

INTRODUCTION OF FOREST4EU INTRODUCTION TO KNOWLEDGE REPOSITORIES

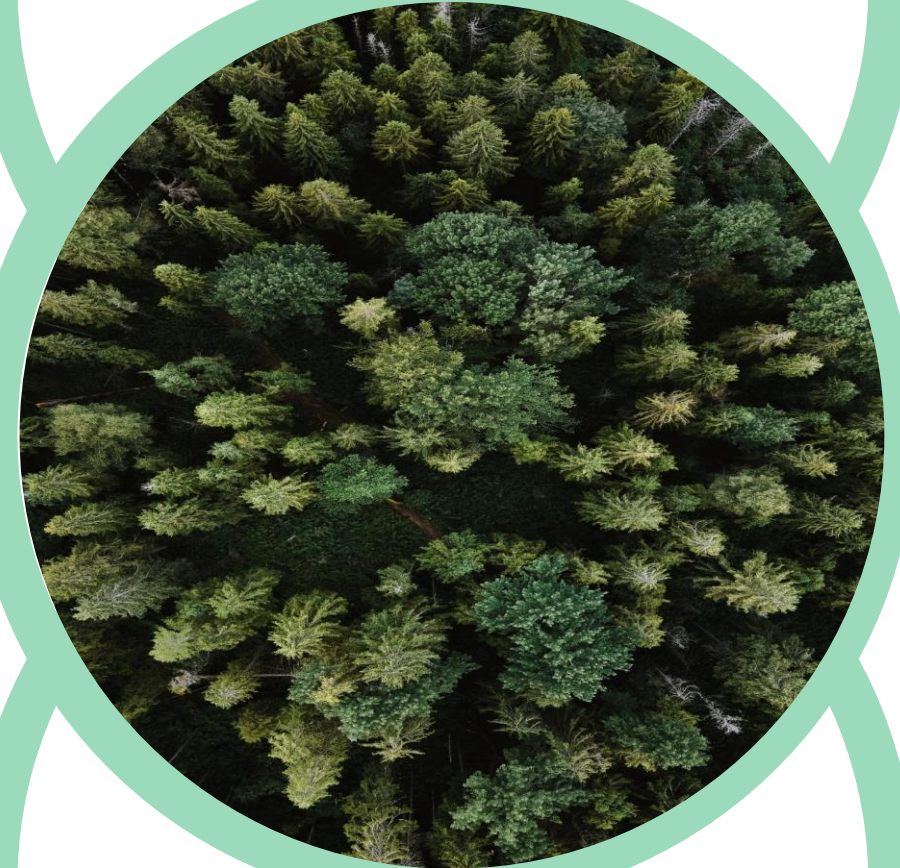
Francesca Giannetti
francesca.giannetti@unifi.it



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UNIVERSITÀ
DEGLI STUDI
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E TECNOLOGIE AGRARIE,
ALIMENTARI, AMBIENTALI E FORESTALI



Solaria Anzilotti, Kathrin Böhling, Francisco Javier Casado Hebrard, Davide Travaglini, Maria Mercedes Caron, Aida Rodríguez-García, Benjamin Chapelet, Pacheco Marques Pedro, Ana Maria Ventura, Nuria Ferreiro Domínguez, Andris Spulis, Maria Rosa Mosquera Losada, Danjela Saric Bartolovic, Gunta Rozentale, Matevž Triplat, Gil-Penha Lopes, Antonio Ventre, Irene Fattoreto

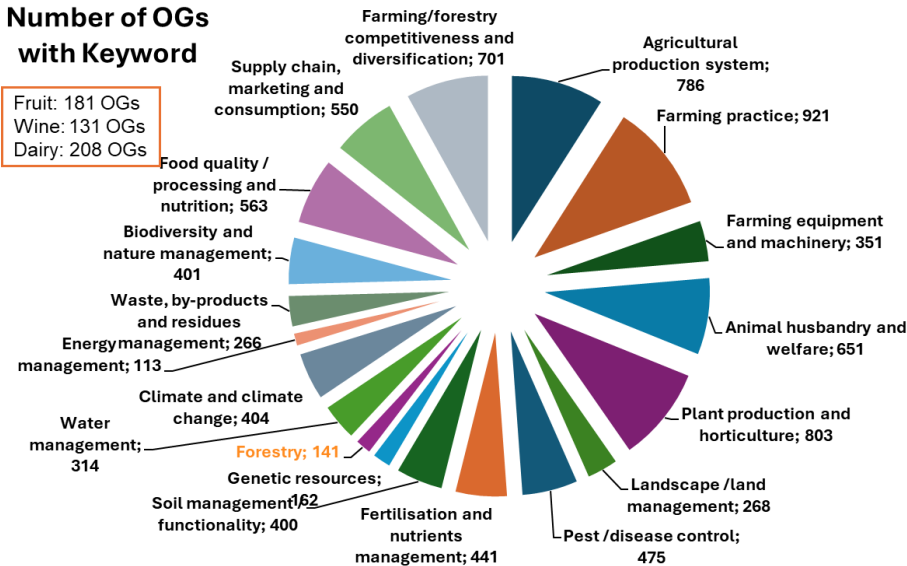
Multi-actor approach for forestry and agroforestry sector

FOREST4EU - European Innovation Partnership Network promoting Operational Groups dedicated to forestry and agroforestry - is a coordination and action support project financed by the Horizon Europe programme, which aims to link existing Operational Groups (OGs) in different European countries in order to foster the transfer of knowledge and good practices between experts in the field.



Number of OGs with Keyword

Fruit: 181 OGs
Wine: 131 OGs
Dairy: 208 OGs



Forestry and agroforestry OGs in EU



Around Europe, there are hundreds of Operational Groups: small projects promoted by groups of farmers, forest managers and local communities.



