



# OptforEU and other Horizon Europe Cluster 6 projects on Climate Change and Forest Resilience

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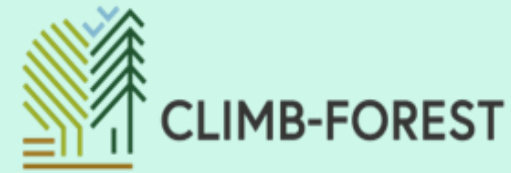
# Horizon Europe - Cluster 6

## Projects on Climate Change and Forest Resilience

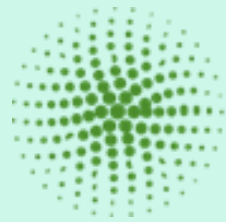
ECO2ADAPT  
CLIMB-FOREST  
INFORMA  
**OPTFOR-EU**  
RESONATE  
FORGENIUS  
OPTFORESTS



- Help stakeholders managing forest systems to **optimize social and ecological resilience** by providing novel tools.
- Help policy-makers at regional, national, **European and Chinese** level to better predict the impact of policies on social-ecological resilience, biodiversity, climate change adaptation and economy
- **Overcome bottlenecks** preventing widespread implementation of adaptive forestry through **living labs in France, Greece, Finland and Lithuania**
- **Ecosystem-based adaptation should have a prominent place in forestry.**



- Ensure that **Europe's forests are resilient to climate change** and support people and nature.
- Advance understanding of the current state and **functioning of European forest ecosystems** under different management practices and of current and future trends in demand for wood and wood-based products
- **Process-based and data-informed model approaches** for developing and quantifying scenarios of the future state of European forests and how they will function in a warmer world
- Create new tools, interactive maps and best practice guidance.



**informa**

SCIENCE-BASED INTEGRATED  
FOREST MANAGEMENT  
FOR CLIMATE MITIGATION

- Develop Sustainable Forest Management practices that **enhance carbon sequestration** while protecting biodiversity under future climate change scenarios
- Case studies representing **5 major biogeographical regions in Europe**
- Propose **tailored portfolios of best regional multi-purpose SFM practices** adapted to regional conditions and circumstances
- Recommend technical and economical improvements to existing carbon **certification mechanisms**



- Support EU forests in their capacity to **mitigate and adapt to climate change**.
- Decision Support System (DSS) to provide forest managers and stakeholders with tailored options for **optimizing decarbonization and other Forest Ecosystem Services (FES)** across Europe.
- Enable forest managers to **identify optimal Forest Management Practices and Nature Based Solutions** for the provision of sustainable forest ecosystem services and resilient forest ecosystems across Europe.
- Case studies in **8 regions relevant for the EU forest ecosystems**.



- Improve **resilience in value chains to help forests face climate change** challenges
- Develop guidance to adapt the **management of forests to cope with climate-induced forest disturbances**
- Deliver user-oriented recommendations and decision support with tools including, e.g. **a Resilience Dashboard.**



- Enhance forests adaptation to climate change by **using genetic resources** (former GenTree)
- Develop **methods and tools for better value access to Forest GenRes** currently existing in 35 European countries
- 2 key networks: **EUFORGEN & EUFGIS Information System**

# OPTFORESTS

- Recommendations for deployment of **adaptable forest management linked to future climates.**
- Establish a **European network of 20 next-generation common gardens**, containing provenance and species mixtures and unique tree.
- Develop forest management and (low-input) **breeding strategies that optimise the use of genetic diversity for adaptation.**
- Proposals for **expansion of capacity and increased cooperation among nurseries**
- **Link FOREMATIS and EUFGIS Information Systems** to support decision making processes.