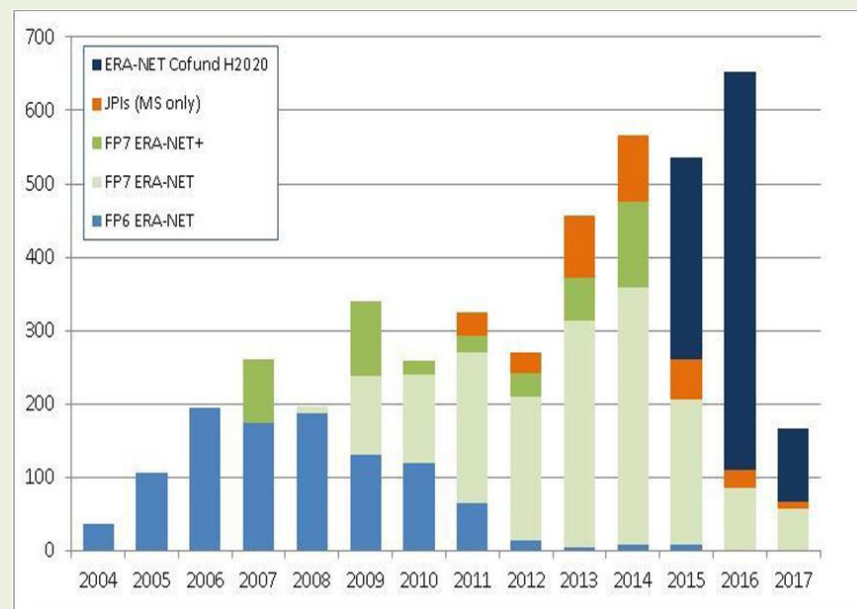# SCAR Strategic Working Group on Forests and Forestry Research and Innovation

(SWG Forests)

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Strategic Working Group on Forest Research and Innovation
(SCAR SWG Forest)

The Strategic Working Group on Forest Research and Innovation works for identifying common need for research and innovation suitable for transnational cooperation, addressing the diversity of management systems and utilisation depending on legal, socioeconomic and geographical conditions.

SWG Forest will also look into the challenges of increasing the sustainability of the EU's forest-based sector, by providing biomass for a growing bio-based economy, and ecosystem services for society.

Coordination of SWG Forest by: France
Coordinator: Jean-Michel CARNUS
Core group: Austria (Martin Greimel), Greece (Kalliopi Radoglou, deputy coordinator), Sweden (Karin Perhans)
December 2016- June 2019

INIA
Instituto Nacional de Investigación
y Tecnología Agraria y Alimentaria
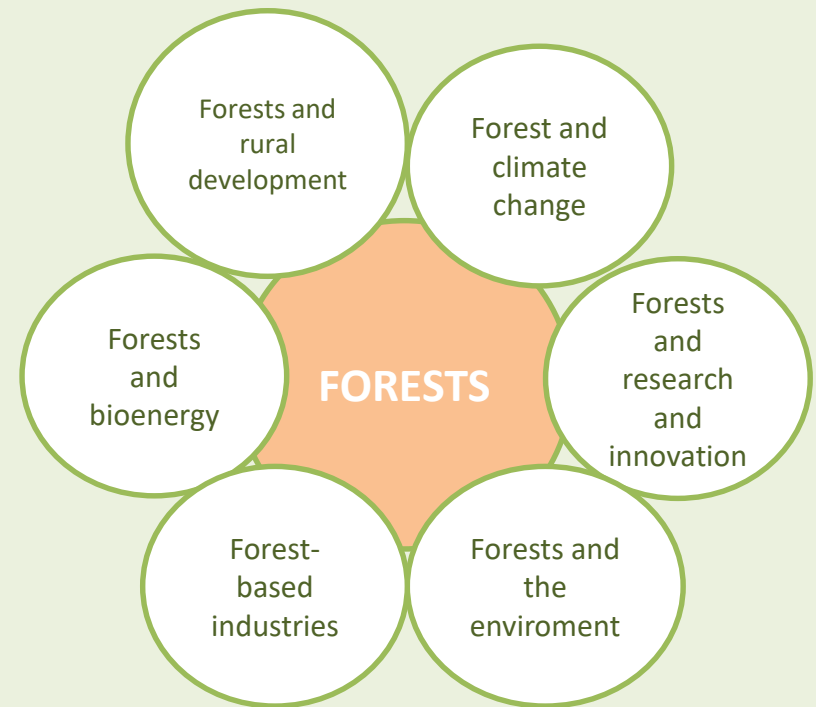
SWG FOREST ACTIVITIES

2017

✓ 2 expert studies according workplan
- D1: Synthesis on forest bioeconomy research and innovation in Europe
- D2: Assessment of forest related Eranets and COST actions

✓ 2 plenary meeting (in connection with SUMFOREST)
- Helsinki 8th – 9th June
  - Progress report on experts studies
  - Organization of joint COST 2018 event
  - Discussion Bioeconomy strategy
- Barcelona 19th October

2018: Research and innovation in the forest-based sector: alignment, resource use and sharing, etc.; advise on global R&I cooperation in key areas with forest relevance (climate change, carbon sequestration, biodiversity, sustainable forest management, water, energy, etc.).