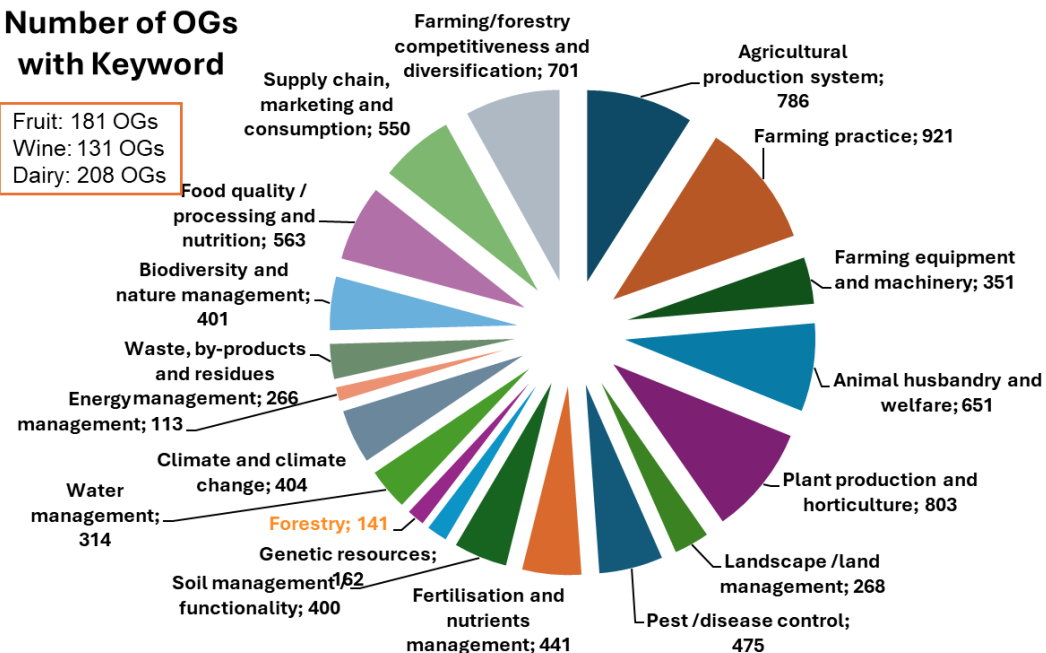
They all share the same goal: advancing innovation and good practices in forestry and agroforestry sector.



However, OG results struggle in crossing national borders: innovations and best practices tend to remain in the local environment and do not reach the EU level.

Number of OGs with Keyword

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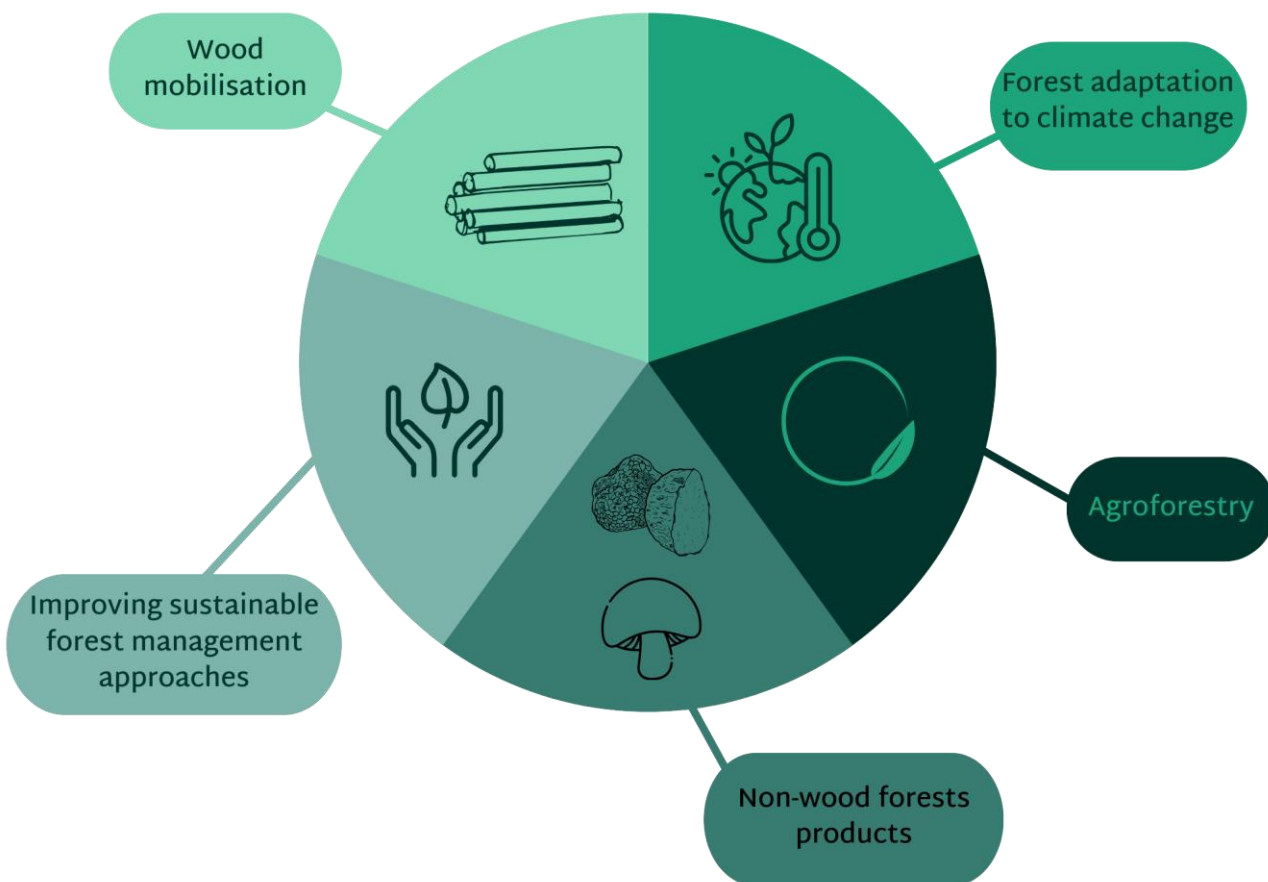


Source: Pacôme Elouna Eyenga - Team Leader EIP-AGRI SF, 2023.

Table 4: Keywords and relative proportion in OG projects

Keyword	No. OGs	Relative proportion of all keywords	Proportion of OGs containing keyword
Farming practice	1 157	11%	33%
Plant production and horticulture	971	9%	28%
Agricultural production system	967	9%	28%
Animal husbandry and welfare	793	8%	23%
Farming/forestry competitiveness and diversification	786	8%	23%
Food quality/processing and nutrition	729	7%	21%
Supply chain, marketing and consumption	646	6%	19%
Pest/disease control	572	5%	17%
Fertilisation and nutrient management	547	5%	16%
Climate and climate change	498	5%	14%
Soil management/functionality	477	5%	14%
Biodiversity and nature management	437	4%	13%
Farming equipment and machinery	402	4%	12%
Water management	358	3%	10%
Waste, by-products and residues management	330	3%	10%
Landscape/land management	298	3%	9%
Genetic resources	193	2%	6%
Forestry	163	2%	5%
Energy management	147	1%	4%
Total	10 471	100%	

FOREST4EU Innovation Topic Hubs - ITHubs



What is innovation?

