

PEGASUS

‘Public Ecosystem Goods and Services from land management: unlocking the synergies’

Regional Workshop

Need to focus on Areas of Natural Constraints (remote and mountain areas)

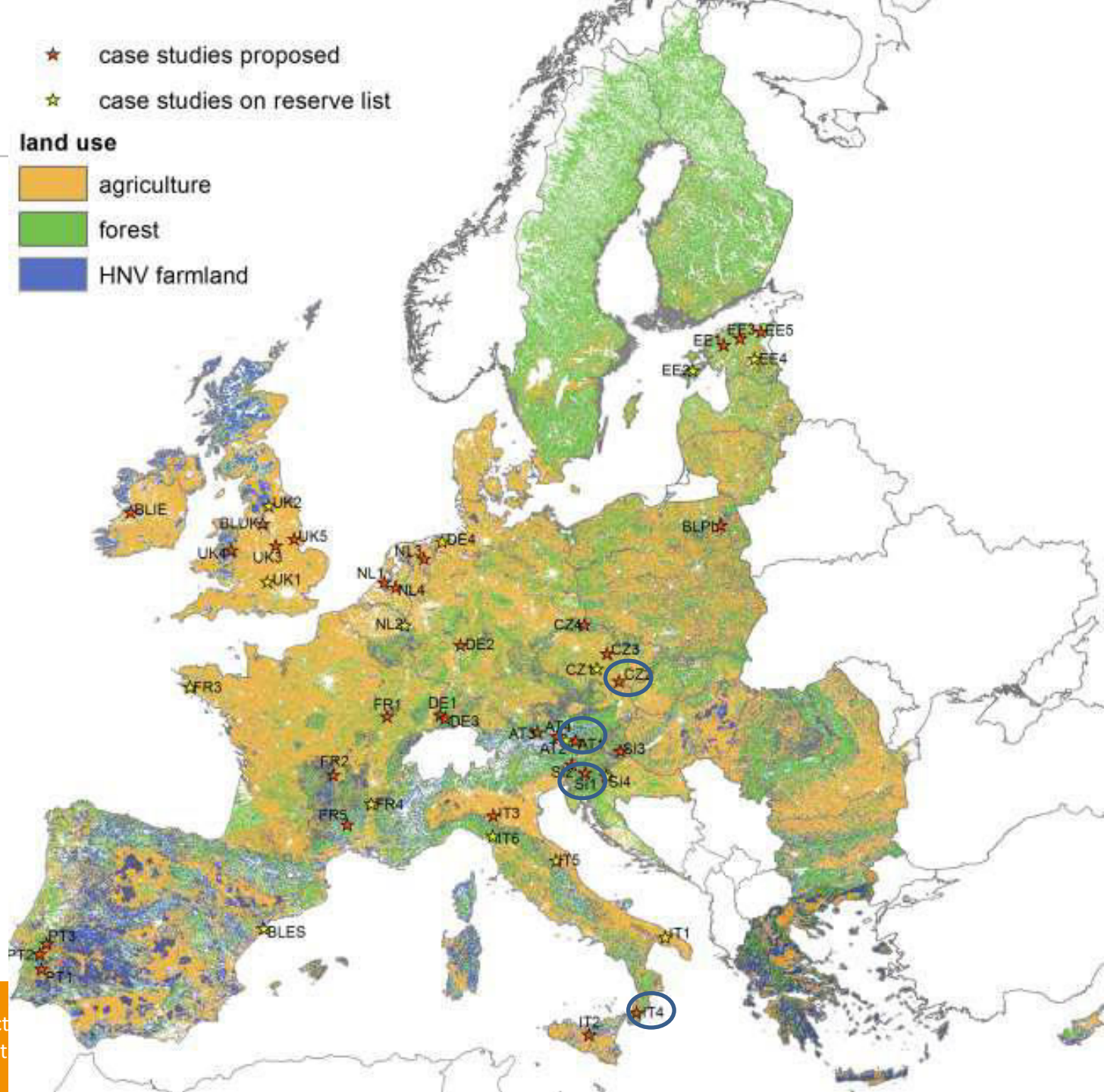
Federal Institute for Less-Favoured and Mountainous Areas

