



**Mediterranean  
Network**

FORUM/22

# Mediterranean Forest Research Agenda **2030**



**WEBINAR #1**

**Forest management addressing  
trade-offs and synergies  
between multiple ecosystem  
services**

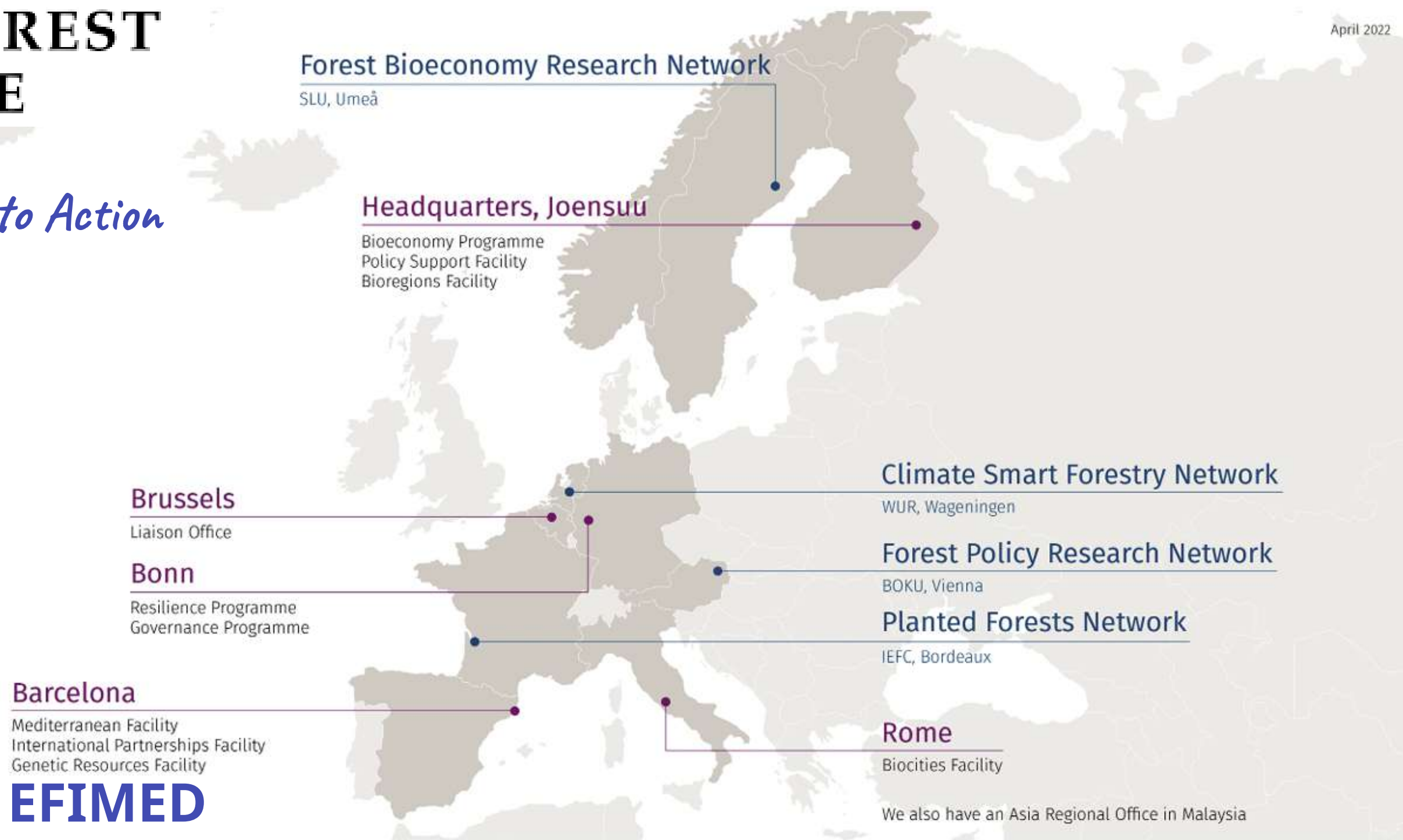
*Davide Travaglini,*  
University of Florence  
3 Nov. **2022**





