

Martin Mikoláš

Czech University of Life Sciences Prague role in the project: monitoring in Romania

forest-restoration.eu

@SUPERB_project

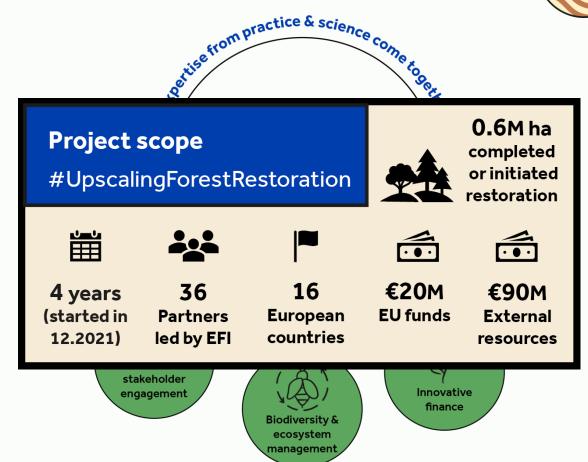


Overall goal



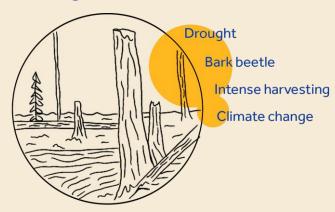
SUPERB aims to restore forest landscapes across Europe by creating an enabling environment for the implementation of forward-looking forest restoration at different scales.





We have 12 largescale demo areas in 12 countries, representing diverse stressors on European forests and a wide range of necessary restoration actions.

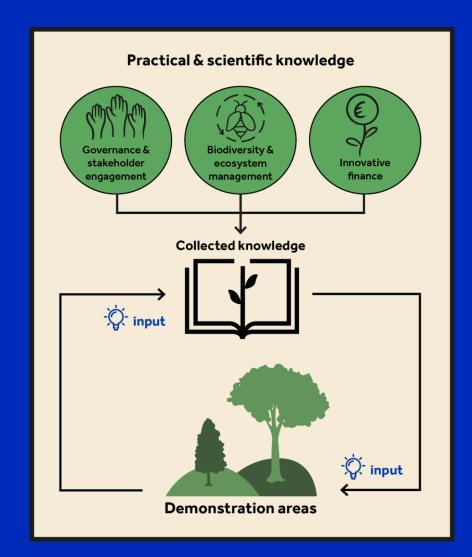
Among other common stressors:







Our aim is to demonstrate **best** practices and collect practical and scientific knowledge on successful forest restoration and synthesise it for action.

