

Distributed, Integrated and Harmonised Forest Information for Bioeconomy Outlooks

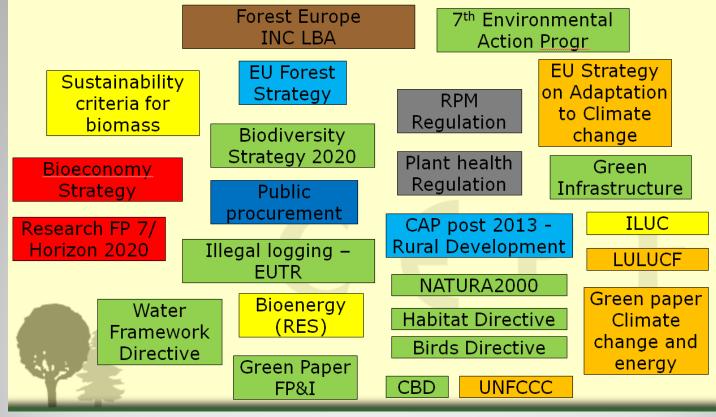


DIABOLO has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 633464. Project duration: 1.3.2015–28.2.2019. Coordinator: Natural Resources Institute Finland (Luke)

www.diabolo-project.eu

C E P F The voice of European Family Forestry

**EU forest policy:** a complex puzzle of scattered, not coherent and coordinated sectorial policies



Presented by Näräkkä 2013, at the 1st ORCHESTRA (COST FP1207) Workshop

## Complexity of forest-related policies (see also SCAR Foresight)

#### P.J. Verkerk et al. / Forest Ecology and Management 261 (2011) 2007-2015

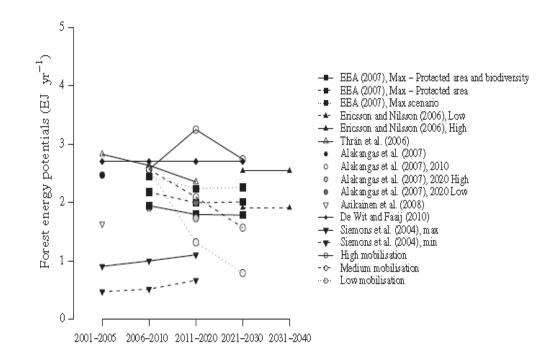
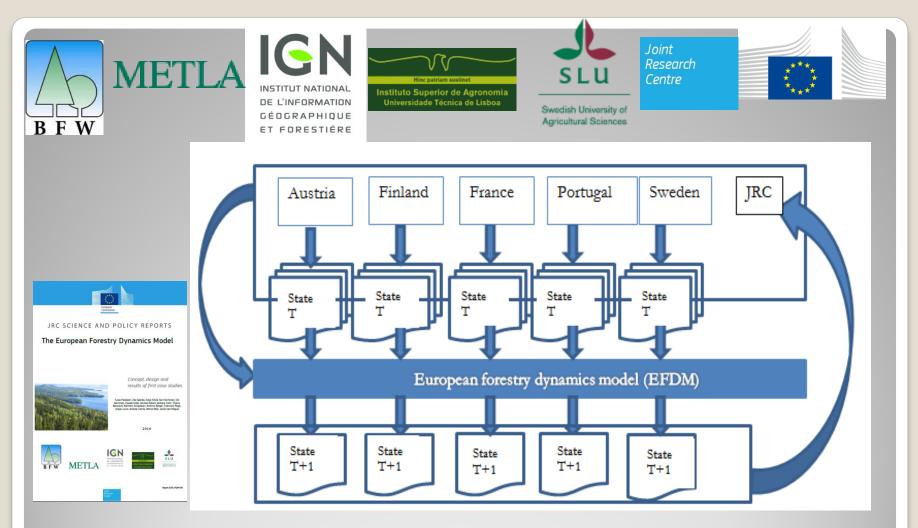


Fig. 3. Comparison of forest energy potential against potentials estimated by other studies (Alakangas et al., 2007; De Wit and Faaij, 2010; EEA, 2007; Ericsson and Nilsson, 2006; Panoutsou et al., 2009; Siemons et al., 2004; Thrän et al., 2006. In: Rettenmaier et al., 2010) for the 27 EU member states.

