SUPERB
Upscaling Forest Restoration

SUPERB - Systemic solutions for upscaling of urgent ecosystem restoration for forest related biodiversity and ecosystem services

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101036849.

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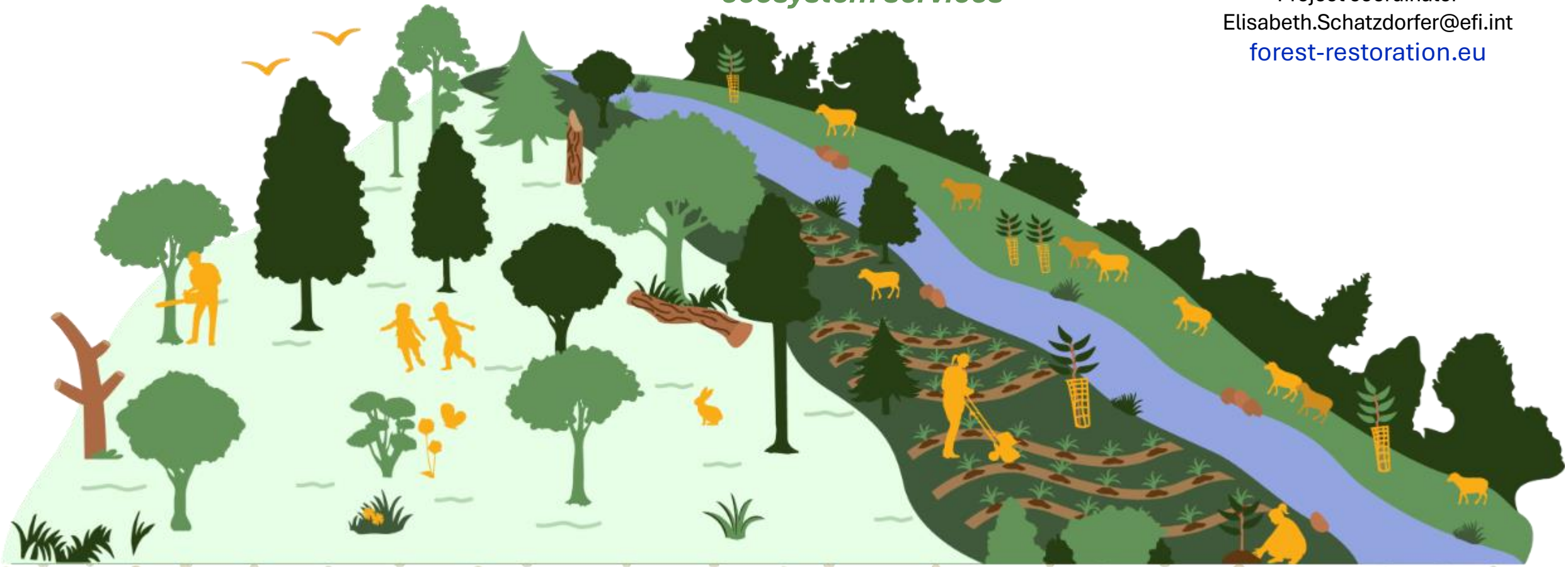
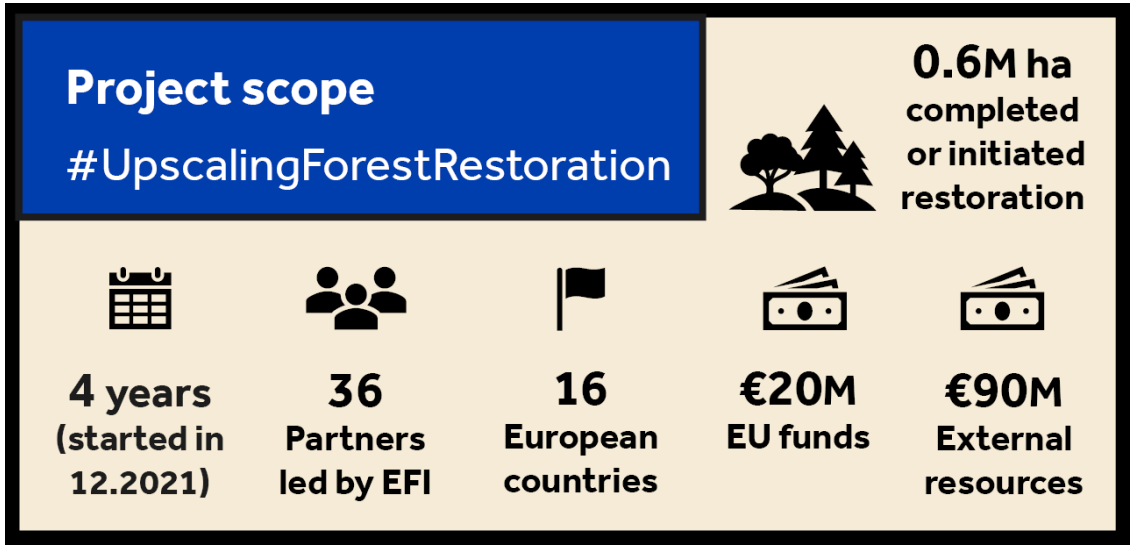


Overall goal

SUPERB aims to **restore forest landscapes** across Europe by creating an enabling environment for the implementation of **forward-looking** forest restoration and management at different scales.



