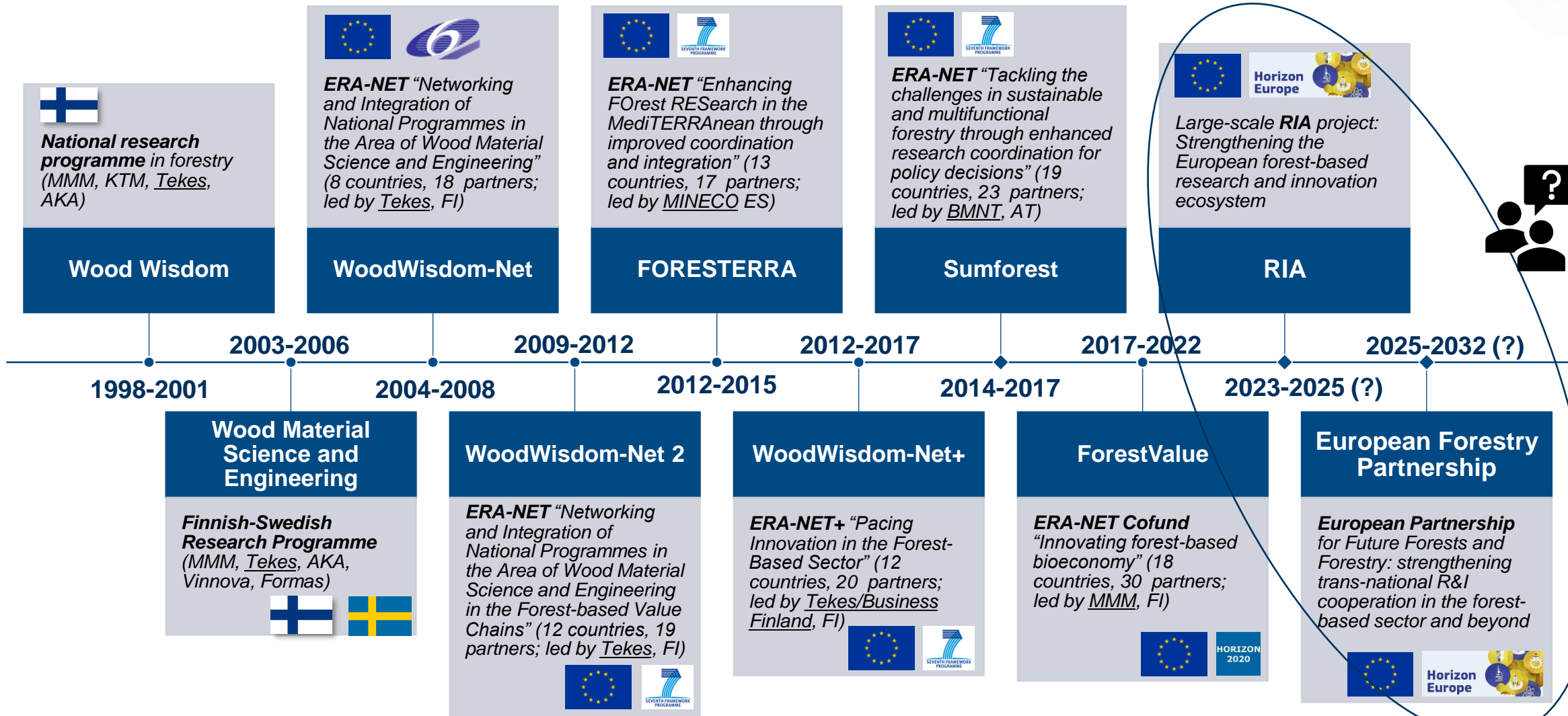


ForestValue Network – Insights And Future Directions

Mika Kallio, Project Coordinator of H2020 ERA-NET Cofund ForestValue (GA No. No 773324)
Ministry of Agriculture and Forestry of Finland

Growth path of the success story

From a national research programme towards a European Forestry Partnership



Figures behind the success story

From a national research programme towards a European Forestry Partnership





A few examples of projects contributing to EU Forest Strategy and other initiatives (1/2)

hardwood_joint

Ongoing (ForestValue JC2017), 10 partners from DE, AT, FR, SE

hardwood_joint – Innovative joints in hardwoods. The objective is to pave the way for using more hardwood products in the building industry by giving added value to hardwood species which are currently mainly used as fuelwood.



Ongoing (ForestValue JC2017), 5 partners from FR, DE, PL, SI

Innovative forest management strategies for a resilient bioeconomy under climate change and disturbances (I-MAESTRO) improves the scientific basis for developing management strategies that increase resilience for future natural disturbances and climate change, while maintaining a high level of wood production, carbon storage, and habitat quality for biodiversity.