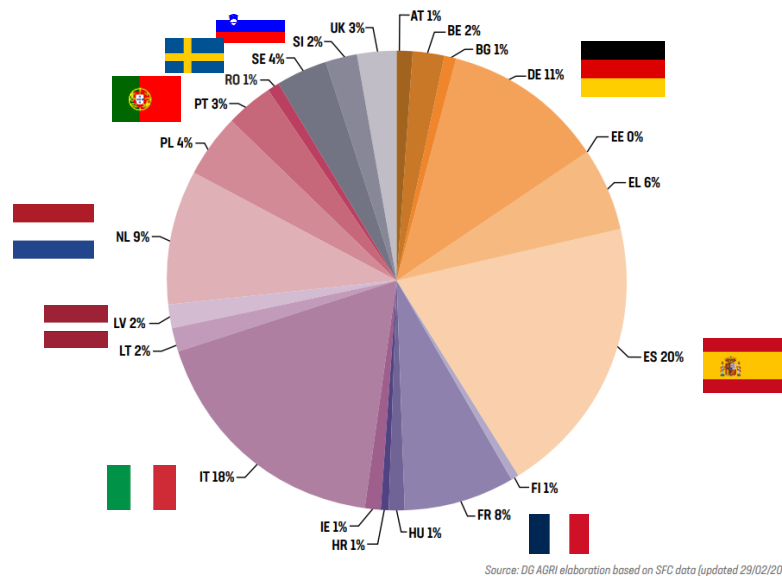
Innovation is a new idea successfully implemented, then adopted and disseminated. Innovation can be based on new but also traditional practices in a new geographical or environmental context.

Types of innovation:

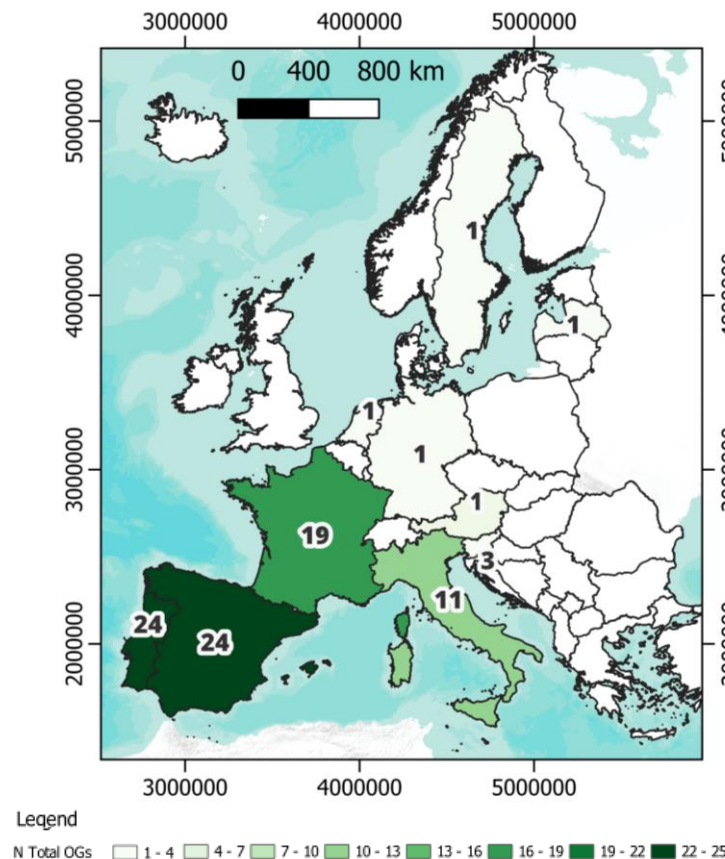
- Technological,
- Process,
- Product,
- Organisational
- Social
- Service

Guidelines on programming for innovation and implementation of EIP for agricultural productivity and sustainability, (2013).

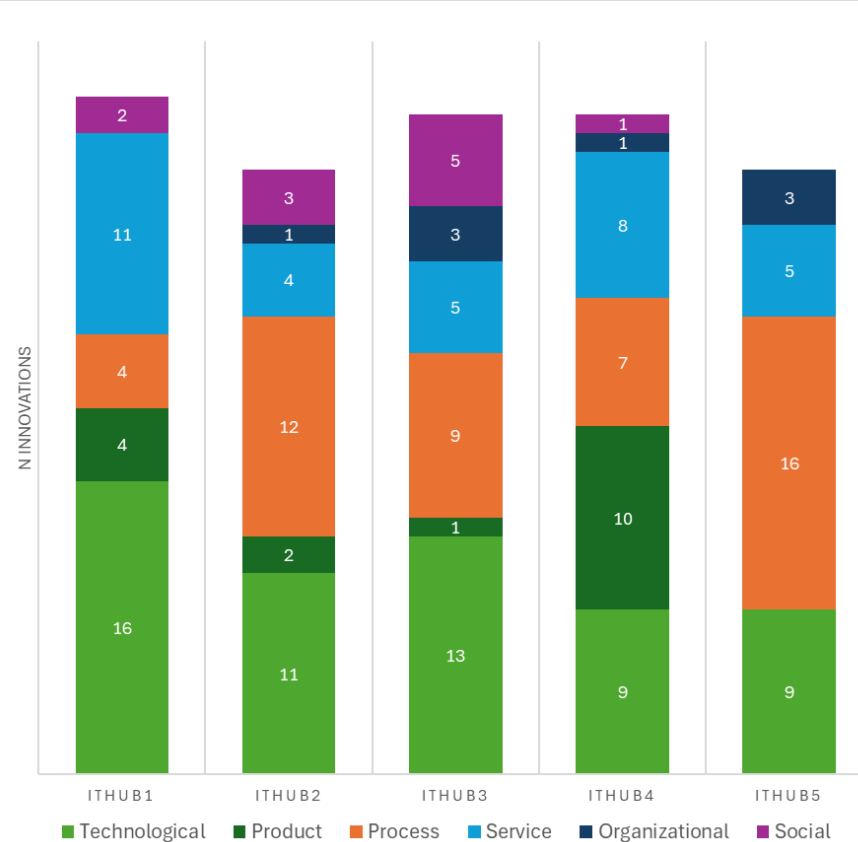
Figure 2: Distribution of OG projects by Member State (%)



