EIP-AGRI Focus Group Nutrient recycling

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EIP-AGRI Service Point
ESPP – IFOAM meeting on recycled nutrients in organic farming
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EIP-AGRI in a nutshell

Aim: To foster a competitive and sustainable agriculture and forestry sector that "achieves more from less"

Approach: Closing the innovation gap between research and practice by:

- using the interactive innovation model
- linking actors via the EIP Network

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Means to implement the EIP-AGRI

Horizon 2020 (EU Research Policy)

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

Rural Development Programmes

- Operational Groups
- Project funding
- Innovation support services

EIP-AGRI Network

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EIP-AGRI Focus Groups, tackling agricultural challenges

Exchange practical knowledge

- Priorities for innovative actions
- Ideas for Operational Groups
- Research needs from practice
- Propose projects to test solutions

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Key question in nutrient recycling

How to **improve the agronomic use** of **recycled nutrients** (N and P) from livestock manure and other organic sources?

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Main conclusions

benefits and constraints of some emerging technologies

farmers' acceptance and appreciation

a real understanding of the fertiliser market and the end-user requirements is needed

on-farm tools and practices

contribution of biobased fertilisers to the soil organic matter

relevant legal frameworks

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What can be done?

- **Operational groups**
  - Rural development
  - Different competences (practical and scientific)
  - “Hands-on" groups: testing a new idea/concept in practice
- **Research needs from practice**
  - Horizon 2020
  - National & regional

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Research Needs

- Organic contaminants
- Standardisation of LCA methodologies/risk assessment
- Assessment of the Nutrient Use Efficiency
- Acceptance of the use of organic fertilisers – social sciences
- Development of tailor-made products
- Use of remote sensing
- Development of farm tools

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Ideas for Operational Groups (OG)

- Process demonstration (general)
- Product demonstration (focusing on the products and the farmer)
- Integration of nutrient management in certifying schemes
- Cooperative business models
- Through the eyes of the farmer: exchange of information




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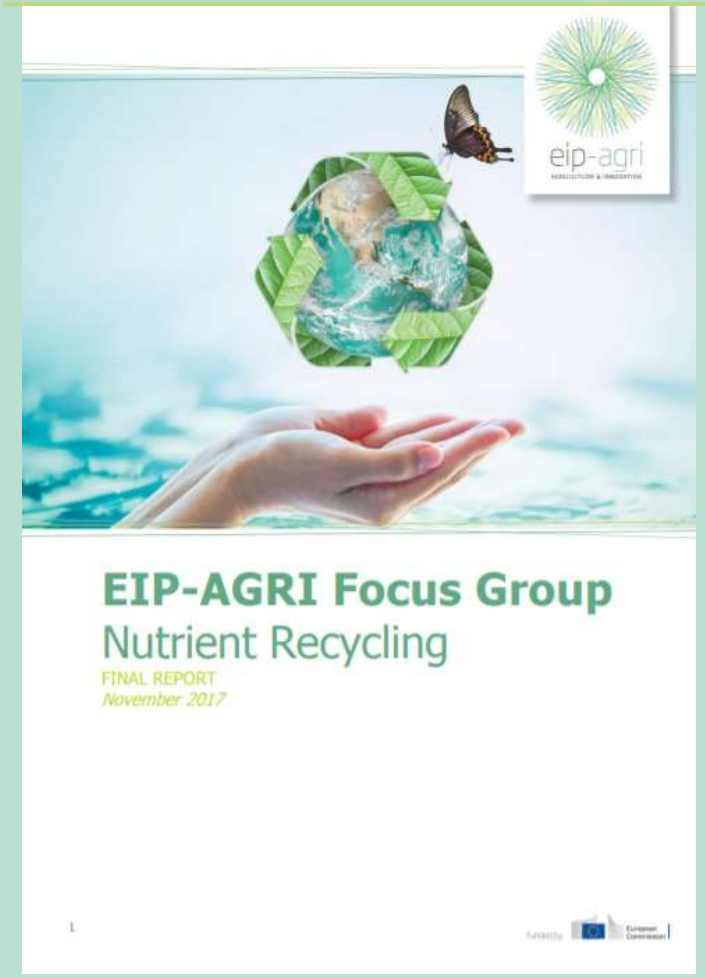
Outcomes



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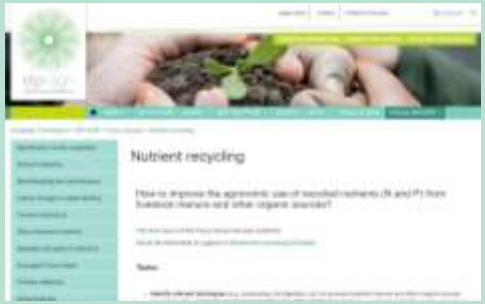

