# sincere
## Innovating for Forest Ecosystem Services

## "Spurring Innovations for forest ECosystems SERvices in Europe"

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# sincere
## Innovating for Forest Ecosystem Service

**SPURRING INNOVATIONS FOR FOREST ECOSYSTEM SERVICES IN EUROPE (SINCERE)**



**sincere** — Innovating for Forest Ecosystem Services

Sustainable forests for a sustainable future

| **Research** | **Novel policies** | **Connecting knowledge** | **Local stakeholders** |
|---|---|---|---|
| and innovations for the services that forests provide to society | and new business models to support forest services | and expertise from practice, science and policy across Europe and beyond | play a key role in design, implementation and evaluation in eleven case studies |

## THE CHALLENGE

- People's demands of forests are dynamic and evolving

- Different ecosystem services might have synergies or require trade-offs

- Different responses from forest owners & managers: limited income from non-biomass services

- Partial conflicts and stalemate
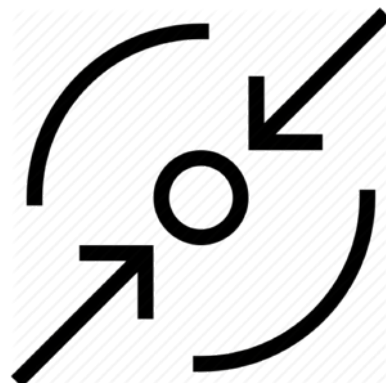
**Can be the starting point for innovation!**

## SINCERE OBJECTIVES

- Review and analyse **innovations related to forest ecosystem services**

- Develop, implement and analyse innovation action **case studies**

- Run a **Learning Architecture** for these innovations

- Synthesise knowledge & upscale findings into **transferable innovative mechanisms**

- Work towards a coordinated **European Policy Framework** for forest ecosystem services provision

## Slide 5

**SINCERE PROJECT OVERVIEW**

**Review and analyse innovations** related to forest ecosystem services

**Develops** novel policies and new business models for FES

**Links** practice – science – policy

**Supports** 11 case studies in Europe, Peru and Russia

Co-learning architecture

**Towards** a European policy framework

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## Slide 6

# WHAT WE DO

- Review and analyse innovations related to forest ecosystem services
- Develop, implement and analyse innovation action case studies
- Run a Learning Architecture for these innovations
- Synthesise knowledge & upscale findings into transferable innovative mechanisms
- Work towards a coordinated European Policy Framework for forest ecosystem services provision

➢ Scientific reviews and survey with landowners

➢ 11 case studies: 9 across Europe, 1 Russia, 1 Peru

➢ Stakeholder engagement, co-design, co-learning

➢ New business models and policies; final conference

➢ SynPol event, policy briefs

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## WHO WE TARGET

- Stakeholders linked / not linked to the Innovation Action (IA)
  - Forest: land owners and managers, forest users, local / public authorities, forest-owner associations, landscape planners
  - Business: entrepreneurs, investors, business community
  - Policy:, local and regional policy makers
  - Research: scientific community
- National and international actors
  - Policy and decision makers, business organisations, international organisations, NGOs, Associations, selected national ministries, public authorities, universities
- Journalists and media professionals
  - Especially local media actors in the IA regions
- Civil society
  - Broader general public outside the IA regions

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# Review and analysis for Forest Ecosystem Services

# CONNECTING SCIENCE, POLICY & PRACTICE

- **Inventory of Innovation Mechanisms in Europe**

Consulted DB:
- Ecosystem Market Place (EMP),
- Forest Carbon Portal (FCP),
- Ecosystems Services Partnership (ESP),
- The Economics of Ecosystem and Biodiversity (TEEB),
- Ecosystems Knowledge Network (EKN),
- Alpine Convention,
- Species Banking (SB),
- Domestic Carbon Initiative in Europe,
- Verified Carbon Standard Project Database (VCS),
- United Nation Economic Commission for Europe (UNECE),
- Oppla,
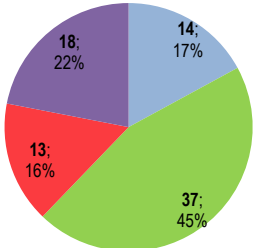- ECOSTAR.



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# CONNECTING SCIENCE, POLICY & PRACTICE

- **Inventory of Innovation Mechanisms in Europe**

**CONNECTING SCIENCE, POLICY & PRACTICE**

- **Inventory of Innovation Mechanisms in Europe**

  - A. Provision of a new FES supported by an already existing mechanism
  - B. Implementation of a new mechanism supporting an already existing FES
  - C. Provision of a new FES supported by a newly-implemented mechanism
  - D. An already existing mechanism or FES used for the first time in a different spatial context (relative innovation).

Number of total IM cases according their scenarios of innovativeness.