Total OGs



Innovation types per ITHUB



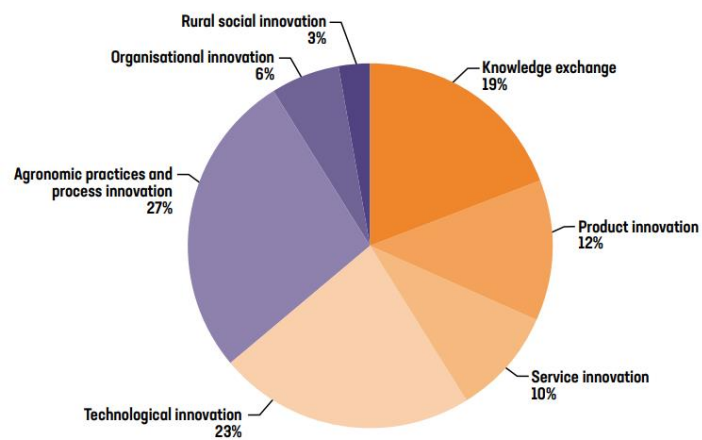
Results

- A total of 175 innovations in forestry and agroforestry were collected from 86 OGs in the form of Extended Summaries. Often, OGs have developed innovations that can be classified under more than one ITHub.
- Innovation types in forestry and agroforestry OGs varies between countries and ITHubs, but are often technological and process-oriented. In many cases new services and products are introduced.

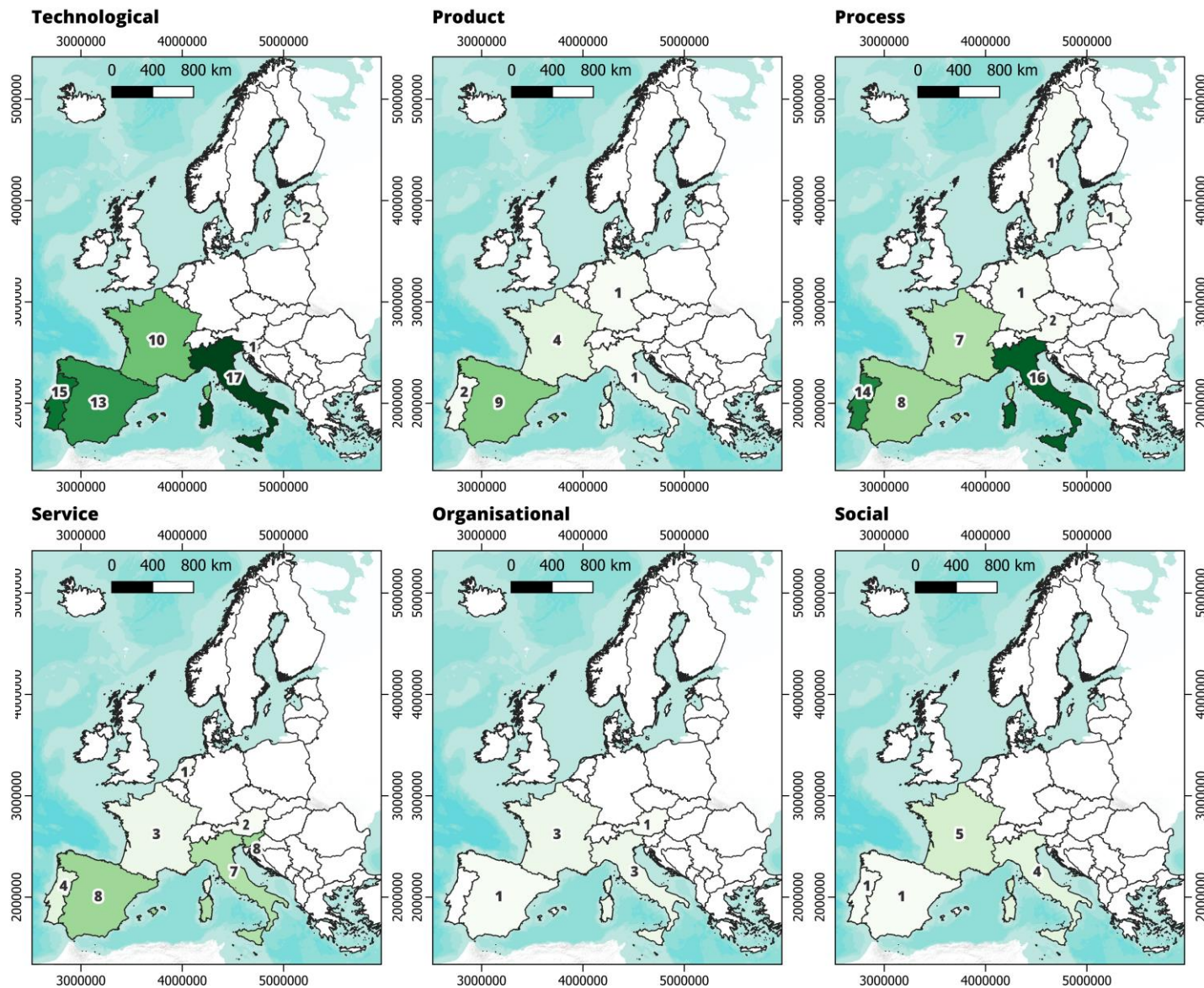
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Innovation types

Figure 2: Types of innovative solutions developed by OG projects* (%)



Source: EU CAP Network supported by the Evaluation Helpdesk for the CAP - OG survey data (N=458 survey responses - OG Lead partners)
*Multiple answers allowed.