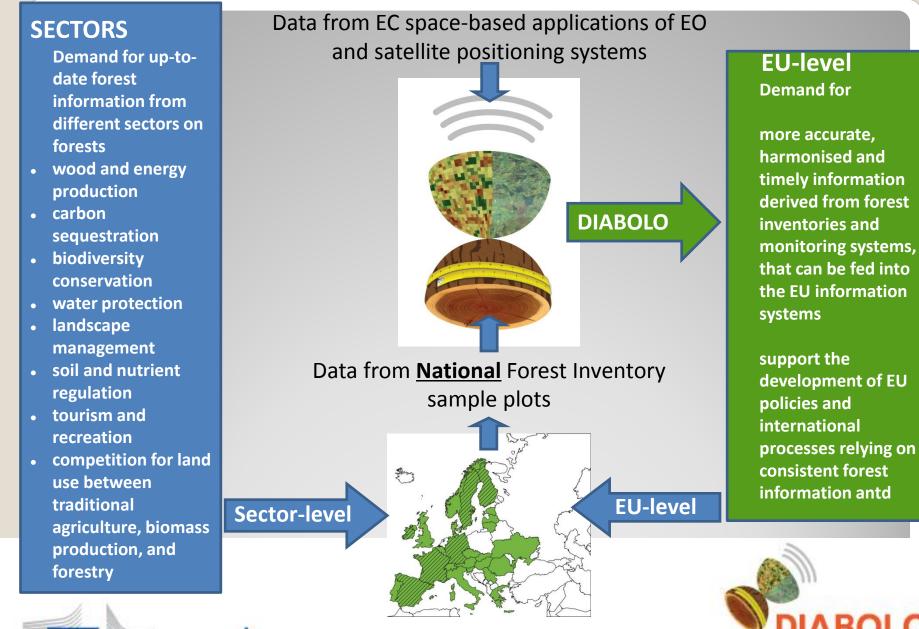
# Differences in the estimates due to methodologies and assumptions applied

2013



\* Packalen et al. 2014. The European Forestry Dynamics Model. JRC Science and Policy Report.

An example of the potential for distributed, integrated and harmonized policy support (see also European Forest Strategy)



European Commission

Forest Information for Bioeconomy Outlooks



## In the context of demands placed on Europe's forests

- Increasing competition for forest resources
- Requires new forest-related policies across different sectors
  - These policies demand relevant, harmonised, comprehensive, reliable and up-to-date information

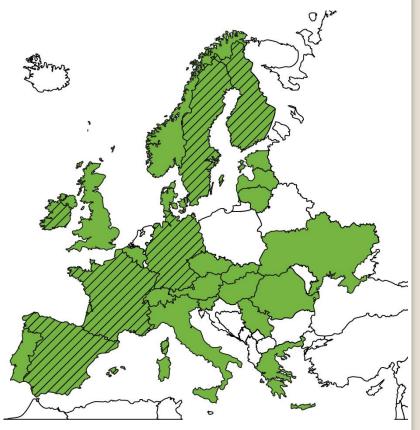
## **DIABOLO** aims to:

- Strengthen the <u>methodological framework</u> 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 <u>consistent forest information</u>
- Make <u>innovative use of field collected data and EC space-based applications of</u> Earth observation and satellite positioning systems.



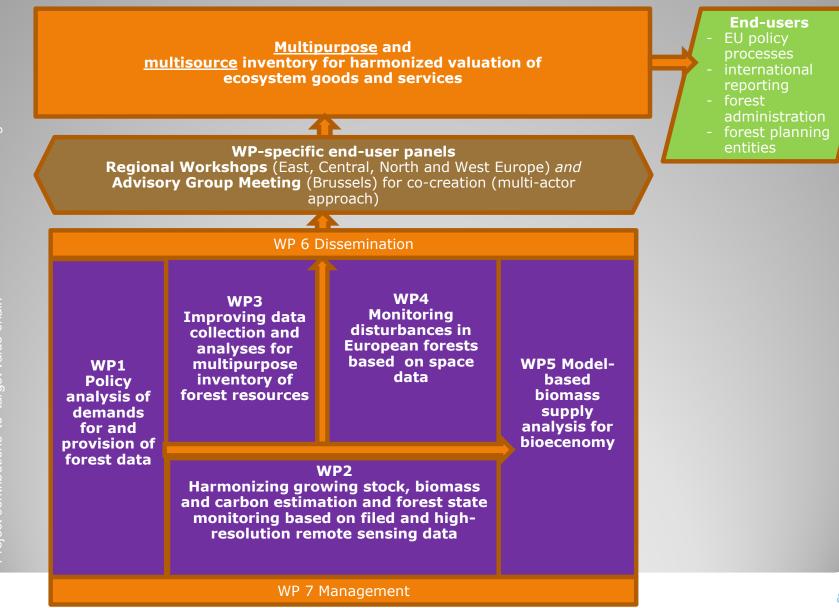
DIABOLO brings together 33 partners from scientific institutions in 25 European countries, including experts in the fields of policy analysis, forest inventory and forest modelling, who have live linkages to European and national policy institutions and stakeholder networks.

Work coordinated by: WP1: SLU, Sweden; ALU-FR, Germany WP2: IGN&INRA, France WP3: INIA, Spain WP4: ALU-FR, Germany Coordinator, WP5, WP7: Luke, Finland WP6: UCD, Ireland



Countries involved in DIABOLO (in green). Shaded countries contribute also as WP leaders.

