



WoodWisdom-Net

WoodWisdom-Net experiences and views with LPC participation

PLATFORM Annual Event 2016

Master Class on Inclusiveness

The bigger picture: P2Ps for Inclusiveness and Innovation

6-7 Oct 2016, Ljubljana, Slovenia

**Mr Mika Kallio, MMM/ WoodWisdom-Net+ Secretariat
Project Manager in MMM – The Ministry of Agriculture and Forestry in Finland**

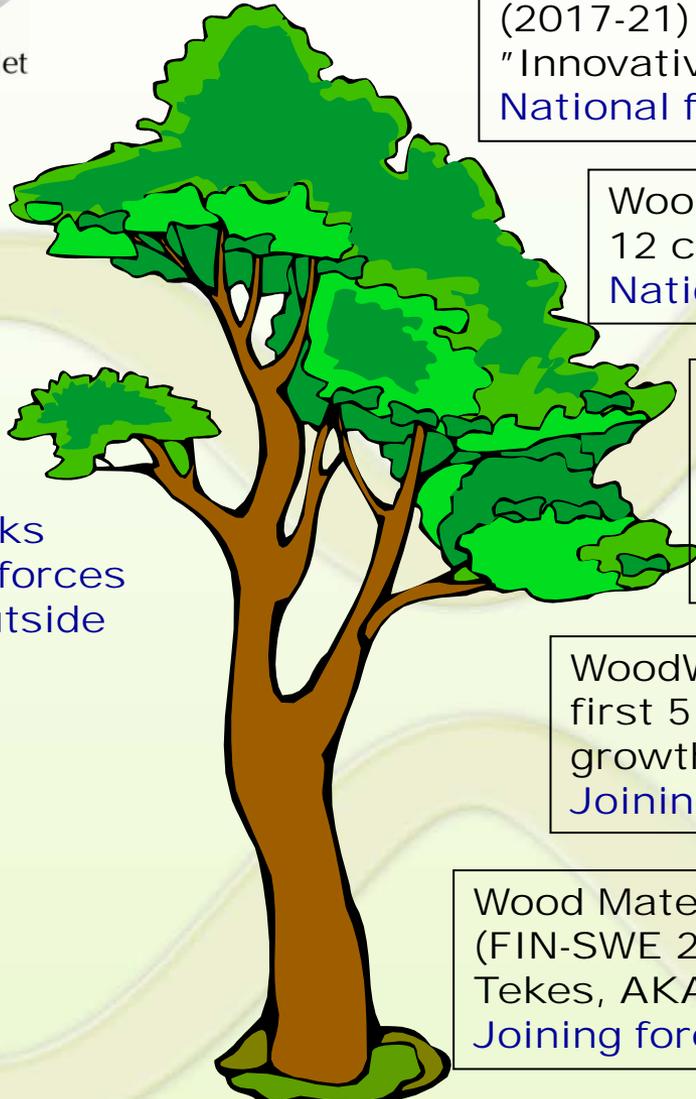


This project has received funding from the European Union Seventh Framework Programme (FP7/2007-2013) under the Grant Agreement no. 321573.

Growth path of WoodWisdom-Net



WoodWisdom-Net



Networks
joining forces
from outside
Europe

Future? H2020 ERA-NET Cofund Action
(2017-21)

"Innovative forest-based bioeconomy"
National funding + EU top-up funding



WoodWisdom-Net+ (2012-17)

12 countries 20 partners,
National funding + EU top-up funding



WoodWisdom-Net 2 (2009-12)

12 countries 19 partners,
5 joint call funding organisations
7 associate organisations

Joining new forces in East and South Europe



WoodWisdom-Net (2004-08)

first 5 countries 12 partners
growth to 8 countries 18 partners

Joining forces in North&Central Europe



Wood Material Science and Engineering
(FIN-SWE 2003-06)

Tekes, AKA, MMM, Vinnova, Formas

Joining forces in Finland and Sweden

Woodwisdom (FIN 1998-2001) Tekes, AKA, MMM
Joining forces of Finnish funding and research





WoodWisdom-Net mindset towards new partners

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WW-Net DoW in 2004 (Phase 1):