# EUROPEAN FOREST INSTITUTE

*Connecting Knowledge to Action*







# Mediterranean Network FORUM/22

**Barcelona**

29 Nov. – 1 Dec.

**2022**



# Mediterranean Forest Research Agenda 2030



WEBINAR SERIES

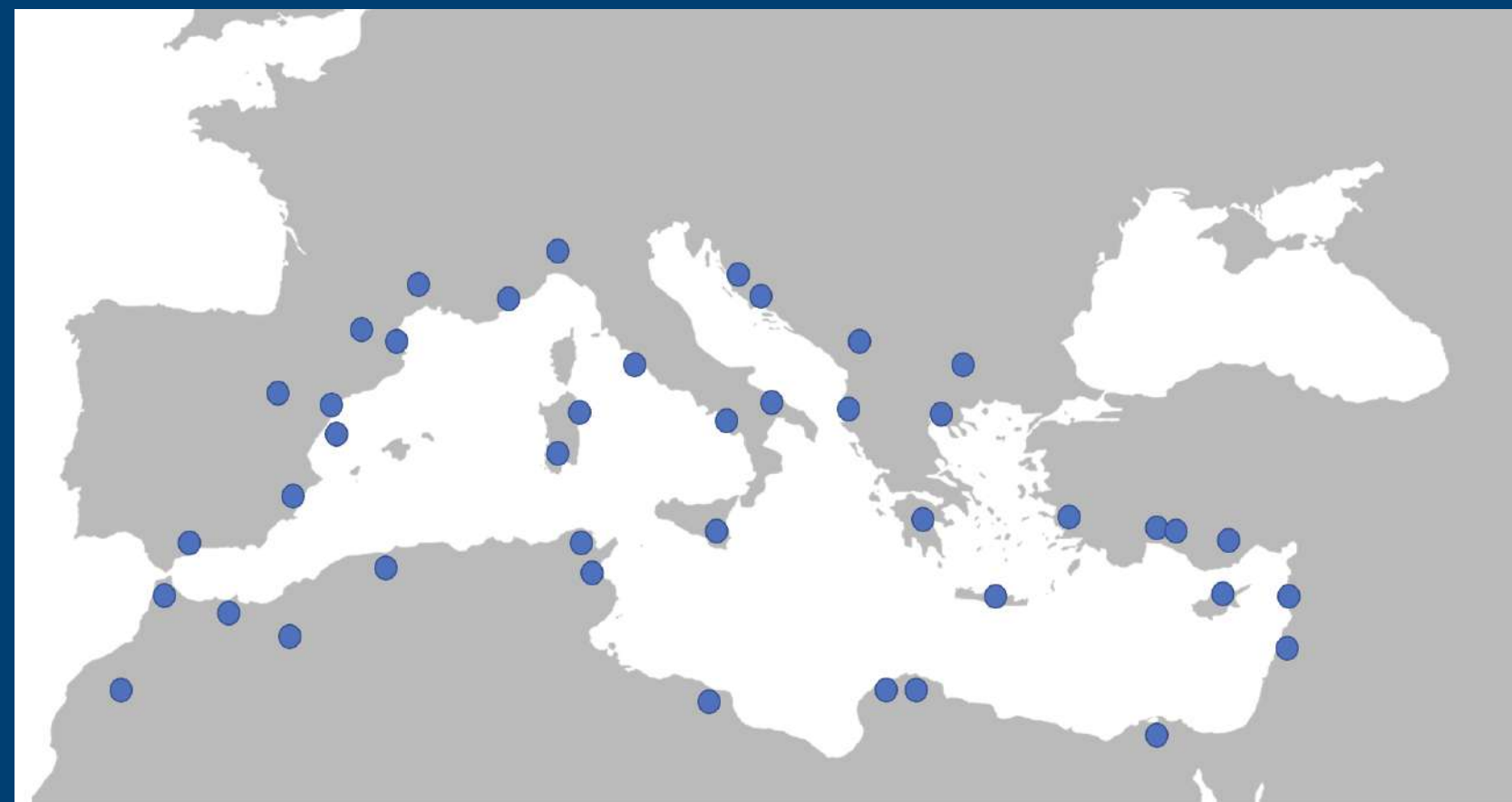


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Q2

**4 commissioned papers**







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WEBINAR #1

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*Davide Travaglini,*  
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# Mediterranean Forest Research Agenda **2030**