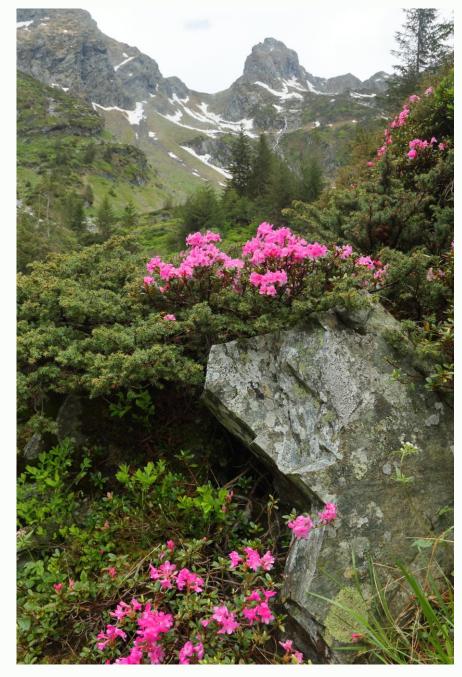






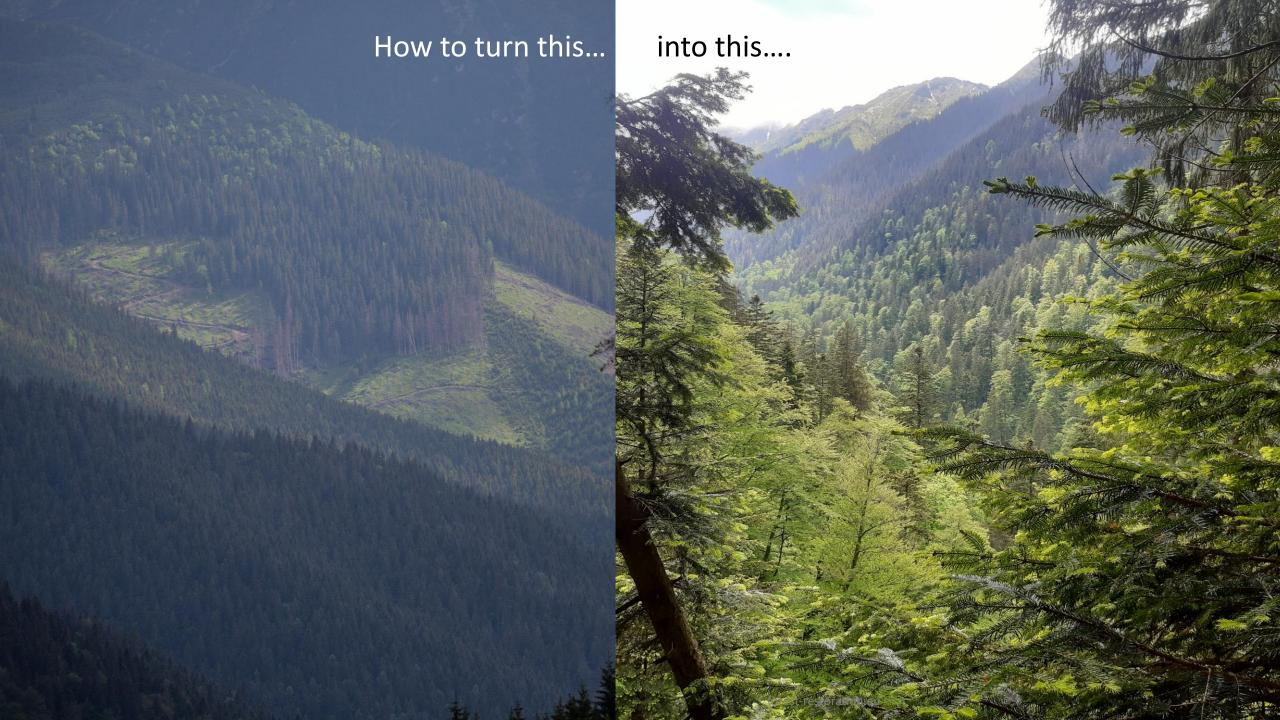
Connecting & enlarging old growth remnants, Fagaras mountains

- protect and connect old growth forest fragments
- establishment of buffer zones for primary forests
- application of ecological forestry in special areas to increase the structural diversity and a transfer to a non-destructive economy.
- restoration of the upper timber line and alder galleries





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Spruce monocultures (40 and 85 years old) - transfér to mixedbeech dominated forests after thinning planting saplings of species such as Fagus sylvatica, Abies alba and Acer pseudoplatanus







In case of natural disturbance, the area left for natural regeneration and spontaneous development, with no wood extraction







Diversifying the composition of species inside planted clear cut areas









Restoration of riparian habitats and alder galleries: elimination of spruce, planting of alder galleries, the release of beaver.



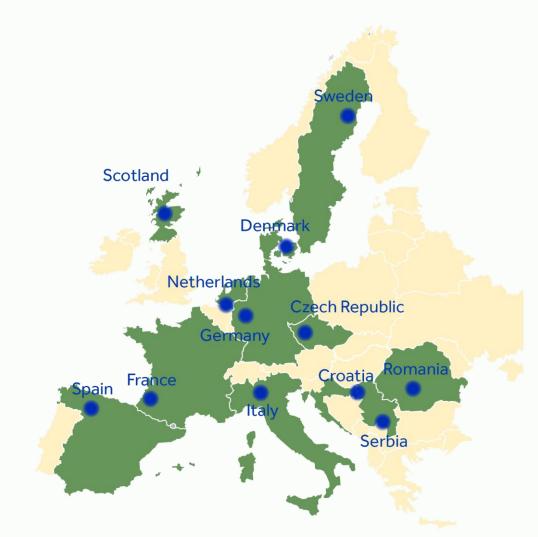


Restoration activities in alpine areas: Arrolla pines regeneration in upper timber line dengraded by grazing



Biodiversity and Carbon Monitoring

- sampling chronosequences of restoration pathways in the 12 demos
- Structural inventory (structural biodiversity indicators, aboveground carbon)
- biodiversity assessments
 assisted by remote sensing,
 citizen science, DNA
 metabarcoding, and bio acoustic recording of
 species.
- measurements of soil carbon content, stability, and biological activity
- demonstrate the effectiveness of restoration in the 12 demos and derive guidelines.









