OPTFOR-EU CONTRIBUTIONS TO THE EU GREEN DEAL AND EU FOREST STRATEGY 2030

EU FOREST STRATEGY

EUROPEAN GREEN DEAL

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Climate Neutrality

- Essential forest mitigation indicators (EFMIs)
- Physical processes and forest-climate interactions through modelling
- Tailored management options
- Stakeholder engagement plan

Reducing Greenhouse Gas Emissions

- Quantification of key forest-climate interactions and their influences
- model simulations for FMP, socioeconomic and climate scenarios
- Monitoring different strategies impact on GHG variation

Clean Energy Transition

- Informing stakeholders about various management scenarios
- Projections and trends of forests characteristics
- Scientific-based knowledge of decarbonization capacity of forests and its products
- Collaboration networks that will enable access to wood-based and other renewable sources markets
- Providing solutions for low-productive forested area or lands

Circular Economy

- Projections and analysis of current and future FES under various climate conditions and at different geographical scale
- Framework for managers to find the optimal solutions to boost the circular economy
- Raises awareness and building knowledge on the circularity of forests, notably, in all the main forest types in EU

Biodiversity Preservation & Sustainable Use

- European-level map of all forest types
- High-resolution model simulations
- Stakeholder engagement
- Identifying the socio-economic conditions for the extension of protected areas

Just Transition

- Multi-actor approach (MAA) enabling engagement across the entire lifetime of the project
- Training of forest managers in using and understanding the necessity of a decision-support system

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Supporting the socio-economic functions of forests for thriving rural areas and boosting forest-based bioeconomy within sustainability boundaries

- Multi-actor approach (maa) to empower stakeholders
- Validated ways of engagement with stakeholders
- Modelling the F-C nexus, medium- and long-term carbon stock dynamic of different forest types under a changing climate
- Lean startup approach address the requirements from a variety of forests management
- Drivers that either hinder or support the up-take of strategies for climate change mitigation in forestry

Protecting, restoring and enlarging EU's forests to combat climate change, reverse biodiversity loss and ensure resilient and multifunctional forest ecosystems

- Monitoring of current resources
- Engaging stakeholders in building new knowledge regarding the role of forests to halt biodiversity loss and fight climate change
- Promoting and raising awareness on eus forests going beyond the ecological aspects
- User-specific optimization of the DSS
- EFMIs to protect, restore and enlarge eu's forests

Monitoring, reporting and data collection

- Database of harmonized forest climate and EFMI data
- Gridded map of EFT
- Up-to-date european integrated harmonized land cover datasets and user-derived forest management planning through improved global and regional models on european forests (3D-CMCC-FEM and PICUS)

Strong research and innovation agenda and to improve our knowledge on forests

- Identifies the gaps in research and knowledge while prioritizing future needs and requirements of users
- Evidence-based solutions for the up-take of forest restoration measures
- Promoting ETS and the importance of certification schemes
- Citizen science methods such as MAA provides future incentives for the citizens science programme for forest biodiversity
- Database on stakeholder mapping across countries in europe
- Improving knowledge through diferent levels of engagement at diferent scale

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