WEBINAR #2

Forest resilience in a context of  
global change-related forest  
disturbances

*Joan Pino,*  
CREAF  
Centre for Research on Ecology and  
Forestry Applications  
10 Nov. **2022**



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# Mediterranean Forest Research Agenda **2030**



WEBINAR #3

Conservation and management  
of biodiversity and forest  
genetic resources

*Bruno Fady,*  
INRAE  
French National Institute for  
Agriculture, Food, and Environment  
17 Nov. **2022**



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# Mediterranean Forest Research Agenda **2030**



WEBINAR #4

Social and business innovations  
and policy instruments to  
implement the Mediterranean  
forest-based bioeconomy

*Laura Secco,*  
University of Padova  
23 Nov. **2022**





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*Davide Travaglini,*  
University of Florence  
3 Nov. **2022**





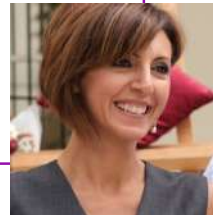
# European Forest Institute Mediterranean Facility



Mr. Michele Bozzano



Giuseppe Tripodi



Prof. Magda Bou Dagher Kharrat



Eduard Mauri



Sarah Adams



Carola Chusi



Gerard Fernández



Siebe Briers



Cecilia Fraccoroli



Miss Rhea Kahale



Mlle Leila Rossa Mouawad



Ms. Hiba Mohammad



Mr. Moustapha KOLAWOLE



Current Forestry Reports

<https://doi.org/10.1007/s40725-022-00167-w>



Susanna Nocentini



Davide Travaglini



Bart Muys

FOREST MANAGEMENT (M WATT, SECTION EDITOR)



# Managing Mediterranean Forests for Multiple Ecosystem Services: Research Progress and Knowledge Gaps

Susanna Nocentini<sup>1</sup>  · Davide Travaglini<sup>1</sup>  · Bart Muys<sup>2</sup> 

Accepted: 21 March 2022

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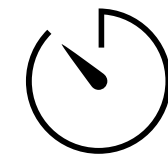
[Nocentini, S., Travaglini, D. & Muys, B. Managing Mediterranean Forests for Multiple Ecosystem Services: Research Progress and Knowledge Gaps. Curr Forestry Rep 8, 229–256 \(2022\).](#)



# Key research questions identified:

- 1- What risks and opportunities will large-scale **Mediterranean landscape transformations** present, and how can **multifunctional forest management (MFM)** adapt to respond to them?
- 2- What new **MFM** approaches are required to **support multiple ecosystem services** as an alternative to narrower approaches commonly used for wood production?
- 3- How can previously **understudied ecosystem services**, such as cultural and hydrological forest functions, best be identified, **quantified, and valued**?
- 4- Which **Decision-Support System** (DSS) will be most relevant to **MFM** in the Mediterranean? And how can we best integrate various aspects of the climate-change issues (mitigation and adaptation) in its design?
- 5- How can current advances in the availability of accurate, high-resolution spatial data help in estimating more precisely the **provision of multiple ecosystem services**?
- 6- How can **land abandonment** both positively and negatively impact biodiversity, ecosystems and local communities and the services that forests provide?
- 7- What approach of **vegetation management** can help spare human related activities and human lives in case of **wildfires**.
- 8- How might bioeconomy-related policies and strategies influence the design and implementation of **MFM** planning processes?