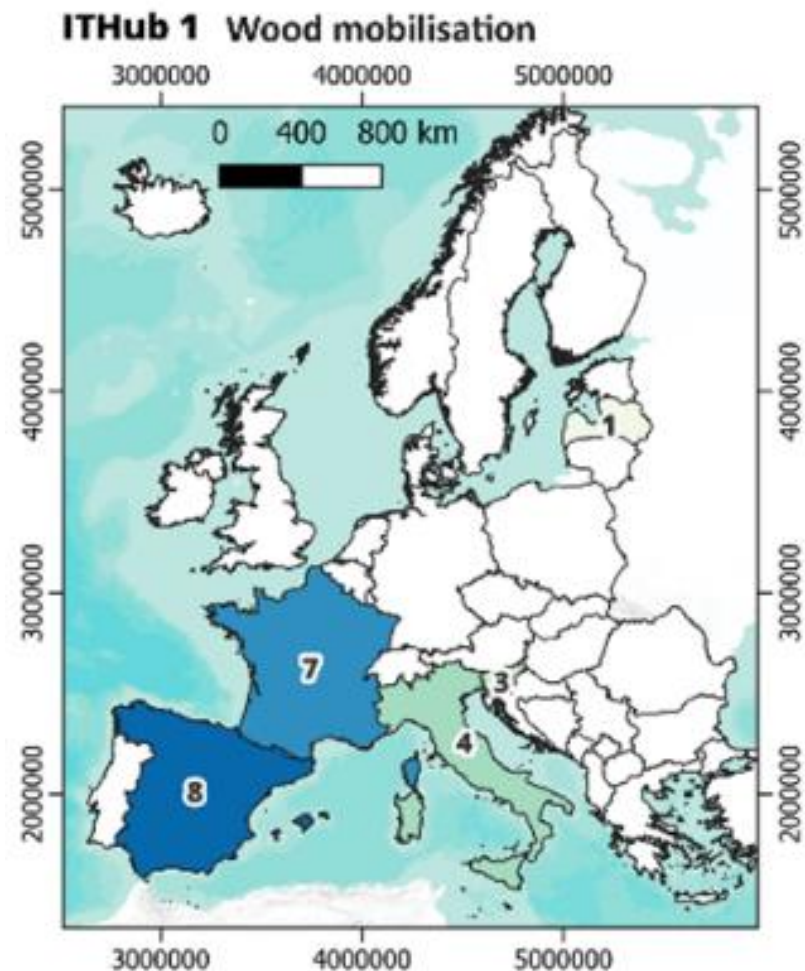


Legend

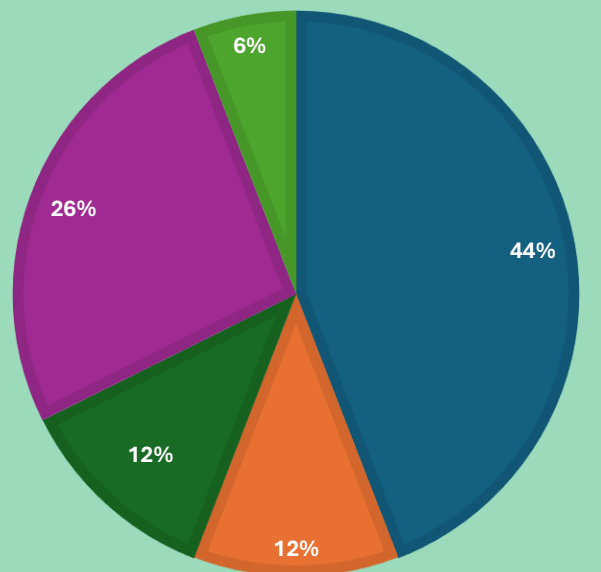
N Innovations 2 - 3 3 - 4 4 - 5 5 - 6 6 - 7 7 - 8 8 - 9 9 - 10 10 - 11 11 - 12 12 - 13 13 - 14 14 - 15 15 - 16 16 - 17
1 - 2



ITHub 1 – Wood mobilisation



INNOVATIONS



■ Technological
■ Product
■ Service
■ Process
■ Organisational
■ Social

24 Operational Groups

34 Extended Summaries

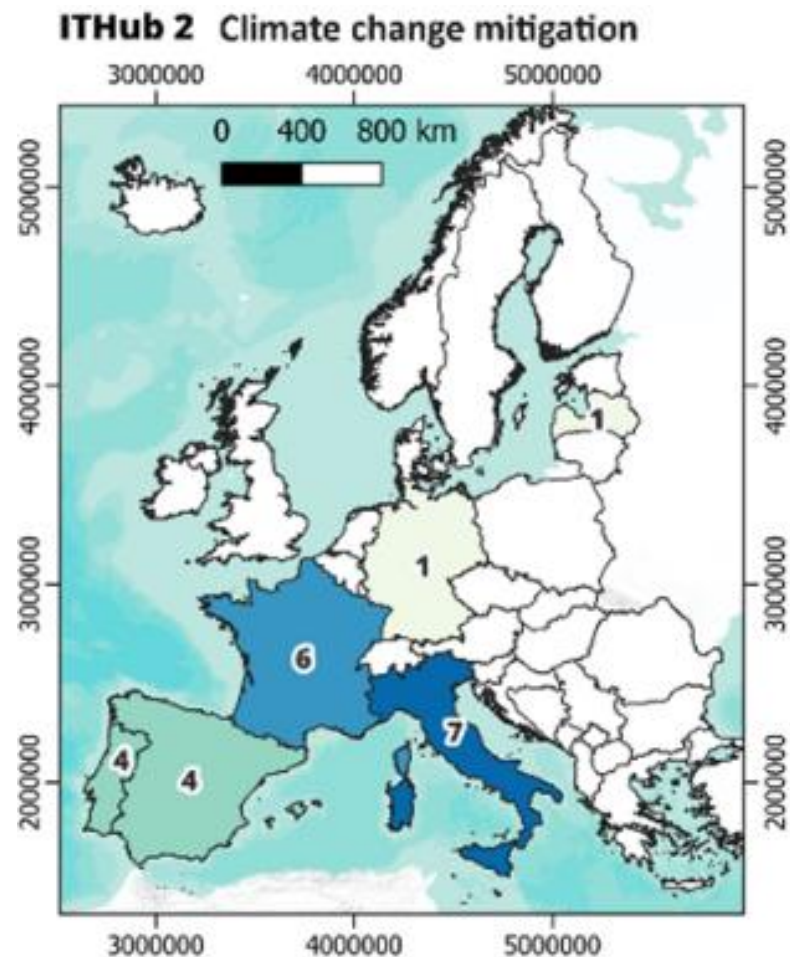
Most used keywords:

Decisional Support System, digital platform; supply chain, market and consumption; remote sensing data, sustainable forest management, forest industries.