30 November 2017

Vienna, Austria

PEGASUS case studies

- ★ case studies proposed
 - ☆ case studies on reserve list
- land use
- agriculture
 - forest
 - HNV farmland



This project
under grant

Europe's Mountain Regions



PEGASUS
Public Ecosystem Goods and Services from
land management – Unlocking the Synergies



- Alps (55)
- Carpathian (17)
- Apennines (11)
- French / Swiss middle mountains (7)
- Central European middle mountains I (4)
- Central European middle mountains II (3)
- Pyrenees (12)
- Iberian mountains (20)
- Western Mediterranean islands (8)
- Eastern Mediterranean islands (5)
- Balkan / Southeast Europe (8)
- British Isles (17)
- Nordic mountains (21)



This project has received funding from the *European Union's Horizon 2020 research and innovation programme* under grant agreement No 633814

Mountain – Lowland linkages



- **Overarching objective:** PEGASUS aims to transform approaches to rural land management through unlocking the synergies between the economic and environmental benefits provided by agriculture and forest areas for society.
- provision of ESBOs ('environmental and socially beneficial outcomes') from farming and forest activities, very *diverse contexts* across Europe; and
- find solutions to enable the *long term* economic, social and environmental sustainability of the EU's farmed and forest land.
- ❖ SES framework: challenges for production and competition; valuing nature and public goods by external population; strong *inter-relationship* of ecosystems and ESBO provision.



Spatial changes in land management



- **Continuing challenges for future of land management in remote/mountain areas**

... shift from agricultural to forest land use, land abandonment; intensification; reduction of biodiversity level and landscape features; decline in amenities/attractiveness, population decline ... “downward spiral”.

- **Internal differentiation by local practices, management type, land use, shifts, intensity levels ... (practical tools)**

... land abandonment, HNV systems vs. intensification; value chains, quality development and labelling approaches; territorial branding; innovative technology use ...

- **Related research priorities**

... Strategic Research Agenda on mountain issues; from “disadvantage” to “assets”; H2020 call “Rural Renaissance” – “renewing rural generations”, “resilient mountain value chains” ...

- **Inherent and persistent obstacles**

... threat of neglecting value of public goods provision; reluctance to change / interact / elaborate community capacity and enhance institutional framework ...