WP X Task X

Reaching transformative change through:

1. Demonstrate and test successful restoration approaches in 12 large-scale demonstration areas

2. Improve societal support for restoration and benefits from restoration

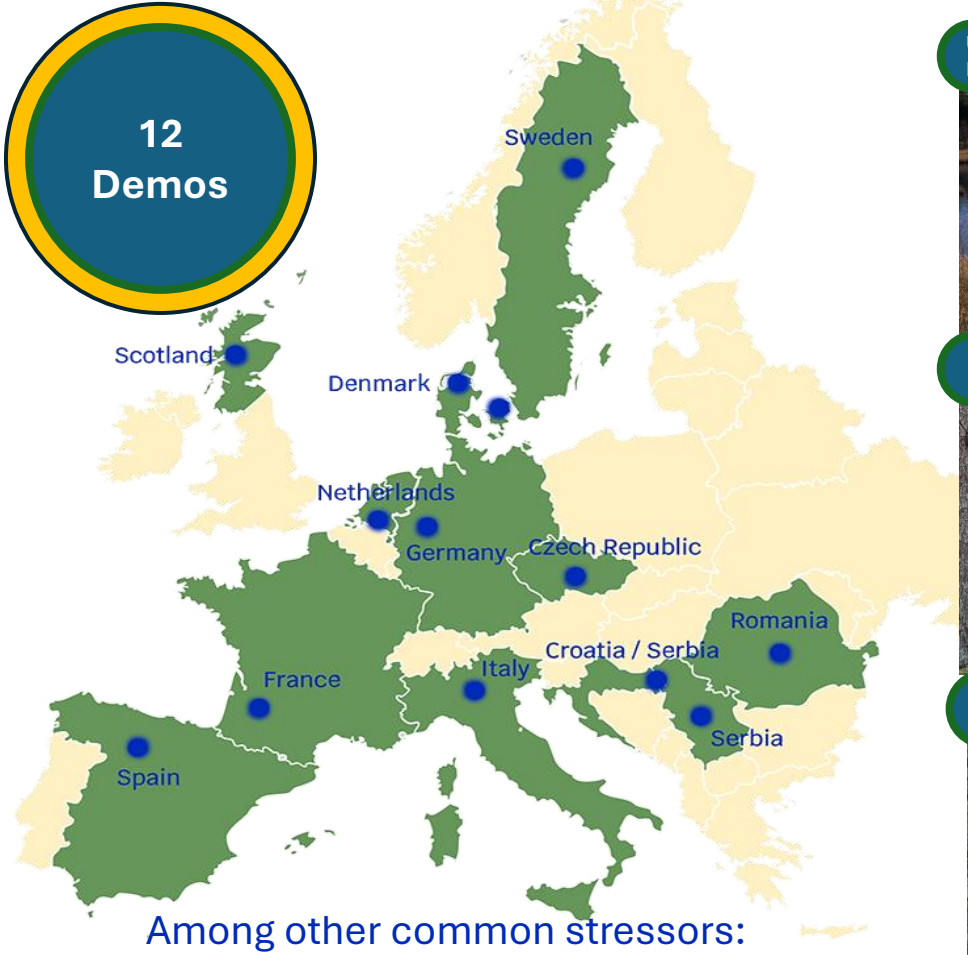
3. Deliver evidence-based practical and latest scientific knowledge

4. Deliver an online multi-language stakeholder-targeted Forest Restoration Gateway

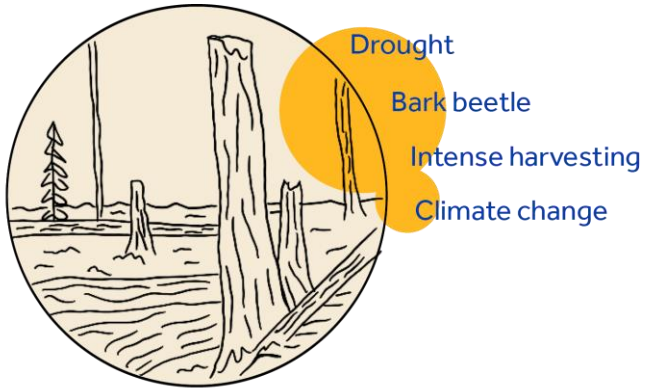
5. Launch an interactive online Marketplace

6. Create a large & powerful multi-stakeholder network and movement for transformative restoration

12 Demos



Among other common stressors:



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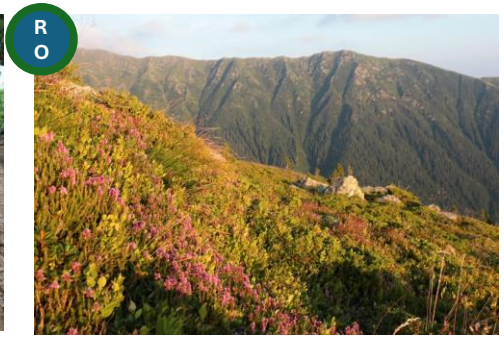