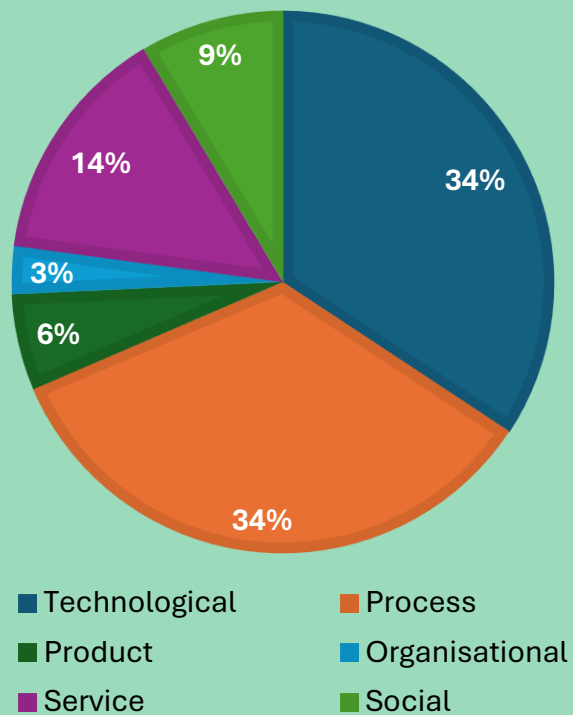
N OGs ITHub 1 - 2 2 - 3 3 - 4 4 - 5 5 - 6 6 - 7 7 - 8 8 - 9 9 - 10 10 - 11



ITHub 2 – Climate change mitigation and adaptation



INNOVATIONS



24

Operational Groups



35

Extended Summaries

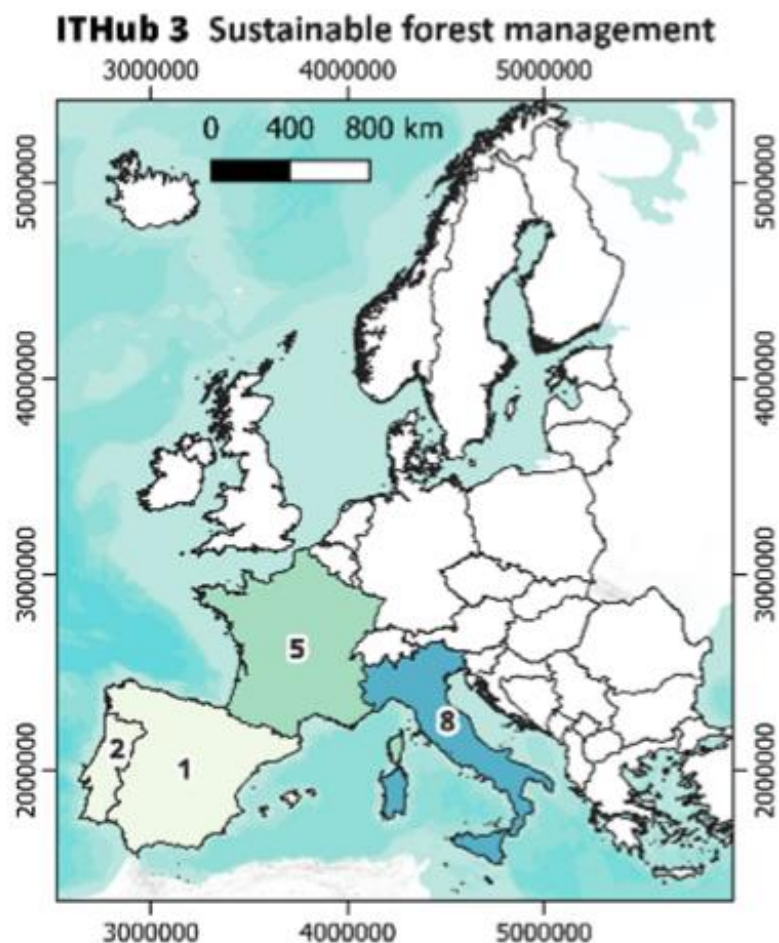
Most used keywords:

Non-wood forest product, wood mobilization, pest/disease control, decisional support system, sustainable forest management, landscape/land management

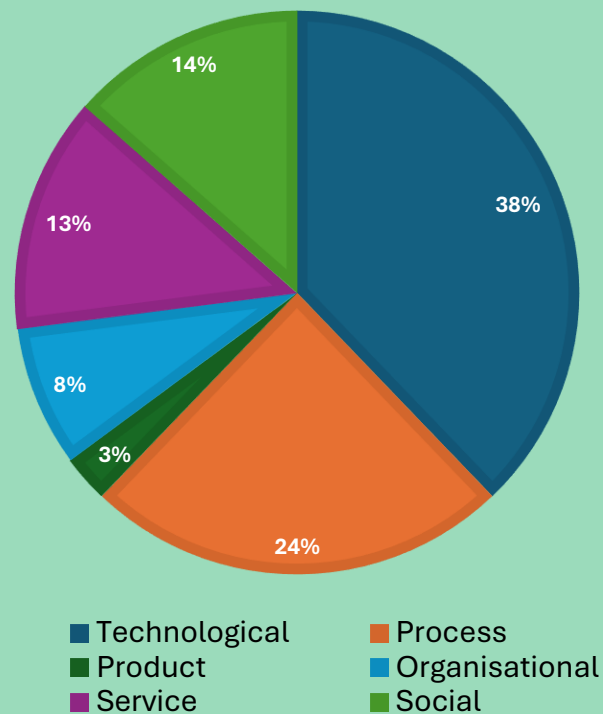
N OGs ITHub 1 - 2 2 - 3 3 - 4 4 - 5 5 - 6 6 - 7 7 - 8 8 - 9 9 - 10 10 - 11



ITHub 3 –Sustainable Forest Management



INNOVATIONS



16 Operational Groups

37 Extended Summaries



Most used keywords:

