

**Abstract template for the conference “A century of national forest inventories – informing past, present and future decisions”**

<b>Abstract title:</b>		Key project outcomes of the H2020 project DIABOLO
<b>Take-home message:</b>		<i>The H2020 project DIABOLO provided new methodologies for more accurate, harmonized and timely forest information used for the EU policy processes, international reporting obligations, forest administration and forest planning as well as for global monitoring systems.</i>
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<b>General topic, see website:</b>  (please double click on the check box and activate the relevant one)	<input type="checkbox"/>	Improving future NFIs by learning from the past
	<input checked="" type="checkbox"/>	NFIs today and in the future
	<input type="checkbox"/>	Cutting edge and futuristic inventory techniques and technologies
<b>Preferred presentation form:</b>	<input checked="" type="checkbox"/>	Oral presentation ( <i>presentation of the DIABOLO project results</i> )
	<input type="checkbox"/>	Poster
<i>Abstracts will be reviewed by members of our scientific committee and you will be given information on decisions in due time after the submission deadline has passed.</i>		

## Key project outcomes of the H2020 project DIABOLO

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On behalf of the H2020 DIABOLO consortium we would like to present key outcomes of the project. Building upon scientific advances in COST E4, 39, 43, USEWOOD, FORSYS, ORCHESTRA; the networks ENFIN, EFFIS, SOSIN; the FP7 EUFODOS, S2BIOM, INTEGRAL, SIMWOOD, FIRE PARADOX, the H2020 project DIABOLO (Distributed, integrated and harmonised forest information for bioeconomy outlooks) involved over 100 experts from 33 organisations in 25 European countries. DIABOLO provided new methodologies for more accurate, harmonized and timely forest information used for the EU policy processes, international reporting obligations, forest administration and forest planning as well as for global monitoring systems such as REDD+, FLEGT and UNFF.

### The DIABOLO project

- clearly identified the demands for and gaps in the provision of forest data and information for different political levels,
- developed new methods and models to produce European wide harmonised data and information on growing stock, biomass and carbon, based on NFI field data and high-resolution remote sensing data, and to produce an innovative multisource system for providing up-to-date estimates on the state and changes in European forest ecosystems,
- provided a holistic analysis of the NFIs as multipurpose data sources and to explore the combined use of NFI and Earth observation data to improve current methods and input information for delivering indicators on forest spatial patterns and their changes,
- improved forest disturbance monitoring systems at regional, national and European scale by using new European satellite data (e.g. Sentinel 1 and 2), thus providing near real time information on forest disturbances,
- deepened insight into the long-term sustainability of biomass supply and trade-offs between biomass supply and other ecosystem products and services by using European Forestry Dynamics Model (EFDM) in different European countries with a linkage to a global market equilibrium model (GLOBIOM),
- increased the impact of the project outcomes among the target audiences and stakeholders by disseminating results through WP-specific end-user panels, regional workshops and a high-level international advisory group.

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