

**Designing Trees for the Future: Data are the keystone**  
**Brussels, 4-6 April 2016 • Conference venue: Hotel Bedford, 135 rue du Midi**

<b>Monday PM PLENARY SESSION (13:30–17:45)</b>	<b>Registration: starting at 13h30</b>		
	<b>Launching event of the Trees4Future Strategic Innovation Research Agenda</b>		
	13h30	Registration and welcoming coffee	
	Moderator: Andreas KLEINSCHMIT VON LENGEFELD, Institute of Technology FCBA, FRANCE		
	13h45 – 14h30	TREES4FUTURE: A success story and future perspectives: European Tree Breeding Centre	Luc E. PÂQUES Coordinator of T4F project INRA-Unité AGPF Orléans, FRANCE
	14h30 – 15h00	T4F – STRATEGIC INNOVATION RESEARCH AGENDA – SIRA	Jo VAN BRUSSELEN European Forest Institute Joensuu, FINLAND
	<b>EUROPEAN Research Innovation Programmes relevant to T4F</b>		
	15h00 – 15h20	Overall Research Infrastructure perspective	Anna Maria JOHANSSON Research Programme Officer European Commission DG Research & Innovation B4: Research Infrastructures
	15h20 – 15h40	Current opportunities for forest research funding and preparations for the upcoming programming (2018-2020)	Doru-Leonard IRIMIE Research Programme Officer European Commission DG Research and Innovation F3: Agri-Food Chain
	15h40 – 16h00	EIP-AGRI network's activities on forests	Antonella ZONA European Commission DG Agriculture and Rural Development
	<b>Perspectives from other stakeholders</b>		
	16h00 – 16h30	The Canadian Model : Collaborating through Complexity	Lise CARON Acting General Director Canadian Wood Fibre Centre Natural Resources Canada, CANADA
	16h30 – 17h00	Trees for the Future – links, differences and perspectives from the plant sector	Ulrich SCHURR IBG-2: Pflanzenwissenschaften Forschungszentrum Jülich GmbH, GERMANY
	17h00 – 17h45	<b>ROUND TABLE DISCUSSION AND CONCLUSIONS</b>	
18h00 – 19h00	Networking cocktail		

**Tuesday**  
**PLENARY SESSION**  
**(8:30–18:30)**

## "Designing Trees for the Future: Data are the keystone"

**Registration: starting at 08h00**

### INTRODUCTION of the CONFERENCE

**SESSION 1: Data production:** *the focus of this session is to highlight the needs for large geographic scale/time series datasets, of innovative high-throughput methodologies and of some alternative ways to collect data.*

**Moderator: G.J.Nabuurs (Alterra)**

Invited speakers:

**8:30-9:00: C.Matyas (Univ.West Hungary)** Hoarding data for times of uncertainty – lessons from pan-european experimental genetic networks

**9:00-9:30: F.Fiorani (EPPN)** Opportunities and challenges for the development of a European plant phenotyping research infrastructure

**9:30- 10:00: R.Julliard (Museum National d’Histoire Naturelle)** Monitoring biodiversity through citizen science - 15 years of experience at a country scale

*Coffee break*

**Moderator: S.Lee (FR)**

Consortium:

**11:00-11:20: K.Kramer (Alterra)** The importance of provenance data for climate change impact assessments, and limitations of existing data - with an example of phenology analyses of European beech

**11:20- 11:40: O.Brendel (INRA)** Tree-water-relationships: Assessing the most vital functions of forest trees

**11:40-12:00: J.C.Rodrigues (ISA)** NIRS in Forestry: From leaves to soil

**12:00-12:20: K.Karkkainen, LE.Pâques (LUKE, INRA)** Impact of high-throughput phenotyping on estimation of genetic parameters

*Lunch break*

**SESSION 2: Data storage, access and intellectual property:** *this session aims to present international initiatives for long-term, massive data storage, open access to data and IP rights on data*

**Moderator: J.Climent (INIA)**

Invited speakers

**14:00-14:30: C. Miguel (Elixir)** ELIXIR – the European distributed infrastructure for life-science information: how can it impact forestry research?