*Activities for the coordination of regional, national and European research initiatives are intended to achieve synergy effects and complementarities in the research scene and the promotion of research in the long term. **Programme makers and programme managers from other EU Member States and from the Associated States (e.g. Baltic countries, Slovenia, Poland) will be integrated into the ERA-Net activities** such as workshops and measures for the dissemination and application of the results of the ERA-Net (guidelines, Internet platform etc.). **WoodWisdom-Net is ready to take new partners.***

*The management activities include implementation of **competitive calls for new partners.***



WoodWisdom-Net Programme evolution – Phase 1



WoodWisdom-Net

Period	From 2004-01-01 to 2008-12-31 request to extend the project (2013-09-30) has been submitted
Follow-on ERA-NET	WOODWISDOM-NET 2 and WOODWISDOM-NET+
Project reference	ERAC-CT-2003-510206
Programme acronym	FP6-COORDINATION
Topic identifier	ERA-NET/1/CA-SSA
Title	Supporting the cooperation and coordination of research activities carried out at national or regional level (ERA-NET Scheme)
Contract type	Coordination Actions (CA)
Budget	
Total cost	€ 2 195 180
EU contribution	€ 2 195 180
Number of participants	18
Coordinator	Finnish Funding Agency for Technology and Innovation TEKES, Finland

Participants

AT	Austrian Research Promotion Agency FFG
DE	Federal Ministry of Education and Research BMBF
DE	Jülich Research Centre JUELICH
DK	Danish Agency for Science, Technology and Innovation DASTI
DK	Danish Forest and Nature Agency DFNA
FI	Academy of Finland AKA
FI	Finnish Funding Agency for Technology and Innovation TEKES
FI	Ministry of Agriculture And Forestry MMM
FR	French National Institute for Agricultural Research INRA
FR	Ministry of Agriculture/ General Direction for Forest and Rural Affairs MAAPR
FR	Technical Centre for Wood and Furniture CTBA
NO	Norwegian Industrial and Regional Development Fund SND
NO	Research Council of Norway RCN
NO	Nordic Forest Research Co-operation Committee SNS
SE	Swedish Governmental Agency for Innovation Systems VINNOVA
SE	Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning FORMAS
UK	Forestry Commission FC
UK	Scottish Enterprise Dumfries and Galloway SEDG





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Supporting WW-Net networking - WOODISM SSA

WOODISM - Improving competitiveness of the forest-wood-chain by supporting SME participation in FP6 projects

From 2004-09-01 to 2007-08-31

Project details

Total cost:

EUR 1 462 597

EU contribution:

EUR 1 047 891

Coordinated in:

Finland

Topic(s):

[INNOVATION - Research and Innovation](#)

[INNOVATION-2002-1.1 - Connecting key players](#)

Call for proposal:

FP6-2003-INNOV-1

[See other projects for this call](#)

Funding scheme:

SSA - Specific Support Action





Supporting WW-Net networking - WOODISM SSA

WoodWisdom-Net

Coordinator

TYÖTEHOSEURA RY

Finland

Participants

SILICON FIBRES LTD

Finland

BUREAU FOR INTERNATIONAL RESEARCH AND TECHNOLOGY COOPERATION

Austria

RTD TALOS LTD

Cyprus

ARCHIMEDES FOUNDATION

Estonia

ELKEDE TECHNOLOGY & DESIGN CENTRE S.A.

Greece

HELLENIC ORGANIZATION OF SMALL AND MEDIUM SIZED ENTERPRISES AND HANDICRAFT S.A.

Greece

INNOVAWOOD LTD

Ireland

AGENZIA PER LA PROMOZIONE DELLA RICERCA EUROPEA

Italy

INNOVA SPA

Italy

EUROPARAMA UAB

Lithuania

CRACOW UNIVERSITY OF TECHNOLOGY

Poland

WOOD INDUSTRY CLUSTER

Slovenia

ASSOCIATION EURESEARCH

Switzerland

BERNER FACHHOCHSCHULE - HOCHSCHULE FÜR ARCHITEKTUR, BAU UND HOLZ

Switzerland

EURESEARCH / SCHWEIZER NETZWERK FÜR INNOVATION - RÉSEAU SUISSE D'INNOVATION SNI-RSI

Switzerland

FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.

