Output

- Highlight ecological mechanisms of forest resilience that can be influenced by management
- Develop recommendations for operational forest resilience measures in multifunctional forestry
- Enhance efficient communication between scientists and decision makers



Duration: 03-2017 to 02-2020

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Photo credits:

Gregory Loucougaray (cover), Wanda de Keersmaecker, Rupert Seidl, Philippe Deuffic, Rachel Barrier, Sophie Labonne

A collaborative project in the Sumforest **ERA-NET framework**

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REsilience mechanisms for risk adapted FORest management under Climate changE











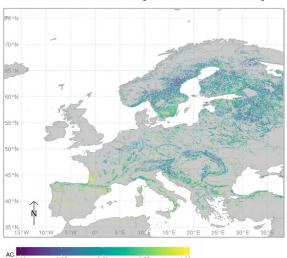
Context

Climate change will increase risks for the provision of forest products and services. Enhancing forest resilience thus becomes a key goal for adapting forests to climate change.

Objectives

- enhance the scientific basis for successfully managing forest resilience to climate change
- produce new knowledge related to ecological resilience to disturbance
- explore how virtual markets affect marketed and non-marketed ecosystem services
- propose climate-resilient management regimes for multifunctional forestry

Resilience monitoring with remote sensing



Activities and approaches

Building on prior and on-going EU projects,

Reforce will



map the resilience of forest productivity to climatic events and identify gradients of resilience with remote sensing

 analyze ecological mechanisms of forest resilience that can be influenced by

management with mechanistic and empirical models

evaluate approaches to managing resilience through coordinated risk management using mechanistic forest models and economic analyses

explore decision variables of forest managers

to adapt their management to foster resilience with survey in the different regions