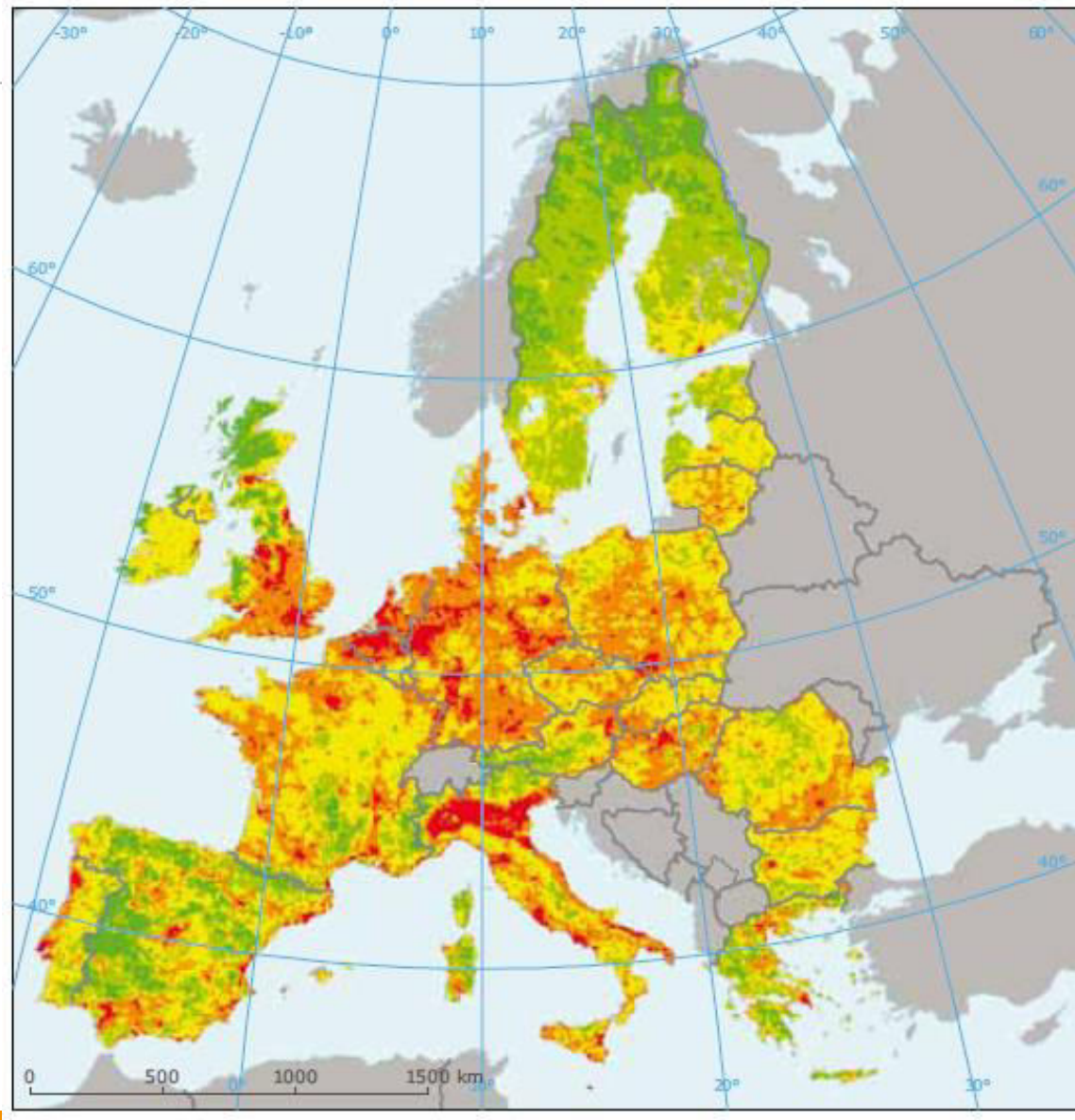


Natural and environmental assets

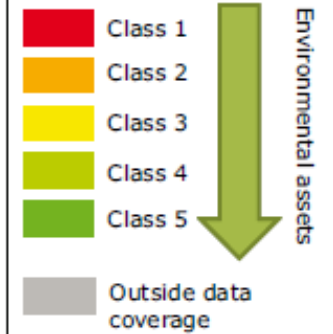


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**Natural and environmental
assets for the EU-27**

