



SUPPORTING THE PROVISION OF ECOSYSTEM SERVICES

OUTCOMES FROM THE BREAKOUT SESSION

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SINCERE H2020 Project

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Inishowen Uplands European Innovation Partnership Project

Henry O'Donnell

Inishowen Uplands EIP

Managing upland habitat both commonage and privately owned uplands in Inishowen together with **innovative practices, including agroforestry, and climate smart innovation** on the improved low land to reduce costs and maximise returns.



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Climate change mitigation, key problem: The Department of Agriculture and managers wanted to substitute some cattle areas but foresters suggested agroforestry not to displace farmers and local communities.



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Agroforestry supporting conventional agricultural enterprises:

- Extending the **grazing season**
- Providing **shelter to farm animals**
- **Prevent disease** spread between animals
- **Capture nutrients** from the deeper soil
- Improve **water infiltration** / dry upland
- Reduce the **need for housing** of animals
- Increase **biodiversity**
- Increase **carbon sequestration**



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Results summary:

- Agroforestry is a long term project and results will not be evident over a short period
- Measurements of results of all types is crucial
- Huge potential for climate change mitigation
- Ireland has no history of Agroforestry
- Trees have a place in all farming systems and have a opportunity to provide additional income to farmers



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Landscape Ecological Planning as a tool for Maintaining Ecosystems Services in Forestry

Kirsi Marja Kprhonen, Metsähallitus
Kari Mäkitalo, Luke

Ecosystem services consist of benefits produced by nature.
Ecosystem services produced by finnish foresters (based on Kniivila et al 2011): production, regulation, cultural and support services.



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Planning levels in state Forests in Finland:

- Geographic information systems
 - **Natural resources plan**
 - **Landscape ecological plan**
 - **Operational plan**
- Participation and collaboration

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Climate smart forestry Project targets:

- To identify the importance of forestry areas in carbon sequestration and storage as a whole
- To examine how carbon sequestration and storage can be enhanced through forestry measures
- To create a carbon-based classification method as a practical tool for planning forest use
- To improve Metsähallitus ability to make climate friendly decisions in its forestry activity



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Davide Pettenella

SINCERE H2020 project

- 1._ Connecting science, policy and practice.
- 2._ Inventory or innovation mechanisms in Europe
- 3._ Synthesis report on best practice design and Implementation of Payments for Ecosystems Services (PES) and other Innovation Mechanisms (IM)
- 4._ Demand for policy support report.
- 5._ Pan European survey on forest landowners and manager perception's on PES.



BREAKOUT SESSION CONCLUSIONS

- Great role can be played in the future by **agroforestry system** (many different definitions and visions); importance of traditional local knowledge
- There is the need for consolidating **real participation** in land use planning
- A possible **reduction of public support to the provision of forest ES** (see payments scheme under RDP, 2nd pillar budget cut): need for enlarging the support by the private sector to ES provision (PES and forms of financing)
- **Wood mobilisation** is a concept not totally suited to the demand for innovation: forest products better than wood, timber (i.e. products with high AV potential and positive impacts on employment) better than simple “wood”
- **Bio-refineries development**: a risk for increasing the demand for low-quality wood (biomass) and therefore poor level of forest management, low income for the forest owners



**THANK YOU FOR
YOUR ATTENTION!**



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