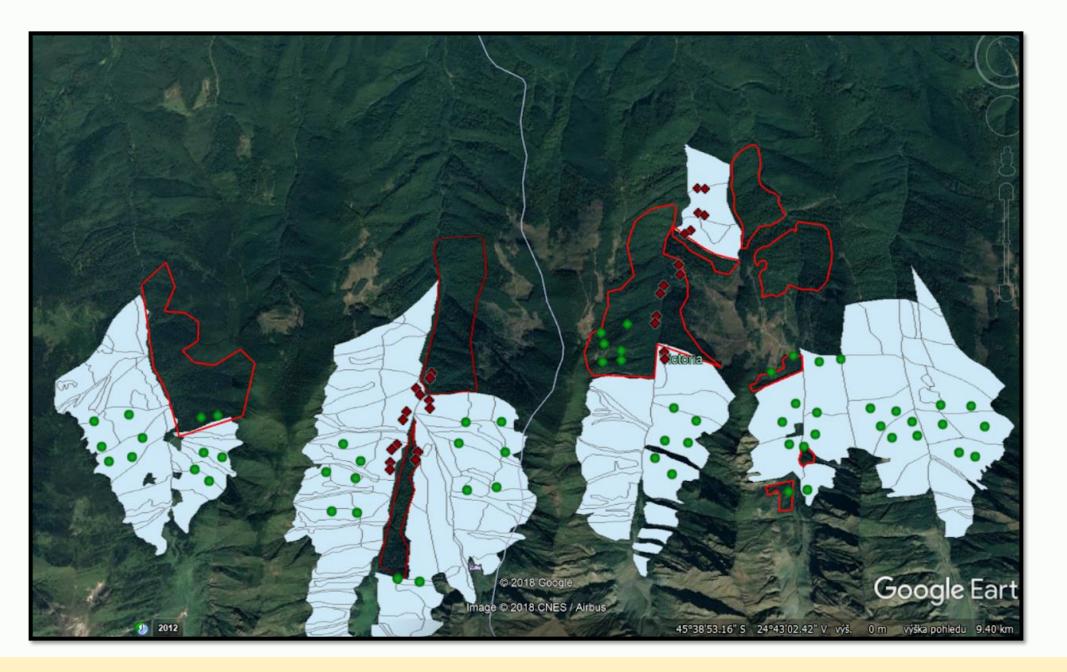
- some remaining primary forests are still not identified and/or protected
- forest owners and authorities are not willing to declare protection of these areas
- there is a lack of trust on long term in the official compensation payments system.
- Moreover, lack of immediate financial compensation affects the decision-making processes.









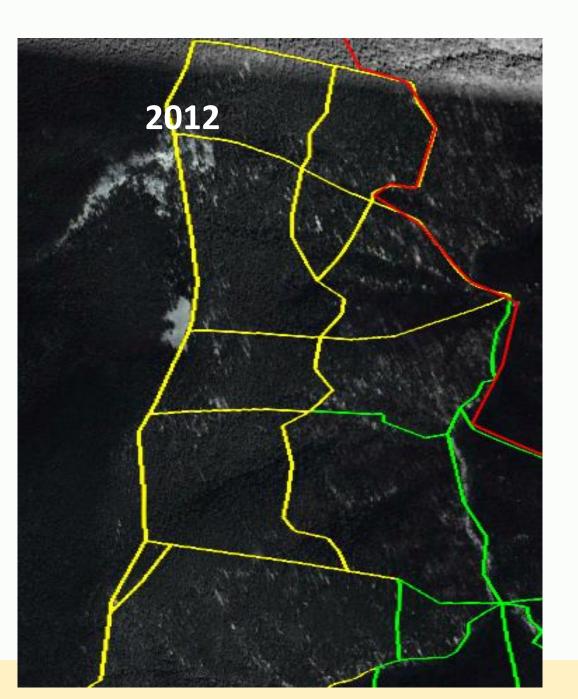


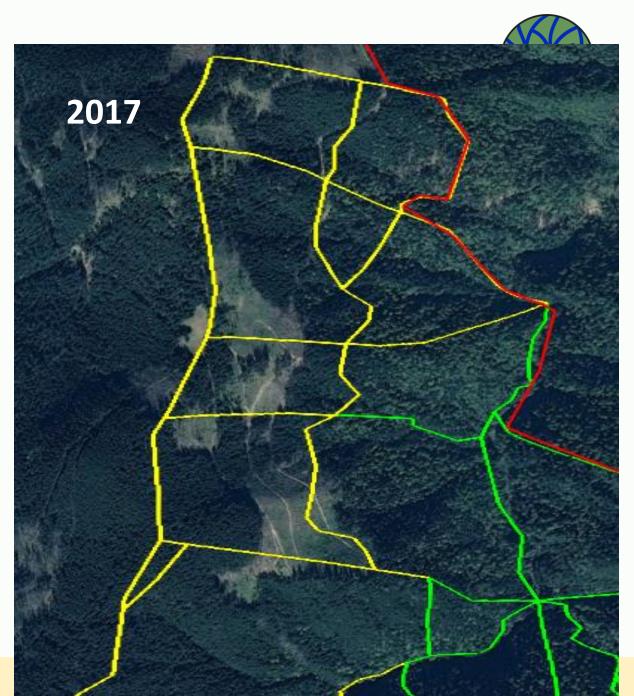


















Thank you!



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Czech University of Life Sciences Prague role in project: monitoring in Romania and Czech Republic