Germany

ZENTRUM FUER INNOVATION UND TECHNIK IN NORDRHEIN-WESTFALEN GMBH

Germany

ÖSTERREICHISCHE FORSCHUNGSFÖRDERUNGSGESELLSCHAFT MBH

Austria





Activities to include LPCs or increase LPCs participation in the ERA-NET consortium

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WW-Net 1

- **Identification of potentially relevant new partner countries** > new contacts to more than 25 countries inside and outside Europe, information on relevant funding programmes and organisations > organisations from the following countries expressed interest to cooperate with WoodWisdom-Net: Ireland, Latvia, Russia, Slovenia, Italy, Hungary, Turkey, Spain.
- A **non-partner workshop** on 13th of February 2008 in Berlin: brought together members of Wood-Wisdom-Net with representatives from potential new partner countries (**Turkey**, Canada, Russia)
- **WoodWisdom-Net session** “WoodWisdom-Net – Developing the European Research Area in Wood Materials and Engineering” **at the FTP conference** 19.-21.05.2008 in Kranjska Gora, Slovenia: presentations (WW-Net, EC, FTP), discussions **with a special focus on involvement of new partner countries.**



WoodWisdom-Net Programme evolution – Phase 2



WoodWisdom-Net

Period	From 2009-03-01 to 2012-02-29
Project reference	235066
Programme acronym	FP7-NMP
Topic identifier	NMP-2008-4.0-14
Title	ERA-NET on trans-national cooperation for new innovative products in the forest-based value chains
Contract type	Coordination (or Networking) Action
Budget	
Total cost	€ 1 420 728
EU contribution	€ 1 332 960
Number of participants	19
Coordinator	Finnish Funding Agency for Technology and Innovation TEKES, Finland

Participants

DE	Federal Ministry of Education and Research BMBF
DE	Jülich Research Centre JUELICH
ES	National Institute for Agriculture, Technology and Food Research INIA
FI	Academy of Finland AKA
FI	Ministry of Agriculture And Forestry MMM
FI	The Finnish Funding Agency for Technology and Innovation TEKES
FR	French National Institute for Agricultural Research INRA
FR	Ministry of agriculture, the food processing industry and forestry/ General Directorate for Agricultural, Agrifood and Regional Policies (MAAF/ DGPAAT)
FR	Technological Institute for Forest Cellulose, Construction-wood and Furniture FCBA
HU	Ministry of Rural Development KvVM
IE	National Council for Forest Research and Development COFORD
IT	Ministry of Agricultural, Food and Forestry Policies MiPAAF
LV	Latvian Academy of Sciences LAS
LV	Ministry of Agriculture Republic of Latvia ZM
NO	Research Council of Norway RCN
SE	Swedish Governmental Agency for Innovation Systems VINNOVA
SE	Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning FORMAS
SI	Ministry of Higher Education, Science and Technology MHEST
TR	Scientific and Technological Research Council of Turkey TUBITAK





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Activities to include LPCs or increase LPCs participation in the ERA-NET consortium

Visiting programme for programme managers

(one-day visiting programmes in connection with WW-Net meetings):

- Bordeaux on Oct 13-14, 2009
- **Ljubljana** on May 27, 2010
- **Antalya** on Oct 19, 2010
- **Riga** and **Jelgava** on May 31, 2011
- Oslo on June 6, 2011
- Madrid on Dec 1, 2011.



WoodWisdom-Net Programme evolution – Phase 3 (ongoing)



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Period	From 2012-11-15 to 2017-11-14
Project reference	321573
Programme acronym	FP7-ERANET-2012-RTD
Topic identifier	KBBE.2012.1.2-08 / NMP.2012.4.0
Title	ERA-NET Plus on Innovation in the forest-based sector for increasing resource efficiency and tackling climate change with competitive customer solutions
Contract type	ERA-NET Plus
Budget	
Total cost	€ 24 242 425
EU contribution	Max up to € 8 000 000 EUR
Number of participants	20
Coordinator	Finnish Funding Agency for Technology and Innovation TEKES, Finland