Prestoration

Integrating highly-needed CC adaptation into forest restoration

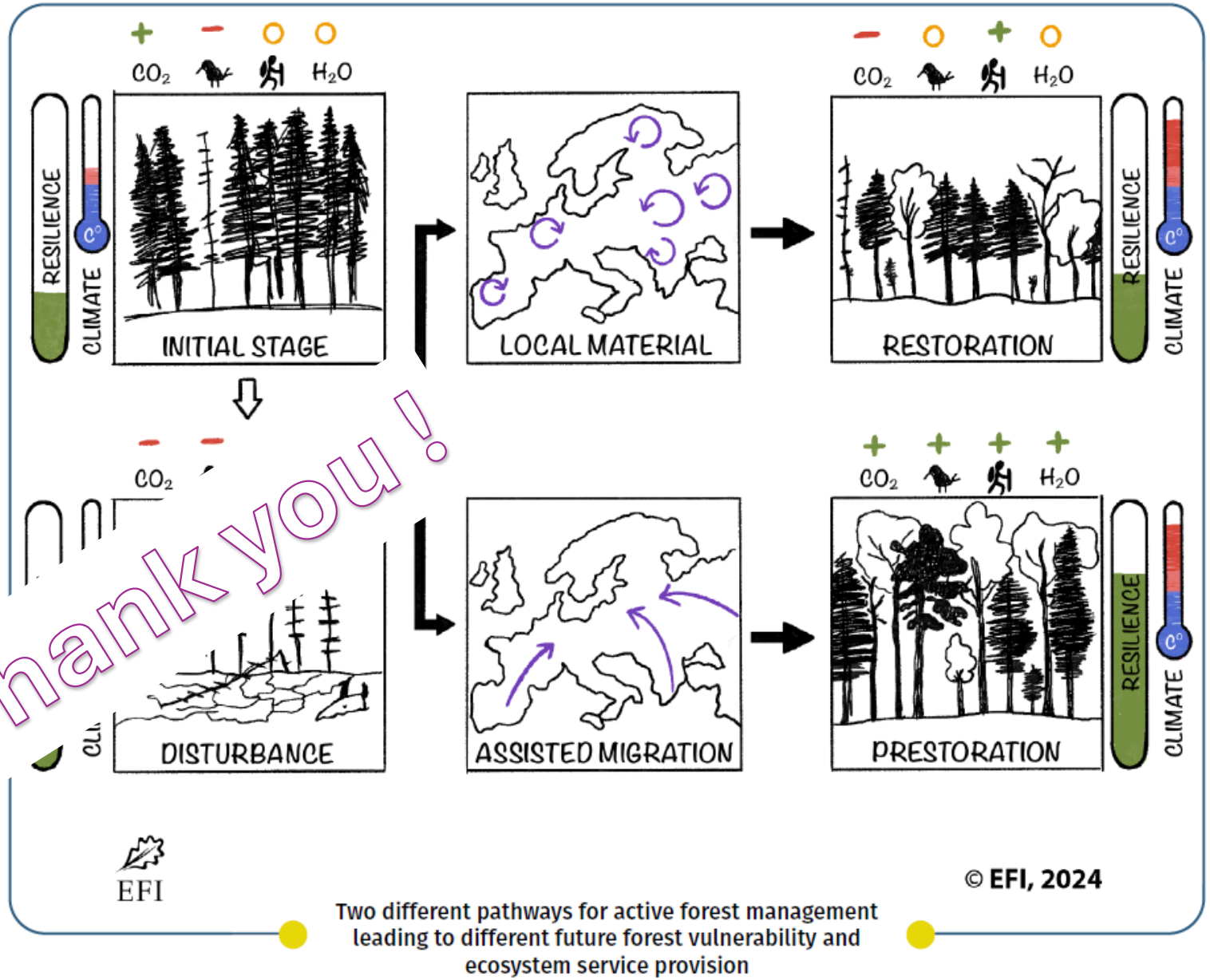
Important tool from SUPERB: seed4forest app

Various **barriers** exist:

- Question about nativeness
- Adaptation of forest habitats in Natura 2000 areas
- Nature Restoration Regulation does not provide answers to this issue, as CC is more considered as a reason to not fulfil to obligations of the regulation, rather than providing advise on how to adapt
- Availability of seeds and seedlings of suitable species and provenances
- BROWSING

Recommendations:

- **Use a strategic blend of passive and active restoration measures**
- **Understand assisted tree species migration as an essential risk mitigation measure**
- **Identify and conserve local genetic material**
- **Redefine the concept of European native tree species based on their potential future ranges**
- **Set realistic restoration targets that can be achieved**



Two different pathways for active forest management leading to different future forest vulnerability and ecosystem service provision

Thank you !

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Chakraborty et al. 2024. How to strengthen the European forest carbon sink through prestoration: integrating active restoration and adaptation. Policy Brief 11. European Forest Institute. https://doi.org/10.36333/pb11