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**CONNECTING SCIENCE, POLICY & PRACTICE**

- Inventory of Innovation Mechanisms in Europe
- **Synthesis report on best practice design and implementation of Payments for Ecosystem Services (PES) and other Innovation Mechanisms (IM)**

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**PERCENTAGE OF FOREST AND OTHER WOODED LAND UNDER MANAGEMENT CONTRACTS**

| Payments | Target | Realized (2016) | % Realized/Target |
|---|---|---|---|
| To support biodiversity (%) | | | |
| EU | 2.1% | 0.3% | 16% |
| Italy | 3.9% | 0.2% | 4% |
| To improve water management (%) | | | |
| EU | 0.8% | 0.1% | 14% |
| Italy | 0.8% | 0.2% | 19% |
| To improve soil management and/or prevent soil erosion (%) | | | |
| EU | 1.3% | 0.1% | 9% |
| Italy | 2.7% | 0.2% | 6% |
| To improve carbon sequestration and conservation * | | | |
| EU | 1.1% | 0.8% | 71% |
| Italy | 3.1% | 1.7% | 55% |

**Source:** ERND (2018)

(*): data reffered not to the total forest and OWL, but to the total forest and agricultural land

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# CONNECTING SCIENCE, POLICY & PRACTICE

- Inventory of Innovation Mechanisms in Europe
- Synthesis report on best practice design and implementation of Payments for Ecosystem Services (PES) and other Innovation Mechanisms (IM)
- Demand for policy support report
- **Pan-European survey on forest landowners and managers' perceptions on FES**



Note: not the final representation of the answers

# Learning architecture for innovation

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## CO-CREATION, CO-DESIGN & CO-IMPLEMENTATION

- Stakeholder mapping to identify key actors
- Local stakeholders in each region form Multi-Actor Groups (MAGs)
- MAGs involved in the design, implementation and evaluation of their case study, as well as learning from it, through facilitated meetings at key stages
- Co-Design event (Jan 2019) and Workshops (October 2019, Autumn 2020) facilitate cross-fertilisation and learning between case studies

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# Innovation Actions for Forest Ecosystem Services

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## SINCERE CASE STUDIES

◄ **Forests for water in Catalonia**
Strengthening the link between forests and water to diversify the financing of forest management.
**Spain**

◄ **Club GREY HORSE: Multiple ecosystems services via forest renters**
Multi-purpose lease by one lessee on a rented forest plot, to increase the economic efficiency of forestry.
**Russia**

**ECOPAY Connect: ►**
**Forest-habitat biodiversity payment scheme**
Linking social and ecological benefits with economic aspects through the spread of FSC® certification.
**Italy**

**Landscape and Recreation ►**
**Value Trade**
Compensation for forest owners for voluntarily enhancing the provision of landscape and recreational values.
**Finland**

◄ **The Mushrooms of Borgotaro IGP**
Online platform to improve commercialisation of recreational permits for wild mushrooms' collection.
**Italy**

◄ **Paying for watershed services to cities in Peru**
Reward for restoring ecosystems of a micro-watershed around a near-city lake via an increment in the urban water tariff.
**Peru**

## SINCERE CASE STUDIES

‹ **Reverse auctions pilot for biodiversity protection, Denmark**
Supporting the protection of biodiversity and landscapes as equal to the production of other services.
**Denmark**

‹ **Spiritual forests and forest kindergartens**
Exploring spiritual forests and kindergartens, their related goods, benefits and uses, and their adapted management needs.
**Switzerland**

**Understanding the health functions of peri-urban forests in protected areas** ›
Evaluating health as a component of forest ecosystem services, developing payments for ecosystem services.
**Croatia**

**Reverse auction pilots for forest ecosystem services in rural & peri-urban areas** ›
An alternative approach to stimulate the generation of much needed forest ecosystem services in a densely populated region.
**Belgium**

‹ **New legal framework for forest ecosystem services for Bizkaia county**
A new legal framework for forest and forestry to improve the provision, valuation and monitoring of ecosystem services.
**Spain**

## Transferable innovation mechanisms

## INNOVATION OUTPUTS

- Innovation Mechanism from each Innovation Action
- Synthesis of IA implementation → handbook
- Report on upscaling potential of Innovation Mechanisms
- Synthesis report on lessons learned in developing and implementing PES and other IM in Europe, in a global context
- Business package with business models and opportunities for Forest Ecosystem Service innovations

## Towards a European Policy Framework for FES

**POLICY OUTPUTS**

- Science-policy-practice interaction throughout project
- Event: Synthesising results and delivering policy recommendations – SynPol (2021)
- Policy brief with suggestions for a coordinated European policy framework for supporting IM for the supply of FES

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**OUTCOMES & IMPACT**

## WHAT WE HOPE TO ACHIEVE

- Eleven Innovation Actions in distinct regional settings locally align provision and demand for FES and create benefits from environmental, social and economic perspectives.

- Innovation Mechanisms, novel policies and business models are established, which have benefitted directly from the SINCERE co-design process → documented and shared with target stakeholders

- Forest owners / managers (FES suppliers) and societal demanders have increased knowledge and capabilities to innovate at the frontier between FES supply and demand.

- Entrepreneurs have increased knowledge about sustainable Innovation Mechanisms that are replicable or can be upscaled.

- Potential to bridge between forest ecosystem service providers and business partners from other sectors are clearly shown → more likely to be established.

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## WHAT WE HOPE TO ACHIEVE

- Policymakers have access to clear recommendations on supportive and hindering factors for the provision of FES, based on actual cases, paving the way for a European support architecture for the provision of FES.

- European scientists, entrepreneurs and policymakers are connected with global counterparts in the development of IA cases in Peru and the Russian Federation.

- International activities and networking ensure that Europe's contribution to the development of IM for FES is well-recognised at a global scale

- Public awareness about FES increases in the communities local to the project → (perceived) increased demand for FES and uptake of services provided.

- FES have an increased perceived value as a viable instrument, as society looks increasingly towards a sustainable bioeconomy.

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**A FINAL MESSAGE: WE NEED TIME TO REFLECT, CONSOLIDATE AND SHARE OUR RESULTS**



Thank you for your attention!