



FSC in partnership with the SafeNet Project, Safeguarding Biodiversity and Carbon-rich Forest Network in Europe

Europe's forests face escalating threats from climate change, land use, and habitat loss, which strongly affect both their **biodiversity** and their ability to **store carbon**. Amid these rising **ecological challenges**, forests are expected to provide natural resources, support local communities, and help meet climate goals. **SafeNet** will **strengthen the EU's ambitious policies and regulations**, helping forests safeguard existing biodiversity, stay resilient, diverse, and full of life for generations to come.

CONSORTIUM

The **SafeNet** consortium is led by the Natural Resources Institute Finland (Luke) and comprises **14 partners** with multi-disciplinary, complementary expertise from across **11 countries**.

CONTACT

COORDINATION & MANAGEMENT
Natural Resources Institute Finland
Jukka Forsman, Mikko Peltoniemi & Jacqueline Moustakas-Verho

COMMUNICATIONS
ERINN Innovation
Mathilde Vidal

Authors

Mathilde Vidal
Scientific Project Officer, ERINN Innovation, Ireland

Bence Lukács
Senior Research Fellow, ESSRG Kft, Hungary

Marion Karmann
Senior Research Relations Manager, FSC International

- Methods**
- Cutting-edge fieldwork and remote sensing methods for **biodiversity monitoring**.
 - Mathematical **modelling of species** communities and distributions.
 - Integrated assessment and land surface models to support a pan-European **scenario analysis**.
 - Tools for **prioritization and optimization** of forest management and conservation strategies at European and local scales.
 - **Living Labs for co-developing** management and policy solutions with stakeholders.

Scope and main objectives

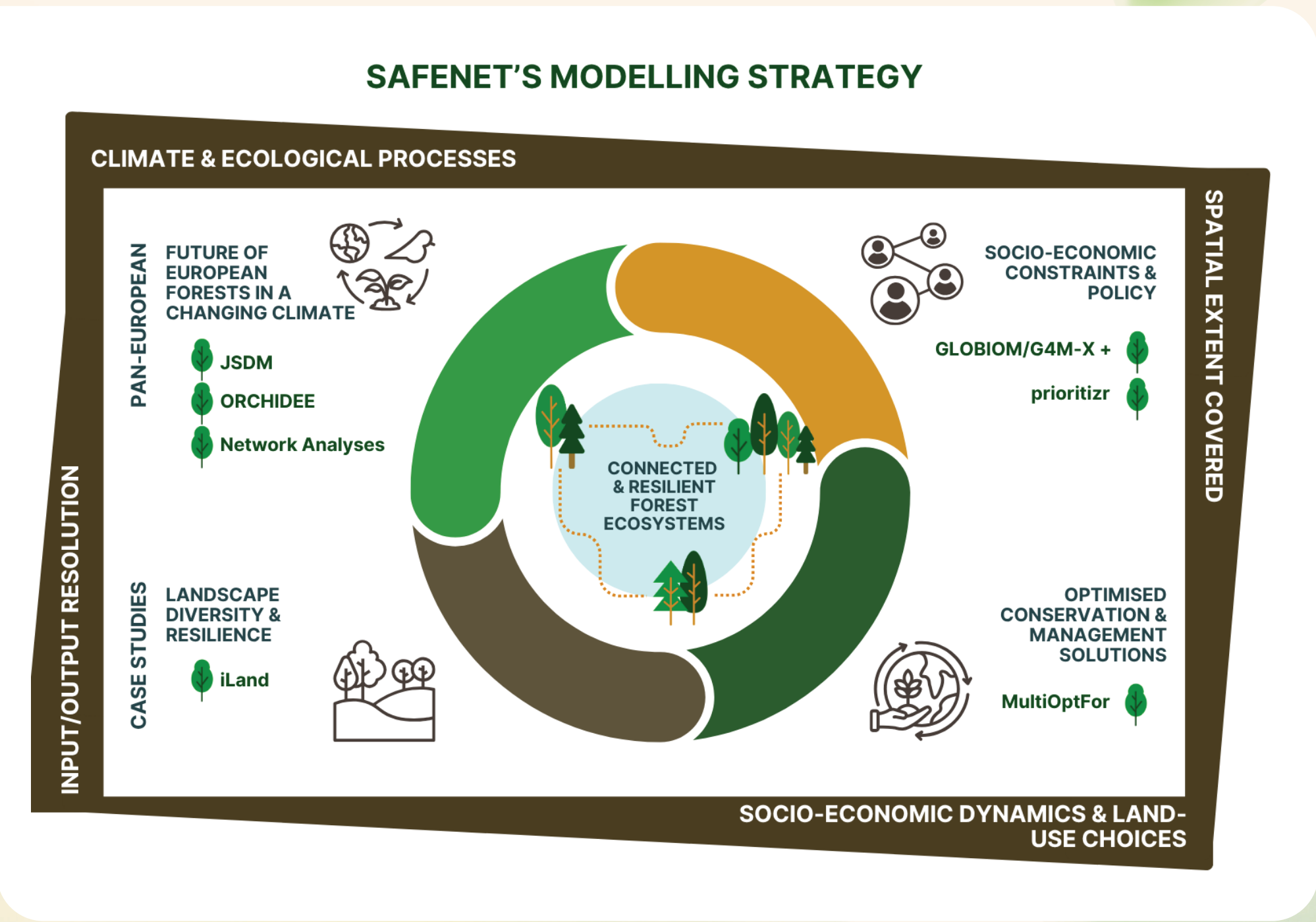
SafeNet's overall goal is to **protect forest biodiversity** while supporting their **use in climate change mitigation**, wood, and **ecosystem services**. SafeNet is developing anticipatory and sustainable management strategies that will be tested in four case studies located across a **range of forest ecosystems in Europe**.

These case studies include **Living Labs**, which are collaborative spaces where researchers work directly with local communities, forest managers, policymakers, industry and other stakeholders to test and shape practical strategies for conserving biodiversity and **strengthening forest resilience**.

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- Expected results**
- Better **field monitoring** and **remote sensing** methods for biodiversity and the identification of old-growth forests.
 - Best practices for sustainable forest **management and conservation**.
 - Biodiversity and carbon stock development under climate and land-use change **scenarios**.
 - Identification of key **migration routes** and connectivity bottlenecks.
 - Spatially prioritized **conservation strategies** and management of forests in Europe and in local case studies.
 - **Road map** for the protection of primary and old-growth forests and biodiversity in Europe.



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