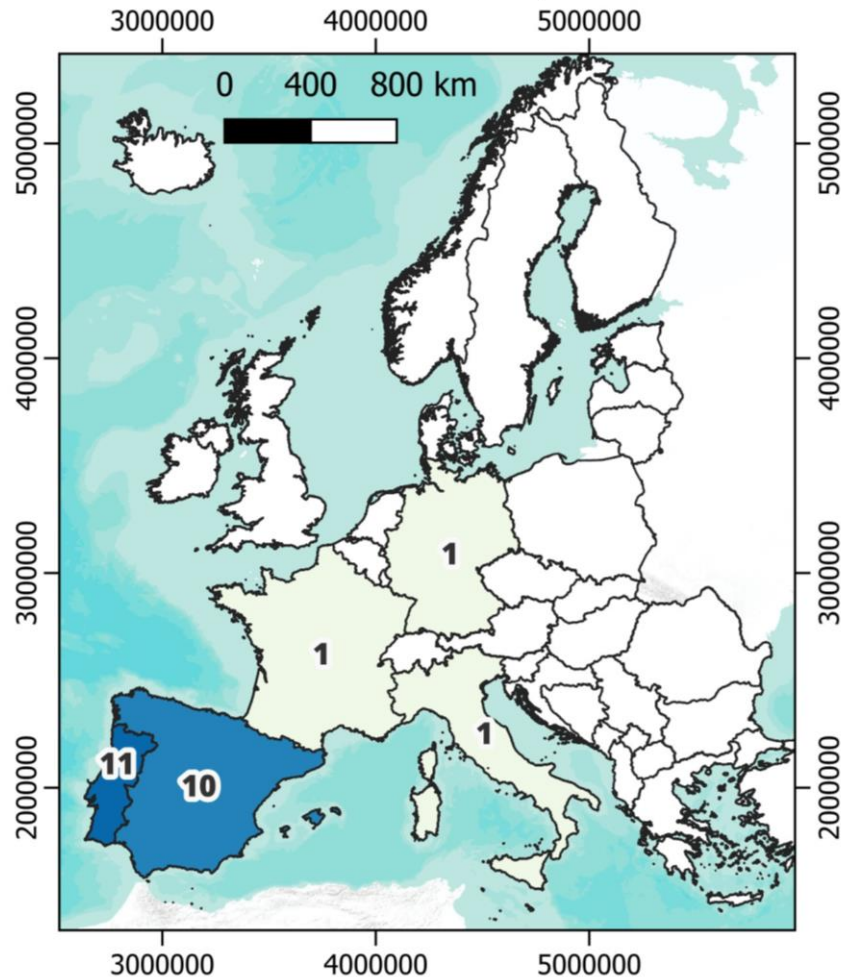
Decisional Support System, silviculture, farming/forestry competitiveness and diversification, ecosystem services, cooperation, multifunctional forest management.