Participants

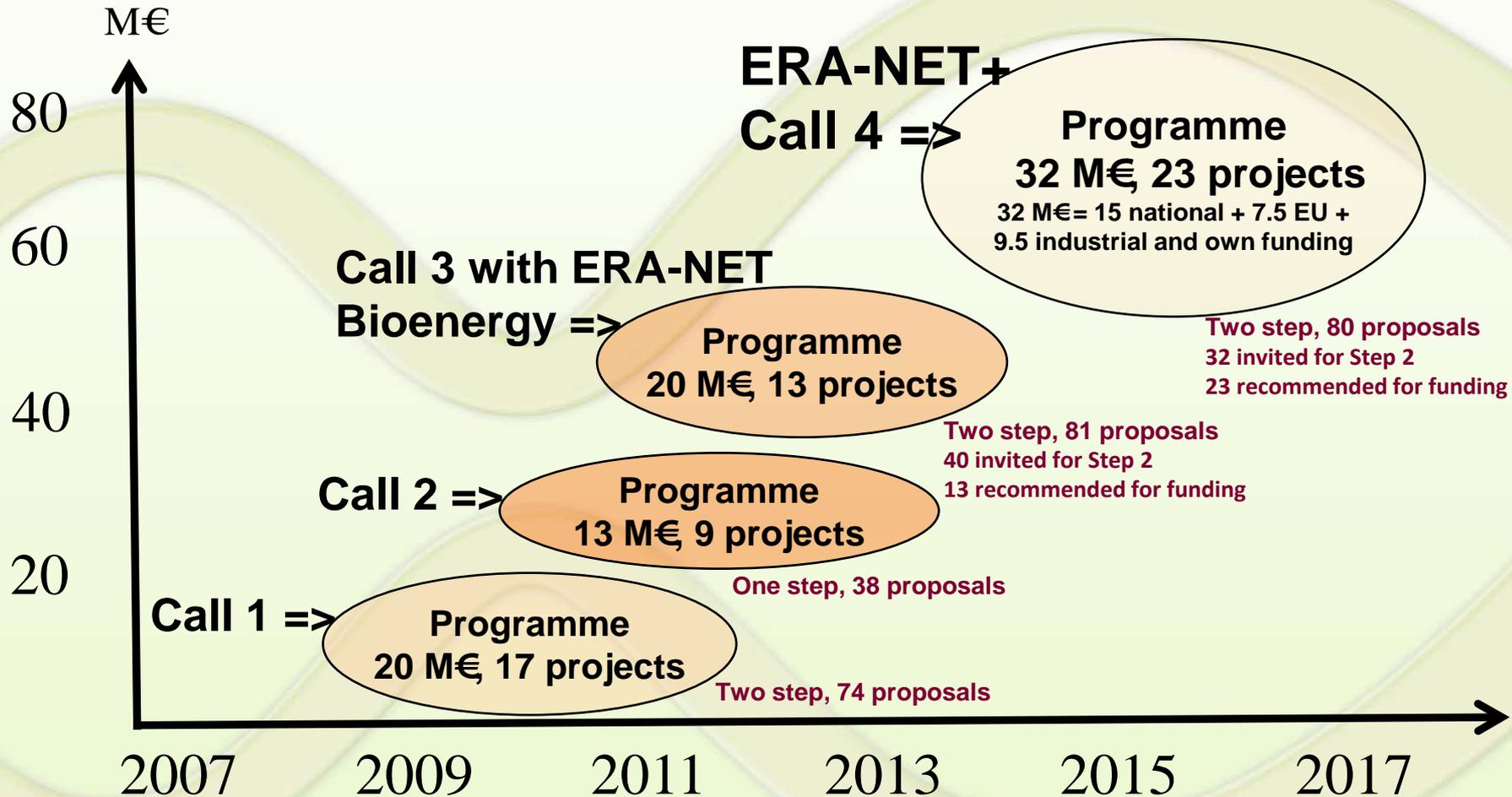
AT	Federal Ministry of Agriculture, Forestry, Environment and Water Management BMLFUW
CH	Federal Department of Economic Affairs FDEA - Commission for Technology and Innovation KTI
CH	Federal Department for Environment, Transports, Energy and Communication BAFU
DE	Agency for Renewable Resources FNR
FI	Academy of Finland AKA
FI	Ministry of Agriculture And Forestry MMM
FI	Finnish Funding Agency for Technology and Innovation TEKES
FR	Ministry of Agriculture, Food, Fisheries and Rural Affairs MAA
FR	Technological Institute for Forest Cellulose, Construction-wood and Furniture FCBA
FR	French National Institute for Agricultural Research INRA
FR	French Environment and Energy Management Agency ADEME
IE	Department of Agriculture, Food and the Marine DAFM-COFORD
LV	Latvian Academy of Sciences LAS
LV	Ministry of Agriculture Republic of Latvia ZM
NO	Research Council of Norway RCN
SE	Swedish Energy Agency SWEA
SE	Swedish Governmental Agency for Innovation Systems VINNOVA
SI	Ministry of Education, Science, Culture and Sport MESCS
SK	Ministry of Agriculture and Rural Development of the Slovak Republic MPRV
SR	
UK	Forestry Commission FC