Go to **menti.com**

The voting code 2837 6745





# **Menti Results**

**Q#1 : Are the research questions relevant to your country?**

**Q#2 : Is there any missing research question?**



# Q#1: Where are you from ? (Country)



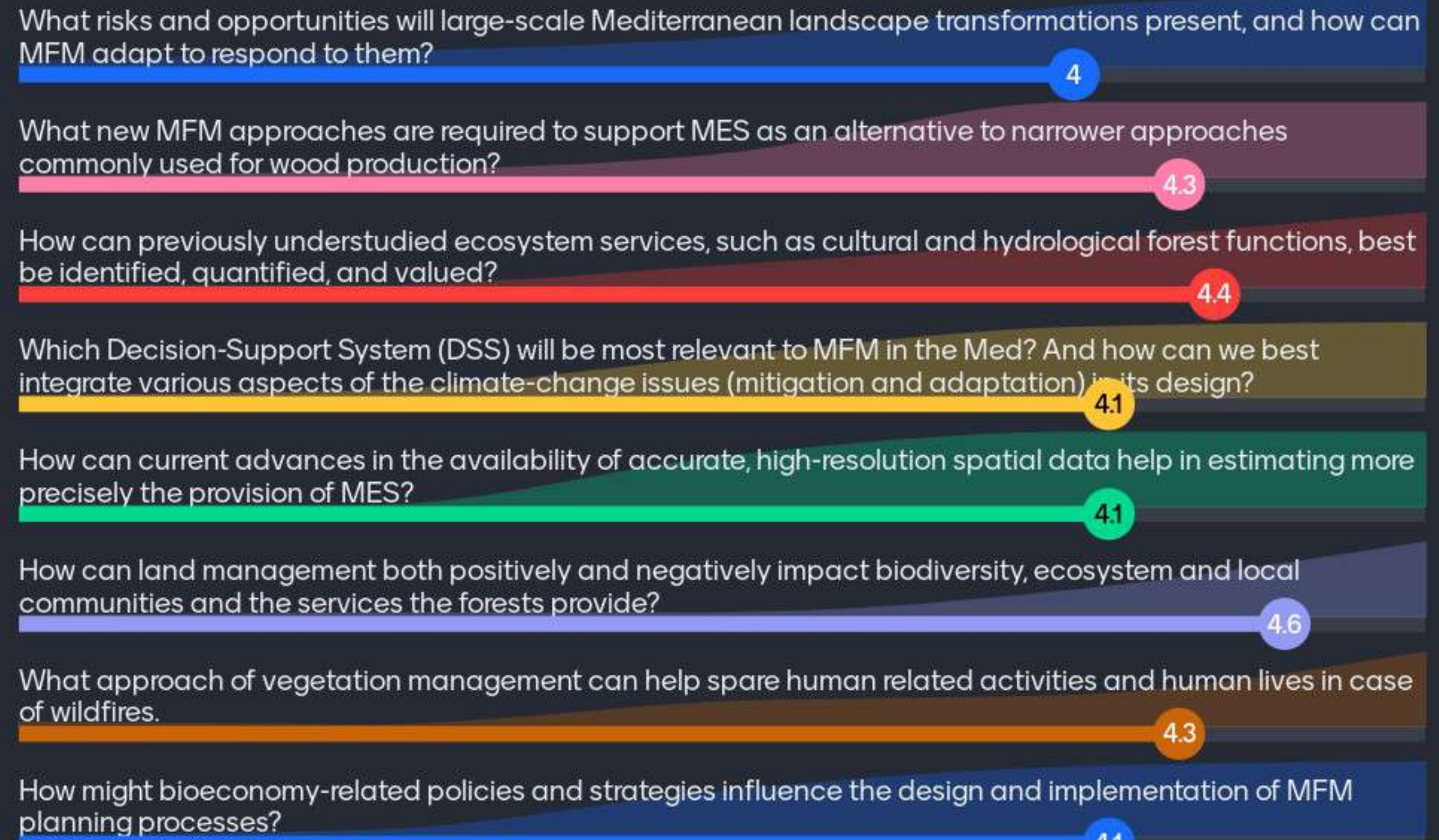


# Q#2 : Are the research questions relevant to your country?

**M**ultifunctional **F**orest **M**anagement - MFM

**M**ultiple **E**cosystem **S**ervices - MES

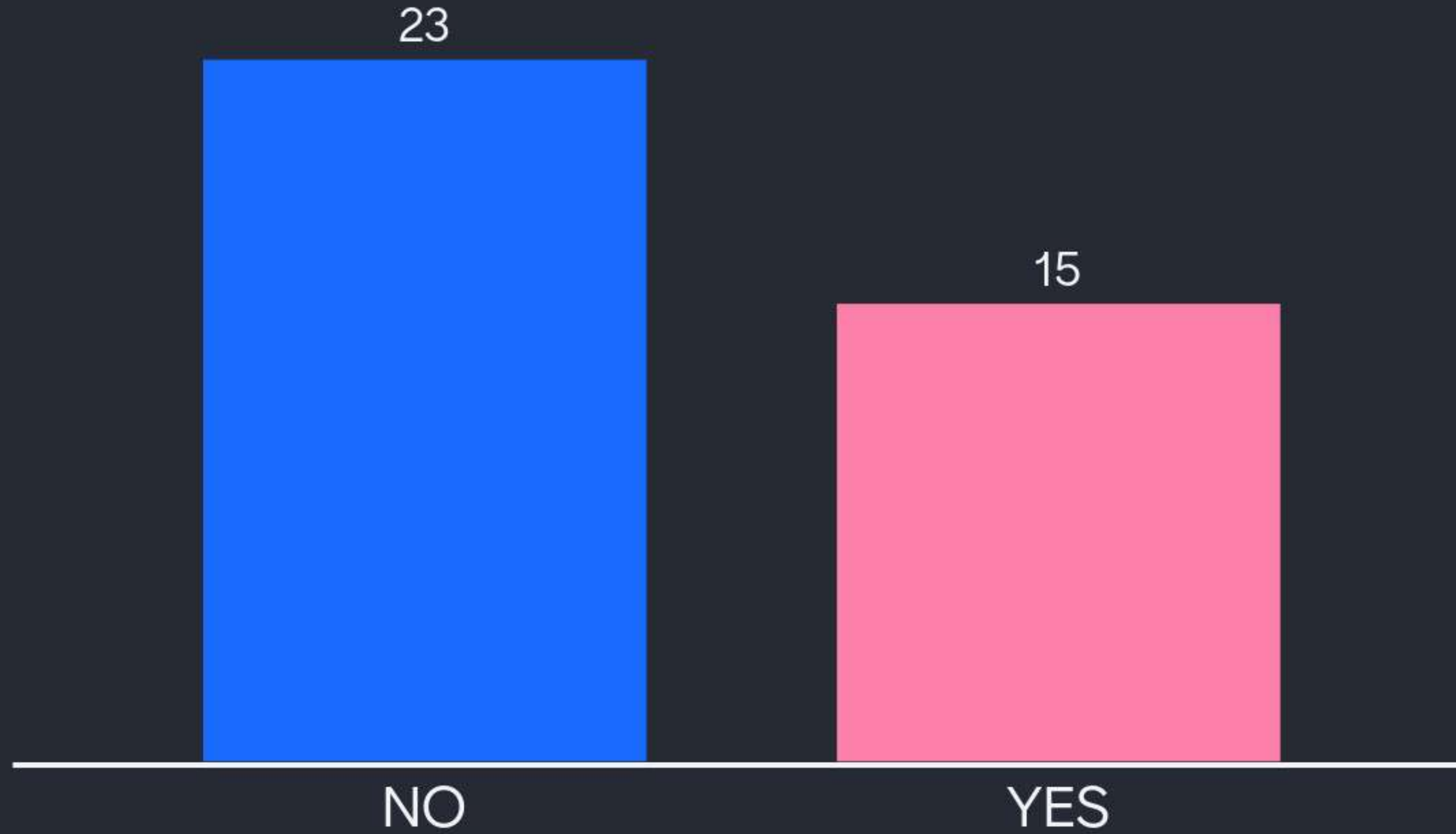
Strongly disagree



Strongly agree



Q#3 : Is there any missing research question? If yes, go to the next slide





# What research question is missing ?

12 questions  
90 upvotes

# What research question is missing ?

Questions raised by the audience and classified according to the number of upvotes:

Q1: How can we integrate multiple data sources (quantitative data, qualitative data and participatory tools) to fully understand and estimate the value of the whole array of Mediterranean ES? [24 upvotes](#)

Q2: How to reward landholders and land managers for sustainable management practices leading to the conservation of biodiversity and ecosystem services in the Mediterranean? [22 upvotes](#)

Q3: What role can wood-production forests play in the provision of ES? [8 upvotes](#)

Q4: How can we accelerate species adaptation to drought (e.g genetic, phenotypic diversity, migration)? [7 upvotes](#)

Q5: What kind of ES (cultural, regulating, provisioning etc.) forest genetic units (ex situ, in situ, circa situ) in Mediterranean region can provide, both for human beings and nature? [7 upvotes](#)

Q6: Are there existing forest management plans, and how integrated the ES to these plans? [7 upvotes](#)

Q7: What are the mismatch between ecosystem services provision and demand? [6 upvotes](#)

Q8 : How can multifunctional forest management for the provisioning of multiple ES can be integrated and respond to the application of all international/regional policies to achieve GreenDeal? [4 upvotes](#)

Q9: Currently which instruments allow to capture the economic value of forest ecosystem services ? [4 upvotes](#)

Q10: What are the more relevant time scales for understanding and managing IFM and planning and evaluating relevant policies? [3 upvotes](#)

Q11: What research question is missing ?comment estimer la quantité d'eau dans les bassins versant forestiers?