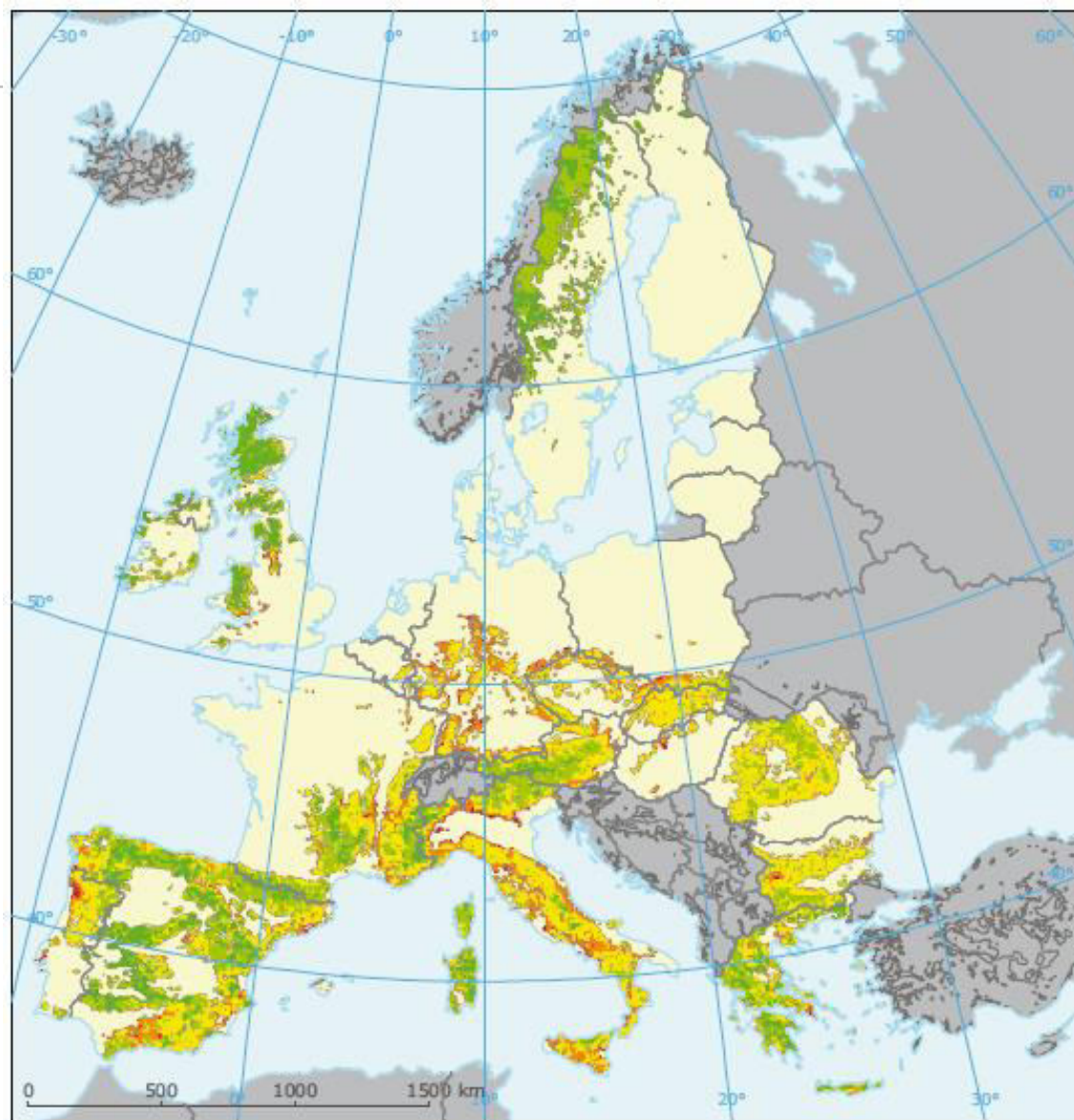


Source: EEA 2010, 192



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Natural and environmental assets (mountains)



Source: EEA 2010, 193



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Need for shaping service delivery of mountain areas

- Important role of extensive agricultural management systems and HNV farming
 - Aiming at “sustainable farming management”
 - Harness value chains (local/regional and large-scale business, and interaction; origin both agricultural and forestry sectors)
 - Address challenges and obstacles in supporting social innovation
 - Search for policy tools enabling ESBOs provision (with a focus on specific contexts)
 - Enhance learning of governance systems and institutional frameworks
 - Communicate main ESBOs of land management in mountain areas
- *“Mountains have the potential to be viable, vibrant places to live and work”*
(SRA – ‘Mountains for Europe’s Future)





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Selected PEGASUS case studies:

Agro-forestry in sub-alpine Slovenia (Upper Savinja Valley) – Ilona Rac (UoL);
Organic farming label in the mountain region Murau in Austria – Thilo Nigmann (BABF);
Birds and amphibians support on wet meadows in Czech Republic – Jaroslav Prazan (UZEI);
Bergamot, niche and organic products in Calabria in Italy – Francesco Vanni (CREA)

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