WoodWisdom-Net Programme evolution and growth to 85 M€ and 62 projects



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Statistical overview of LPC participation in WoodWisdom-Net

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	Phase	WW-Net 1	WW-Net 2		WW-Net+
Country	Call	Call 1	Call 2	Call 3	Call 4 (ERA-NET+)
Estonia		3rd Party			
Hungary			Consortium Member		
Latvia			Consortium Member Joint Call Partner: 1 project	Joint Call Partner: 2 projects	Consortium Member: Task Leader Joint Call Partner: 0 projects
Poland				Joint Call Partner: 1 project	
Slovakia					Consortium Member
Slovenia		3rd Party	Consortium Member: Task Leader	Joint Call Partner: 6 projects	Consortium Member: WP and Task Leader Joint Call Partner: 7 projects
Turkey			Consortium Member Joint Call Partner: 1 project	Joint Call Partner: 2 projects	

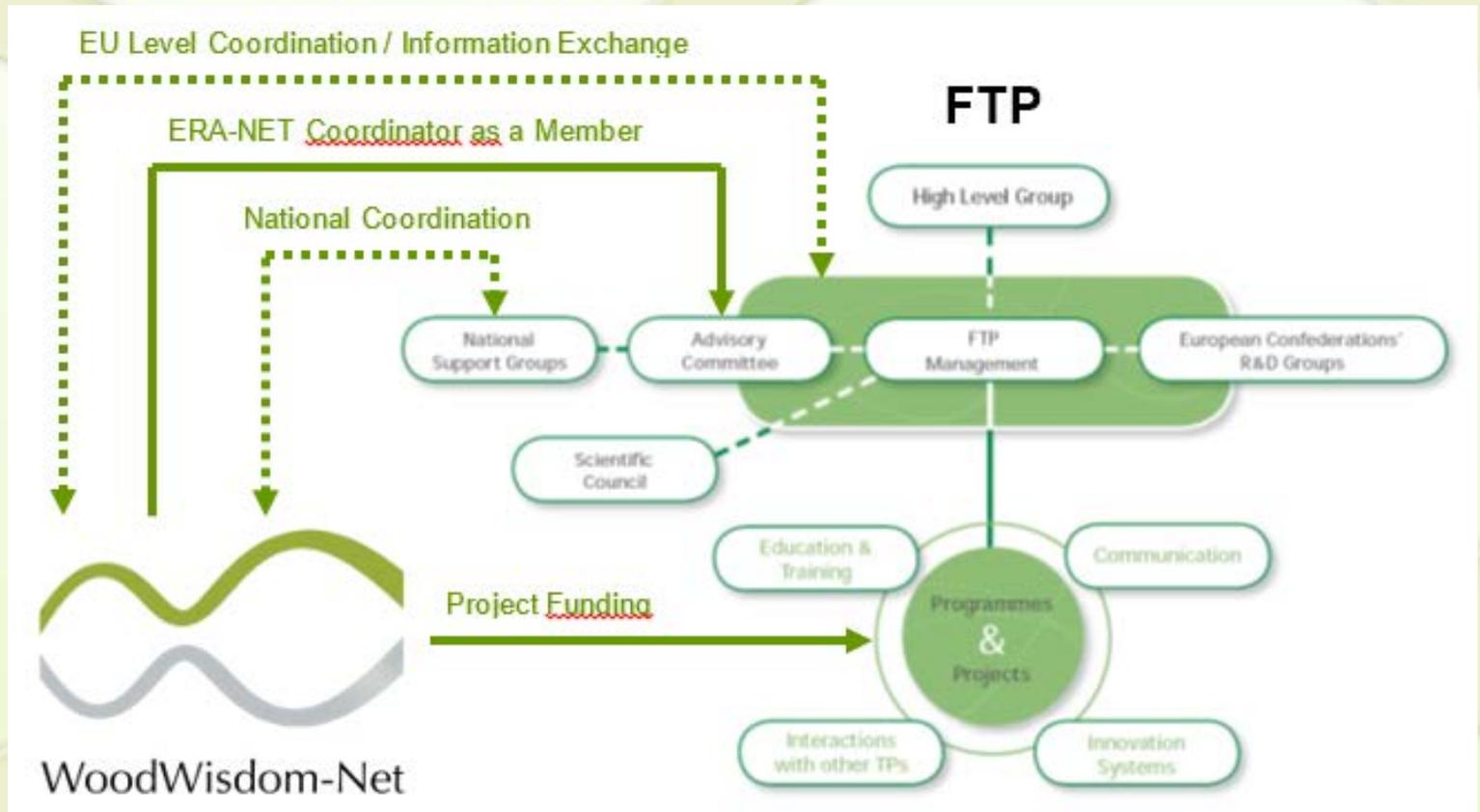




Supporting WW-Net networking – FTP collaborations

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Co-operation with related Technology Platforms such as the European Forest-based Sector Technology Platform (FTP)





Supporting WW-Net networking – Other actions

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Some examples

- **FTP Conference “From Research to Business” 2009** (Stockholm from 9-11 November 2009)
 - ✓ **2nd WoodWisdom-Net Research Programme Seminar** on 11 November 2009 at the same venue back-to-back with the FTP conference.