#### **DIABOLO** contributions to multipurpose and multisource inventory



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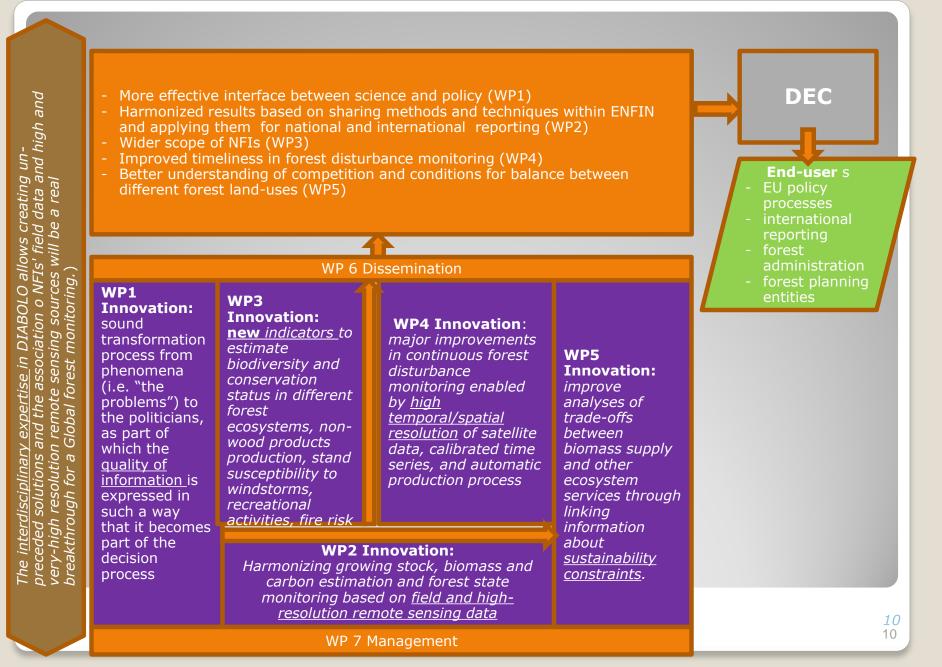
## The specific objectives of DIABOLO are to:

- L Identify demands for and gaps in the provision of forest information (WP1)
- Develop new models for Europe-wide harmonised forest information (WP2)
- Improve the availability and quality of forest information and explore the combined use of NFI and Earth observation data to improve methods for delivering indicators on forest spatial patterns and their changes (WP3)
- M Improve forest disturbance monitoring systems 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 with other ecosystem products and services, using the EFDM and GLOBIOM models (WP5)
- vi. Increase the impact of the project outcomes by disseminating results through WP-specific end user panels and an international advisory group (WP6)





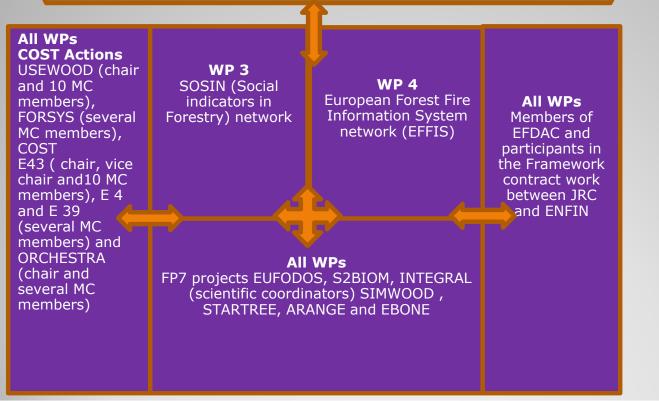
#### Solutions from DIABOLO to be disseminated, exploited and communicated (DEC)



## **DIABOLO** collaboration

#### DIABOLO

The key strength of DIABOLO is the experience and mutual trust gained from the successful collaboration related to harmonization, standardization and bringing added value to data through networks and project activities.



# Future joint activities

- ISIB-4-b
- EIP-AGRI Agriclture and innovation
- SUMFOREST

SCAR "Sustainable Bio-Resources for a Growing Bioeconomy" (SWG SBGB)

- BISO (JRC)



## **DIABOLO** supports NFIs in

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







## **Expected impacts based on the harmonised information of DIABOLO:**

- Improved knowledge communication and information exchange between political decision makers and forest data providers
- 2. Knowledge transfer among NFIs, emerging NFIs
- 3. Strengthened capacity for assessing risks and monitoring forest disturbances using new Earth Observation data
- 4. Improved UN-ECE statistics that use NFI data
- Better knowledge of Europe's forest resources, their availability and their sustainable future supply
- 6. Improved understanding of trade-offs between biomass supply and other ecosystem products and services
- 7. Harmonised and improved European estimation of biomass supplies
- 8. Improved coherence of support for forestry-related policies







## Contacts

WP	WP Description	WP Leader	Email
1	Policy analysis	Daniela Kleinschmit, ALU-FR	daniela.kleinschmit@ifp.uni- freiburg.de
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## **DIABOLO** Partners



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