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The words from the experts

*"Promoting nutrient recycling is not only about technologies to produce biobased fertilisers, but also **about practical tools** to better understand the behaviour of nutrients and their management on the farm."*

Emilie Snauwaert (Belgium), expert in the Focus Group

*"It is vital to **understand the end-user acceptance and requirements** of recycled nutrients - so the opinion of farmers, retailers and consumers. The **market uptake needs to be driven from the demand side**, not solely from pushing technologies that aim to recover nutrients from manure and other waste to resolve regional problems related to nutrient excesses."*

Lars Stoumann Jensen (Denmark), expert in the Focus Group

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Community group on nutrient recycling

BIOREFINE CLUSTER EUROPE

Investing in Opportunities

This project has received European Regional Development Funding through INTERREG IVB.

INTERREG IVB

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EIP-AGRI Focus Group on Nutrient Recycling finds after-life...

The focus groups under the European Innovation Partnerships (EIP) of the European Commission have a dedicated task for 2-3 years, after which an end-report brings conclusion to the expert activities. In light of furthering collaboration and raising awareness, the Focus Group on Nutrient Recycling has decided to continue the collaboration after this period.

This community group will be developed further within the larger BioRefine Cluster Europe community and will be broadened in an open-access and free-of-charge setting. The development of community groups around specific topics which cross-cut across projects and experts is a novel strategy deployed to introduce focal points in our collaboration.

If you are interested to join this community group, don't hesitate to drop us a line at yasmine.mertens(at)ugent.be

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Thank you for your attention!

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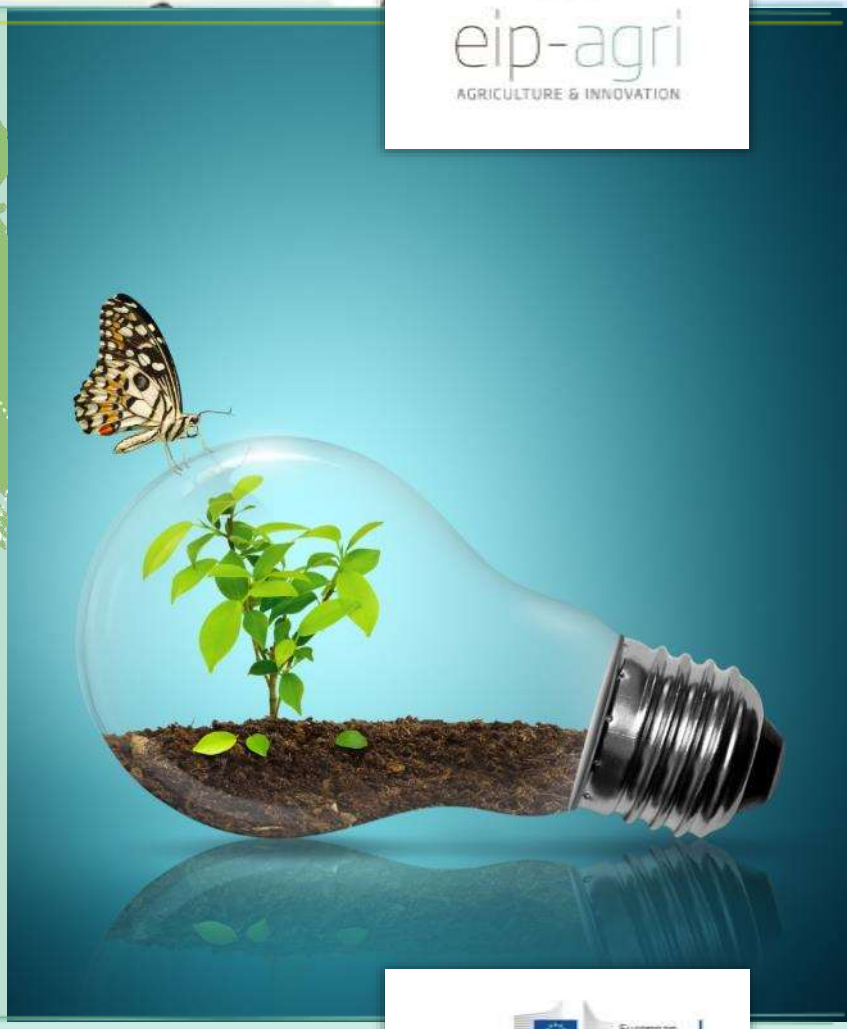

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