
More EIP-AGRI Focus Groups

18, plus call open till 21 March for 2 new ones – see FG webpage

Examples:

- High Nature Value Farming
  - Report and fact sheet
- Organic arable farming
  - Report, brochure, fact sheet
- IPM for soil-borne diseases
  - Report and multi languages factsheet+infographic
# EIP-AGRI workshop results for the green economy

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<th>Circular Economy</th>
<th>Biosecurity</th>
<th>Bio-economy</th>
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<td>Brussels January 2015</td>
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- **Circular Economy**
  - EIP-AGRI Workshop: Opportunities for Agriculture and Forestry in the Circular Economy
  - October 2020

- **Biosecurity**
  - EIP-AGRI Workshop: Biosecurity at farm level
  - Challenges for innovation
  - January 2015

- **Bio-economy**
  - EIP-AGRI Workshop: Building new biomass supply chains for the bio-based economy
  - May 2015

- **Protein crops**
  - EIP-AGRI Workshop: How to make protein crops profitable in the EU?
  - October 2014
EIP-AGRI Workshop 'Building new biomass supply chains for the bio-based economy' 27-28 May, Sardinia

- The overall objective = foster co-operation mechanisms between agriculture/forestry and industry to guarantee:
  - a steady and reliable supply of renewable raw materials for the industry without compromising sustainability;
  - and a fair income for the farmer and forest holders.

- Case study & field visit: Coldiretti/Novamont agreement for the supply of Matrica plant

- ~90 participants from 23 member states
Challenges

Agricultural residues/Processing co-products

- Resistance from farmers
- Lack of technical and non-technical know-how: soil depletion, access to funding opportunities
- Complexity of supply chain: logistics, organisation and management
- Lack of info on successful business cases
- Lack of communication and cooperation between actors
- Policy framework not coherent and stable
- Lack of market pool incentives

Industrial crops

- Low and unstable agronomic performance of dedicated crops
- Lack of technical know-how (agronomic practices, logistics)
- Cultural barriers, lack of trust between actors
- Few opportunities of off-take agreements
- Competition of land use (push for marginal lands without clear specifications)

Forestry residues/Processing co-products

- Technical barriers only in some MS (e.g. harvesting techniques, logistics)
- Structure of ownership of forests (parcelling-out, small size of exploitations)
- Lack of demand for forestry residues/co-products
- Competition with cheaper imported wood
**Solutions and Tools**

- **Strategy and vision** on bioeconomy at regional level (with clear policy leadership)
- **Database/information**
- **Communication tools** towards primary sector to explain opportunities (e.g. key role of cooperatives), industry and others
- **Platforms with relevant actors of biomass value-chains** (long-term & substantial support needed) -> clear objectives/activities

**Concrete forms of cooperation**

- **Strengthening national platforms, clusters, Local Action Groups** around specific themes with all relevant actors
- **Innovation support services** needed (e.g. facilitators)
- **Agreements** (to share risks and profits)
- **Joint Ventures, PPP**
- **Demonstration farms and producers groups** around topics (e.g. biomass collection, waste mgt)
- **RD support** (OGs, networks)
- **Access to finance, investors**

**Improving logistics**

- **Technical innovation** for storage, transport and biomass densification
- **Tailored-made** solutions
- Demonstrate **environmental, social and economic added-value** of biomass value-chains (case studies)
- **Short supply chains** with small/medium-scale units
- **Training and vocational development**
EIP-AGRI Workshop: 'Opportunities for Agriculture and Forestry in the Circular Economy'

- 28-29 October 2015, Naantali, Finland
- Some **80 participants** from 24 MS (+ Norway)
  Farmers/foresters, advisors, agri-food and bio-based industries, public authorities, NGOs, researchers
- **Overall objective** of the event was to bring relevant partners together and to discuss the role of agriculture and forestry in the circular economy, to identify challenges and opportunities and to define concrete actions
- **6 case studies** (well established or just in their start-up phase). **Field visit:** BIOvakka biogas plant: nutrient recycling and energy production from waste and by-products (e.g. manure)
- **Further information:** EIP-AGRI workshop webpage
EIP-AGRI Workshop: 'Opportunities for Agriculture and Forestry in the Circular Economy'
Participatory, 'hands-on' approach through business cases
EIP-AGRI Workshop: 'Opportunities for Agriculture and Forestry in the Circular Economy'

Some key messages:

- Bio-economy, 'green engine' of the circular-economy
- Common vision shared by all actors, needs to be tailored to the local/regional context (opportunities/resources)
- Leadership and coordination are key to deliver
- Requires initial investment and support to develop new ideas, markets and systems
- Farmers and foresters central in the process
- Clarification / harmonisation of standards is needed
- Key role of cooperation & networking for boosting CE
Thank you for your attention!

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Register today!