

# Distributed, Integrated and Harmonised Forest Information for Bioeconomy Outlooks



Photos: Tuula Packalen/Luke and Erkki Oksanen/Luke.

## DIABOLO tackles Europe's social, ecological and economic challenges

The increasing competition for forest resources will necessitate new forest-related policies across different sectors. These policies demand relevant, harmonised, comprehensive, reliable and up-to-date information. As a response to this challenge, the DIABOLO project brings together 33 partners from scientific institutions in 25 European countries including experts in the fields of policy analysis, forest inventory and forest modelling, who have live linkages to European and national policy institutions and stakeholder networks.



Countries involved in DIABOLO (in green). The shaded countries contribute also as WP Leaders

## DIABOLO aims to:

- strengthen the methodological framework for more accurate, harmonised and timely information from forest inventories and monitoring systems, to feed into EU information systems (SEIS, EFDAC),
- support the development of EU policies and international processes relying on consistent forest information,
- make innovative use of field collected data and EC space-based applications of Earth observation and satellite positioning systems.

## The specific objectives of DIABOLO are to:

- identify demands for and gaps in the provision of forest information for different political levels (WP1)
- develop new models to produce European-wide harmonised forest information, based on NFI and high-resolution remote sensing data & produce a multisource system to provide up-to-date estimates on the state and changes in forest ecosystems (WP2)
- analyse the NFIs and improve the availability and quality of forest information & explore the combined use of NFI and Earth observation data to improve methods for delivering indicators on forest spatial patterns and their changes (WP3)
- improve forest disturbance monitoring systems at regional, national and European scale using new European satellite data, providing near real-time information on forest disturbance (WP4)
- deepen insight into the sustainability of biomass supply and trade-offs between biomass supply and other ecosystem products and services, using the European Forestry Dynamics Model (EFD) and a global market equilibrium model (GLOBIOM) (WP5)
- increase the impact of the project outcomes by disseminating results through WP-specific end user panels, regional workshops and an international advisory group (WP6)

## Solutions from DIABOLO to be disseminated, exploited and communicated

- More effective interface between science and policy (WP1)
- Harmonised results based on sharing methods and techniques with ENFIN (WP2)
- Wider scope of NFIs (WP3)
- Improved timeliness in forest disturbance monitoring (WP4)
- Better understanding of competition for balance between different forest land-uses (WP5)

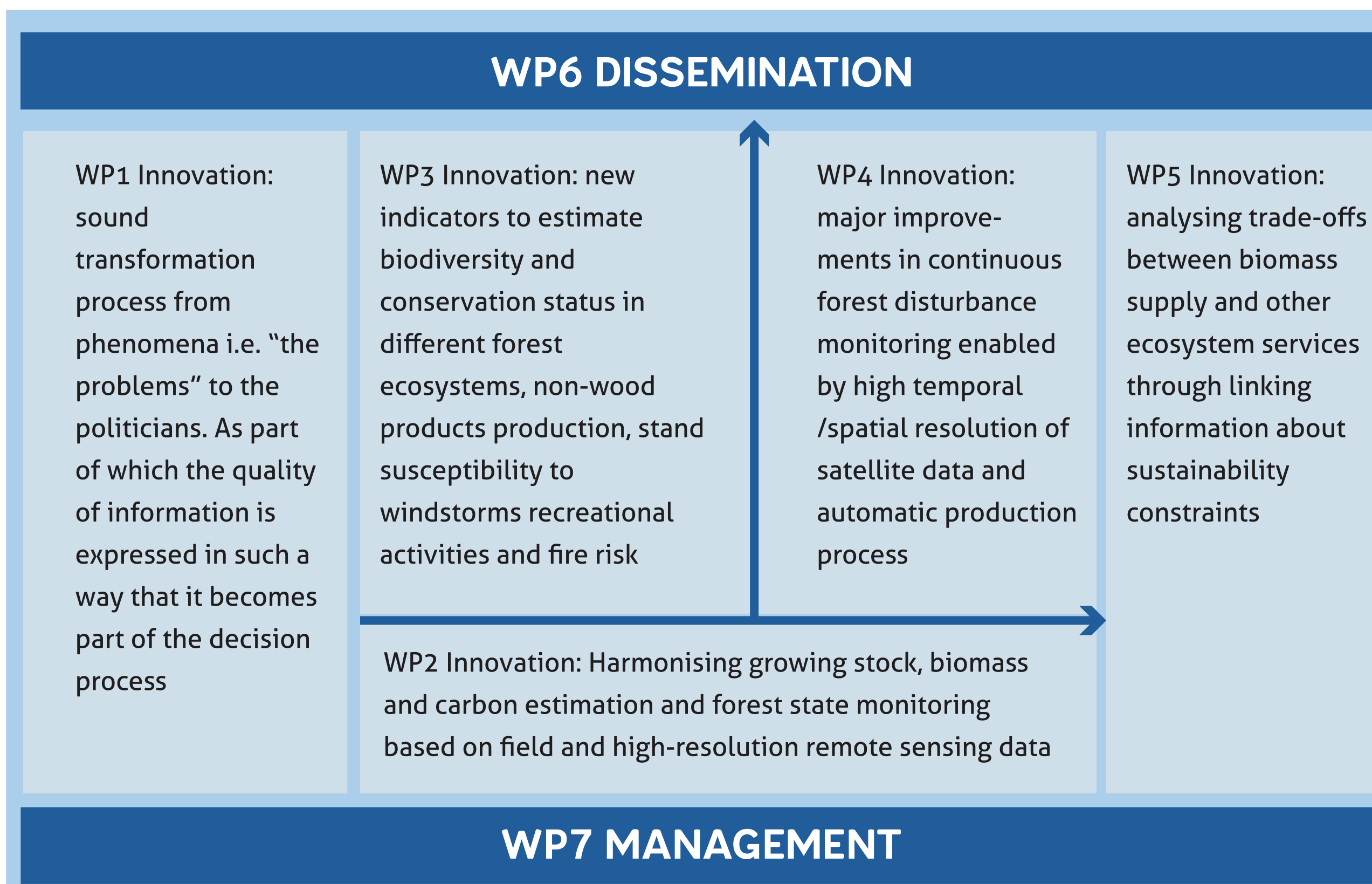
DISSEMINATION  
EXPLOITATION  
COMMUNICATION



END-USERS  
• EU policy processes  
• International reporting  
• Forest administration  
• Forest planning entities

- To fulfil reporting obligations related to EU policies and international agreements
- To produce information on forest health and vitality (incl. forest fires, storm, drought, insect outbreaks)
- To improve monitoring of climate change impacts on European forests
- For socioeconomic information about the forest sector for stakeholders
- To harmonise the NFI sample plot data at EU level
- For appropriate quality descriptions on forest information
- For comparable national statistics on woody biomass supply

The interdisciplinary expertise in DIABOLO allows creating unprecedented solutions and the association of NFIs' field data and high and very-high resolution remote sensing sources will be a real breakthrough for a Global forest monitoring system



## DIABOLO is a Horizon 2020 project. these are the partners



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