Ongoing (ForestValue JC2017), 23 partners from SE, ES, DE, FI, IE, SI, UK

InFutUReWood – Innovative Design For the Future – Use and Reuse of Wood (Building) Components. The main objective is to develop a method for ensuring future possibility of circulation of timber products with true consideration of whole life-cycle, and practical industry issues at design, construction and deconstruction phases.



Ongoing (ForestValue JC2017), 7 partners from FI, AT, DE, NO, SE

MultiForest – Management for multifunctionality in European forests in the era of bioeconomy. The project aims to provide novel insights to forest policy, forest management and land-use planning by quantitatively analysing impacts of policies, management practices and developing large scale forest programs that can simultaneously maintain or increase timber production and ensure the sustainability and resilience of multifunctionality in forests.



Ongoing (ForestValue JC2017), 7 partners AT, DE, ES, FR, NO, PT, SE

NOBEL – Novel business models and mechanisms for the sustainable supply of and payment for forest ecosystem services. The objectives of the project are (i) to develop business models and mechanisms to internalise the socio-economic value of forest ecosystems, (ii) combine public policy tools with business models for implementing payments for forest ecosystem services (FES) at multiple levels, and (iii) demonstrate and compare alternative approaches for payments in case studies in Europe.



A few examples of projects contributing to EU Forest Strategy and other initiatives (2/2)

FutureBioEcon

Completed (Sumforest Joint Call), 2017-2020, 4 partners from **SE**, AT, FI, ES

Sustainable future of European Forests for developing the bioeconomy. The objective of this project was to devise sustainable ways to achieve European and national policies and practice in bioeconomy.



Completed (FORESTERRA Joint Call), 2015-2018, 15 partners from 10 countries **FR**, DZ, BG, HR, GR, IT, SI, ES, PT, TN

INtegrated research on FOrest Resilience and Management in the mEDiterranean. One of the main objectives was to define innovative and science-based forest management and planning recommendations at different operational scales and for different Mediterranean forest types, oriented to the provision of ecosystem services and the enhancement of the resilience and adaptive capacity of the system in the face of global change.



Cascading Recovered Wood

Completed (Joint Call WoodWisdom-Net+), 2014-2017, 14 partners from **DE**, AT, FI, FR, SI

Cascading Recovered Wood. A European project to innovatively recapture, reuse and recycle wood products. The overall objective of this project was to introduce an upgrading concept for recovered solid timber as a source of clean and reliable secondary wooden products for the European industry.



Completed (WoodWisdom-Net 2 Joint Call with ERA-NET Bioenergy in 2010: "Sustainable forest management and optimised use of lignocellulosic resources – Bridging gaps between research disciplines, producers, consumers and society"), 2012-2014, 10 partners from **SE**, FR, FI, PL

Wood based materials and fuels was a research project within the biorefinery concept where forest raw material is converted into value-added products, in similarity to what happens in a conventional oil-based refinery. A strong focus was to educate young scientists, resulting in five PhD examinations, post doc visits and master thesis projects.



Completed (WoodWisdom-Net 2 Joint Call 2009), 2010-2013, 11 partners (+ several industry partners) from **FI**, DE, SE, AT, IT

Wood in carbon efficient construction. The main objectives of the project were to define principles for carbon footprint assessment, and to assess greenhouse gas impacts of wooden building products and buildings.

FireInTimber

Completed (WoodWisdom-Net Joint Call 2006), 2007-2010; 14 partners from **SE**, AT, EE, FI, FR, DE, NO, CH, UK)

Fire resistance of Innovative Timber structures. The main result for a greater audience is the technical guideline Fire safety in timber buildings. It was the very first European wide guideline on the fire safe use of wood in buildings. The guideline presents information for architects, engineers, educators, authorities and building industries on the fire safe use of timber structures and wood products in buildings.



RIA topic to prepare for a European Forestry Partnership

In 2019 based on the initiative by the Ministry of Agriculture and Forestry of Finland there was submitted a proposal for a European Forestry Partnership to the European Commission. The partnership was expected to continue the successful work done during the earlier ERA-NET Actions in forest-based sector. The initiative was not accepted to be realised during the 1st design phase of the Horizon Europe but the European Commission acknowledged the importance of the initiative.

➤ ***Draft of the Work Programme 2021-22 of Cluster 6 (Food, Bio-economy, Natural Resources, Agriculture and Environment includes a topic for a large-scale collaborative initiative to strengthen the European forest-based research and innovation ecosystem (HORIZON-CL6-2022-CIRCBIO-01-06: Strengthening the European forest-based research and innovation ecosystem)***

Expected Outcome: With a view to the new EU Forest Strategy, successful proposals will assess supporting research needs and funding possibilities in forestry and the forest-based sector contributing to the multifunctionality and management of forests in Europe based on the three pillars of sustainability (economic, environmental and social). Project results are

Among other things, the initiative it is expected to develop an R&I roadmap at EU-level and **prepare for a possible implementation of European Partnership in Horizon Europe.**