# Breakout rooms

Breakout rooms results

## Room 1



With Rhea KAHALE

## Room 2



With Leila ROSSA  
MOUAWAD

## Room 3



With Hiba MOHAMMAD

## Room 4



With Moustafa Kolawole

## Room 5

With Eduard MAURI



**Q1: Where are you from ? (Country name)**

**Q2: You are ...**

**Q 3: The main challenges in my country to implement the research proposed are ?**

**Q 4: What are the challenges to implement this work?**

**The voting code 2990 4681**





# Q1: Where are you from ? (Country name)



# Q 2: You are ...

1  
NGO representative

0  
Policy maker

15  
Researcher

3  
Student

0  
Forest manager

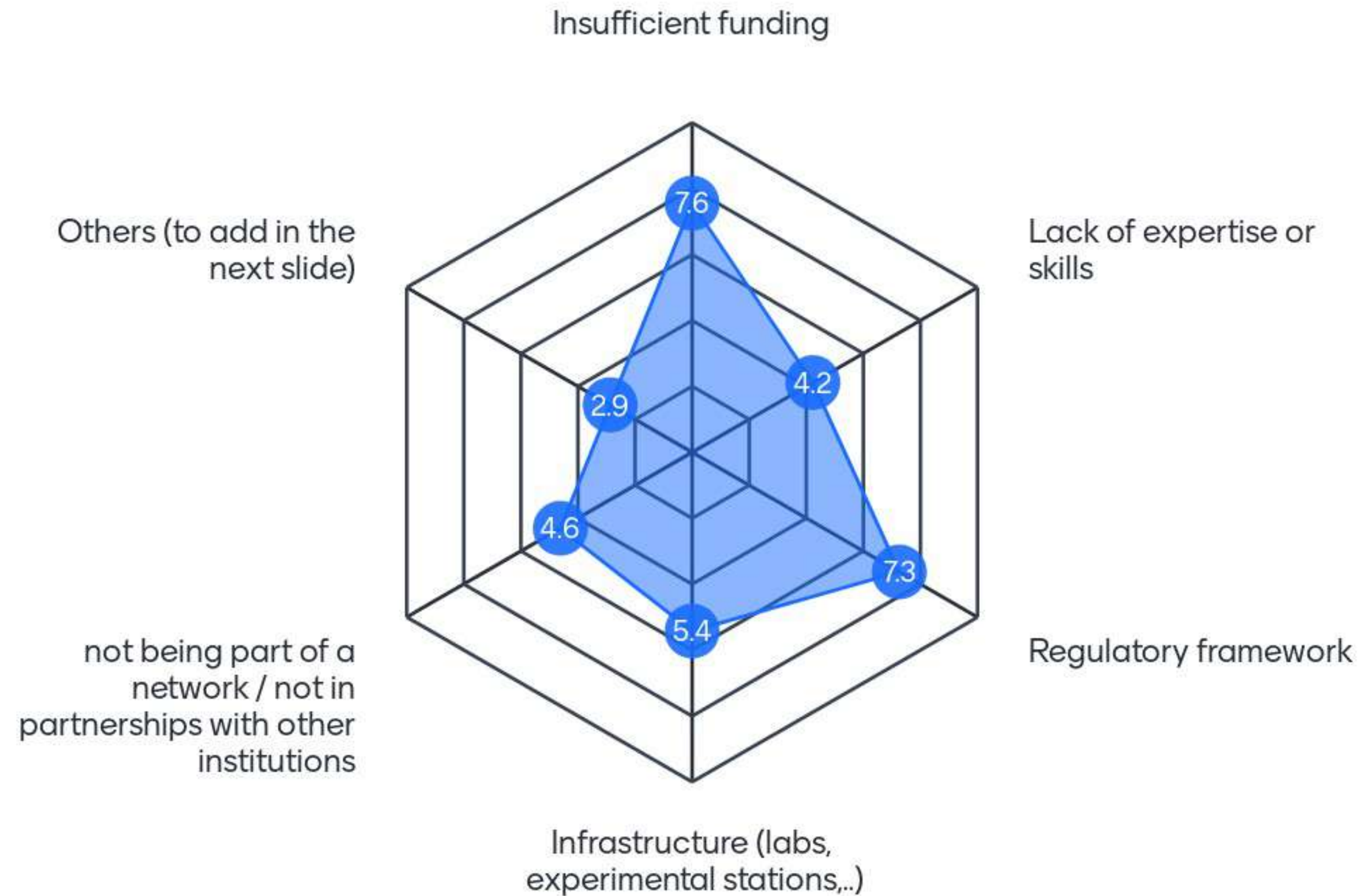
0  
Forest owner

1  
Government representative

3  
other



# Q 3: The main challenges in your country to implement the research proposed are ?





# Q 4: What are the additional challenges to implement this work?

civil society engagement  
 new forest activities  
 policy besides short time  
 violation of human rights  
 bad governance  
 long-term studies needed  
 no structural dialogue  
 stakeholder participation  
 differences between rural  
 communicate across countries  
 msc too theoretical  
 production targets  
 bottom-up policies  
 official frameworks  
 stakeholders  
 renew after the fire  
 private owned forests  
 corruption  
 lack of interdisciplinary  
 financing  
 operative networking  
 la persévérance  
 lack of inst collab  
 industry targets  
 international network  
 cooperation  
 clear vision and goals  
 no co-management  
 ces poorly studied  
 nwfp productivity  
 misuse of power  
 pasturing in the mf  
 discrimination of groups  
 need legal framework es  
 knowledge transfer  
 out of the box approach  
 no participatory approach  
 l'assiduité



# Discussion

problem with  
regulation in  
Spain and  
Portugal

Networking  
challenges

Difficulties for the  
southern and  
eastern rim of the  
Med

more funding  
possibilities from the  
European side ex : HE,  
COST, ... more difficult to  
the other Med side to  
join

forest fire  
desertification

integration of the  
ecosystem services in  