N OGs ITHub 1 - 2 2 - 3 3 - 4 4 - 5 5 - 6 6 - 7 7 - 8 8 - 9 9 - 10 10 - 11



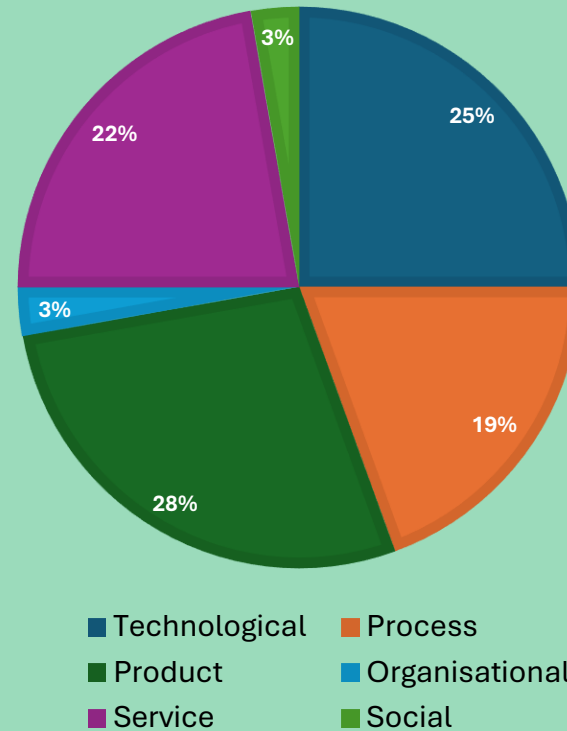
ITHub 4 – Non wood forest products

ITHub 4 Non wood forest products



N OGs ITHub 1 - 2 2 - 3 3 - 4 4 - 5 5 - 6 6 - 7 7 - 8 8 - 9 9 - 10 10 - 11

INNOVATIONS



24

Operational Groups

36

Extended Summaries

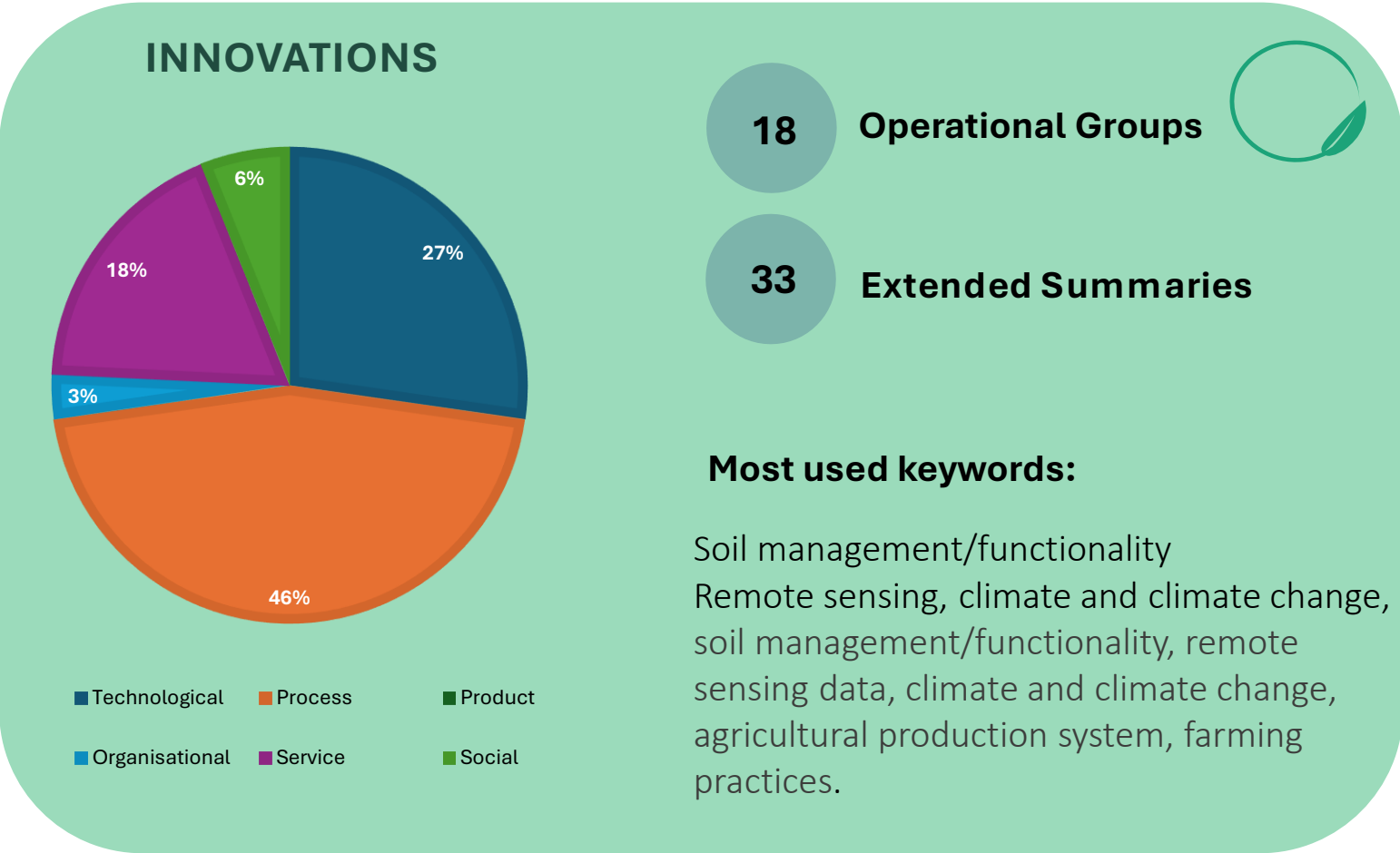
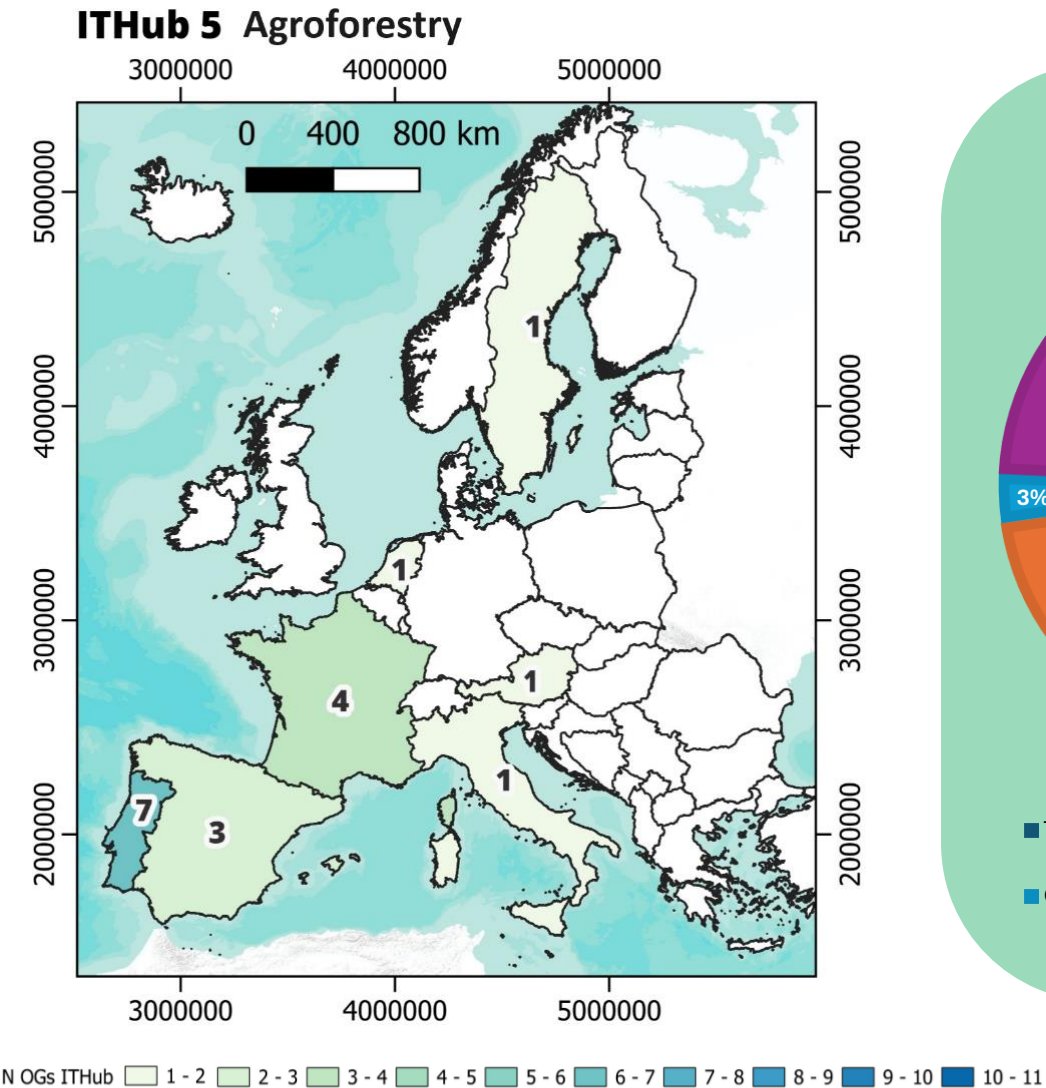
Most used keywords:

Supply chain, market and consumption; multifunctional forest management, circular bioeconomy.





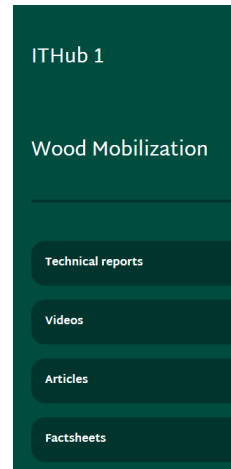
ITHub 5 -Agroforestry



Capacity Building Materials, Factsheet and Practical Abstract

<https://www.forest4eu.eu/capacity-building-material/>

- Develop materials to support stakeholders' understanding and implementation
- Align content with project goals and national contexts
- Prepare formats suitable for learning (video, technical reports, newsletters)
- Consider regional needs, existing practices, and adoption potential



Quantification of carbon stock in sustainable forest management plan



SLO

Decisional support system for enhancing forest management efficiency



ENG



GER

Empowering Sustainable Forest Management in the European Context:
The PRI.FOR.MAN Decision Support System



ENG



ITA



SLO



CRO

Estimation of Soil Carbon Credits: Innovative Approach of the CO2MARCHE Project



ENG



FRE



FIN



CRO



PORT

Developing a Novel Martelloscope for Assessing Biodiversity and Growing Stock
Volume with the aid of a Digital Twin



ENG



SLO



LAT



FRE



FIN

Biomass accounting for Sustainable Forest Management Plans



ENG



FRE



ESP



Thank you for your kind attention!

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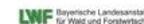
info@forest4eu.eu

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COORDINATOR



PARTNERS



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