Strengthening **collaboration with related ERA-NETs**, few examples:

- **PLATFORM**
- **ERA-NET Plant Genomics**: 2nd WoodWisdom-Net Research Programme Seminar on 11th of November 2009 in Stockholm - Three related ERA-PG projects were presented during the sessions
- **ERA-NET Bioenergy** - Defining and implementing the 3rd joint call
 - ✓ Introduction of **several new funding organisations and new partner countries** to join in for the implementation of the 3rd Joint Call (altogether 19 funding organisations from 13 countries)

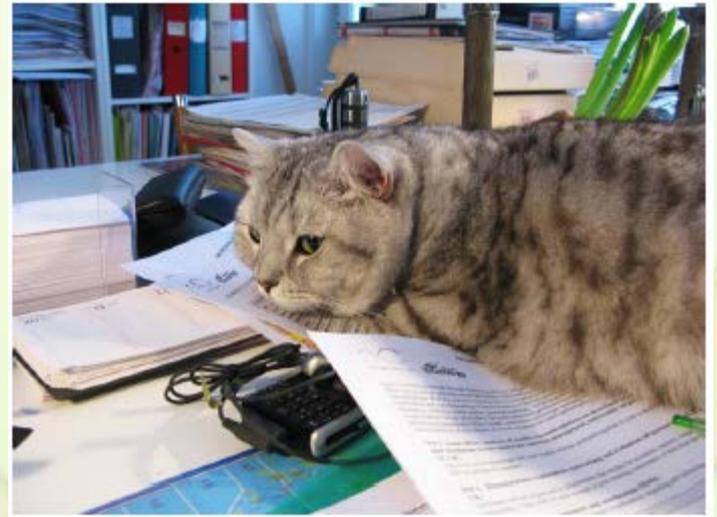




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Getting to know each other

Trust – Respect – Friendship – Good for working together!





What do research programmes offer to companies and research organisations?

The benefit for programme participants is more than just funding of a single project.

The programmes offer

- **financing** for research and development projects in line with the programme's objectives;
- **programme services** that promote the participants'
 - **networking**
 - **international operations**
 - **business competence development**
 - **research results being transferred to SMEs**
- **a community** where competitors can also come face-to-face as partners
- **opportunities for obtaining publicity** for the results of the projects carried out in a programme

Should ERA-NET/ ERA-NET+/ Cofund joint calls offer similar programme services? We think they should!