the management  
system

General education is not  
oriented to this sector

This is why there are a lack  
of expertise in this domain

second one is lack of  
governance in non EU  
countries

Updating curricula  
to align the current  
challenges with their  
content!

knowledge transfer between  
researchers, politics, forest  
owners, society... That is, how  
scientific knowledge about MFM  
and ES provisioning can be  
better communicated so the  
regional and or local politics can  
help or support that so owners  
and society contribute to it

Consider Mediterranean  
heterogeneity at different  
levels by considering the  
whole biodiversity in  
ecosystems and not only  
trees

# RESOURCES - Featured scientific papers

**SP1 #1:** [Unravelling opportunities, synergies, and barriers for enhancing silvopastoralism in the Mediterranean](#)

**SP #2 :** [Habitat Suitability for Small Mammals in Mediterranean Landscapes: How and Why Shrubs Matter](#)

**SP #3:** [From concepts to practice: combining different approaches to understand drivers of landscape change](#)

**SP #4 :** [Sustainable Forest, Beautiful Forest, Well-Managed Forest: Attitudes towards Land Management and Their Influence on the Perception of a Mediterranean Agroforestry Landscape](#)

**SP #5:** [Governing Europe's forests for multiple ecosystem services: Opportunities, challenges, and policy options](#)

**SP #6 :** [Depopulation impacts on ecosystem services in Mediterranean rural areas](#)

# RESOURCES - Videos

**V #1 : Ecosystem services :** <https://youtu.be/wMIUglBligl>

**V #2 Ecosystem services and Biodiversity - Science for Environment Policy** <https://youtu.be/D6luBEJfi3s>

**V #3 : FAO Policy Series: Ecosystem Services and Biodiversity**<https://youtu.be/nMfRRkUhNOYY>



# RESOURCES - Projects

SINCERE <https://sincereforests.eu/>



# RESOURCES - Report

**Non-wood forest products for people, nature and the green economy.  
Recommendations for policy priorities in Europe**



**Non-wood forest products for people,  
nature and the green economy**

# Participants from around the World