**14:30-15:00: M.Bozzano (Bioversity)** EUGIS database: use, linkages and future relevance

Consortium:

**15:15-15:35: S. Gaubitzer and E-M Sehr (AIT)** Trees4Future databases

**15:35-15:55: R. Lokers (Alterra)** Transparent access to distributed forestry resources

**15:55-16:15: N.Morcrette, C.Tremberth (INRA)** Open data legal aspects

*Coffee break*

	<p><b>SESSION 3: Data analysis and modelling in various contexts:</b> <i>this session is focused on development and use of new tools for data analysis and modelling.</i></p> <p><b>Moderator: D.Ray (FR)</b></p> <p><u>Invited speakers</u></p> <p><b>17:00-17:30: H.Bugmann (ETH)</b> Modeling long-term forest dynamics: Interfacing succession models with empirical data leads to surprises</p> <p><u>Consortium:</u></p> <p><b>17:30-17:50: L. Sanchez (INRA)</b> BreedR: Accounting for abiotic and biotic neighboring heterogeneity affecting tree phenotypic evaluation in experimental trials</p> <p><i>18h30-20h30 Cocktail and Poster session</i></p>
<p><b>Wednesday AM PLENARY SESSION (continued; 8:30–12:30)</b></p>	<p><b>SESSION 3: Data analysis and modelling in various contexts (continued)</b></p> <p><b>Moderator: E.Beuker (LUKE)</b></p> <p><u>Invited speaker</u></p> <p><b>8:30-9:00: E.Cappa (INTA)</b> Application of mixed models in forest tree genomic evaluation</p> <p><u>Consortium:</u></p> <p><b>9:00-9:20: D. Ray, M.Marchi, J.Boiffin, V.Badeau (FR, CRA, INRA)</b> Niche model results can provide evidence on tree breeding zone: recommendations and uncertainties in a warming climate</p> <p><b>9:20-9:40: G-J. Nabuurs, M.Vizzari (Alterra, Unimol)</b> Applicability of genetic data in European forest modelling; state of knowledge and future aspects Forest resources modelling</p> <p><i>Coffee break</i></p> <p><b>SESSION 4: Access and benefit-sharing – Traceability</b></p> <p><b>Moderator: H.Wolf (SBS)</b></p> <p><u>Consortium:</u></p> <p><b>10:30-11:00: E. Beuker (LUKE)</b> A model MTA for forest genetic material</p> <p><b>11:00-11:20: B.Heinze (BFW)</b> Tracing forest reproductive material by its DNA: forest forensics</p> <p><b>SESSION 5: T4F Users’ success stories</b></p> <p><b>11:35-12:15: P.Rosà (FEM/CNR) and two invited TNA users: R.Salomón and F.Guarino</b></p> <p>Lessons to learn from TNA programme and some successful TNA visit stories</p> <p><i>Lunch</i></p>

<b>Wednesday PM PARALLEL SESSIONS 13:30–17:30</b>	<b>Demonstration and dissemination of T4F tools</b>			
	<b>Session 6A</b>	<b>Session 6B</b>	<b>Session 6C</b>	<b>Session 6D</b>
	<b>Standardisation of trait assessment methodologies and development of high-throughput phenotyping tools (based on WP2/WP11)</b>	<b>BreedR: an open statistical tool to analyse genetic data (based on WP6)</b>	<b>Better climate matching species and FRM to sites (based on WP8)</b>	<b>T4F genetic and environmental information portal (Clearinghouse DBs, portal) (based on WP1, 4 and 9)</b>
	<b>PhenoPlastFor: networking for incorporating phenotypic plasticity in forest tree breeding (based on WP3)</b>	<b>Forest resources modelling (based on WP10)</b>	<b>Forest Reproductive Material: your problem, our solution (based on WP7)</b>	