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Good access to a large portfolio of results with reasonable national funding is win-win for all participating countries

If your applicants are involved in successful consortia, this might be the outcome:

Latvia's participation in Joint Call 3

Latvia's investment of 270 KEUR

- > Access to projects of total value of 3.8 MEUR
- > Total project portfolio of the call ca. 20 MEUR





Projects include 255 different partner organizations:

- SMEs (28%),
- large companies (19%),
- research organizations (21%),
- universities (20%),
- others (12%; incl. co-funding companies, industrial associations etc.).

The percentage is calculated from number of partners and most funding still goes to research.





Impact survey (ongoing) – One example of positive effects

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Q3: Did your organisation's participation in a transnational project funded under the WoodWisdom-Net scheme lead to any other significant follow-up process(es) either at national or international level?

(Fraunhofer Institute for Chemical Technology ICT)

*As a results of the increasing activities in the frame of R&D activities in bioeconomy/ biorefinery we could establish together with Fraunhofer IGB a **new project group**. The **Fraunhofer CBP is a spin-off** of the Fraunhofer Institutes Fh ICT and Fh IGB, and is an integrated lignocellulose biorefinery.*

<http://www.cbp.fraunhofer.de/en.html>

*Around this new R&D center there was established the **cluster Bioeconomy Mitteldeutschland**, where we are a member.*

*In the federal state Baden-Württemberg there was initiated the **public funded activity Bioeconomy research**.*





Projects built on high excellence – One example of achievements

WoodWisdom-Net

2. Wood in carbon efficient construction (€CO₂)



(2010-2013)

Coordinator: Aalto University/ School of Arts, Design and Architecture

Participating countries: Austria, Finland, Germany, Italy, Sweden

*To develop practical solutions for calculating and optimising the carbon footprint of different wood construction systems > **project has a big impact on European decision-making!***

Participation in the **standardization work** of CEN/TC 175 WG1, which has been developing standards for the assessment of sequestration of atmospheric carbon (prEN 16449) and product category rules for environmental product declarations of wood-based construction products (prEN 16485). >>





Projects built on high excellence – One example of achievements

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Dissemination of outcomes since the project end (2013):



- Several seminars and meetings at **European Commission**
- Two seminars at **European Parliament**
- Several visits to **national parliaments** and **their working groups on sustainable construction**
- Tens of **seminar and conference presentations** (e.g. Bioeconomy investment summit - **Unlocking EU leadership in 21st Century Bioeconomy**, 9-10 November 2015, Brussels; Innovative application of wood in sustainable construction - presentation at EESC (European Economic and Social Committee) Expert Hearing, June 2011, Prague)
- Several **workshops and training events for construction professionals**
- Several **interviews with media**

Special interest at the municipal level. *E.g. in Finland we have three cities (Espoo, Tampere, Kouvola) who have asked us to work on embedding low carbon construction into building permission and public procurement processes. They have also asked us to give workshops to local entrepreneurs on how to create low carbon economy in the construction sector.*

Also **companies have been interested in taking the research results into practice**: continued collaboration with forest-sector companies (guidance on national language for taking the EN standards into practice; training to environmental managers of the companies >> This has led into publishing the first EN-standard-based environmental product declarations and now we are in a process of writing non-technical articles for media about the benefits of research and standardization.





Projects built on high excellence – One example of of achievements

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The major outcome to wide audience:



€CO2 - Wood in Carbon Efficient Construction - Tools, methods and applications. ISBN 978-9-0820-9081-9 (e-book)

Mr Gaston Franco, Member of the European Parliament/ Chair, Forestry Subgroup of the 'Climate Change, Biodiversity and Sustainable Development', Intergroup of the European Parliament:

*“This book entitled “Wood in Carbon Efficient Construction” provides the analytical tools and examples for calculating the carbon storage and the energy efficiency of whole buildings during their full lifecycles. It also outlines the measurements for inclusion of wooden materials in all relevant production phases as well as in the end-of-life phases. **I see this book as a valuable contribution to supporting current efforts in combating climate change** by enhancing the use of woodbased products as one of the main construction materials for multi-storey buildings, thereby storing vast amounts of carbon as well as saving CO2 emissions through substitution of more carbon intensive materials. Furthermore, **this book can enable the reaching of European policy initiatives that aim at resource efficiency and a low carbon economy.** Tackle climate change: Use more wood!”*





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Thank you!

Questions/ comments?

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