2019: Joint activity with other European innovation actors: ERA-NET Cofund, FTP, EIP-Agri, EIP Raw Materials (Biotic Group), EFI, COST, etc.; strategic input to EU's 9th Framework Programme.

FORESTS
- Forests and rural development
- Forest and climate change
- Forests and research and innovation
- Forests and the enviroment
- Forest-based industries
- Forests and bioenergy

Proposal for expert study SCAR SWG Forest (1)

D1.- Synthesis on forest bio-economy research and innovation in Europe.

Objectives: to review and synthesize existing updated information about forest bioeconomy research and innovation in different member states in Europe

- ❖ Mapping the most relevant research capacities and areas where activities are already ongoing at national/regional, transnational and European level
- ❖ Analysing gaps and draw conclusions about
  - ❖ Overlapping activities
  - ❖ Missing activities
- ❖ Mapping existing innovation examples in Europe and worldwide
- ❖ Providing best practice guidelines for innovation in the forest-based bio-economy
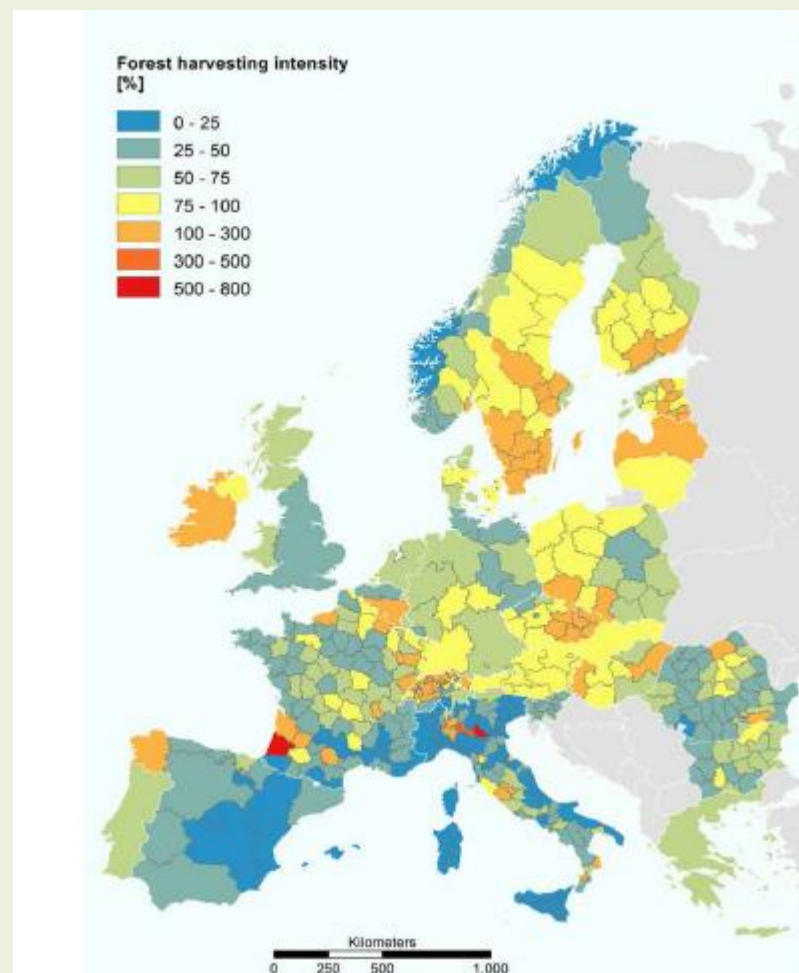
Proposal for expert study SCAR SWG Forest (2)

D2.- Assessment of forest related ERA-NETs and COST FPS Actions

<u>Objectives</u>: to enhance the knowledge and understanding of transactional coordination and collaboration in forest and forestry research and innovation trough analysis and assessment of ERANETS and FP7 COST Domain Forests, their products and Services (FPS):

- Coordination of national research programmes, towards an integrated European Research Area
- Coupling research and innovation
- Removing barriers to innovation
- Practices and achievements of collaboration of public and private sectors.
- Contribution of the sector to the wider circular economy and bioecoomy research

ERA-NETS within the European forest based sector:

- **WoodWiddom**: (2004-2014): 4 phases
  - Wood material science and engineering in the forest-based value chains
  - Sustainable competitive processing and end-use concepts for forest based industries
  - Sustainable forest management and optimized use of lignocellulosic resources –Bridging forest management disciplines, producers consumers and society

Forest harvesting intensity [%]
- 0 - 25
- 25 - 50
- 50 - 75
- 75 - 100
- 100 - 300
- 300 - 500
- 500 - 800

Kilometers
0   250   500   1.000

ERA-NETS within the European forest based sector:

- **Forresterra**
  - Enhancing forest research in the Mediterranean region
- **SUMforest**
  - Sustainable forest management; Multifunctional Forestry, European Forest Policy; Climatic and environmental changes lead socio-economic and land-use changes and pose challenges for multifunctional demand on European forest resources and their sustainable management

- COFUND ERA-NET "**Innovation Forest-Based bioeconomy**"; **BiodivERsA**

Thank you four your attention