

Update	Name	Email Address	Institution	Type of institution	Country	Project idea	Existing experience / network	Needed experience / partner
01.02.	BUYUKKIL ECI, Ali Oguz	oguzbuyukkil.eci@iyte.edu.tr	Izmir Institute of Technology	Academic institution	Turkey	Some forest biomass, such as the hardwoods, contains a considerable amount of xylan. In cellulose-based industries, xylan is considered a by-product. Valorization of xylan to obtain value-added products can increase the biomass's value & yield a sustainable bioeconomy. The xylan containing streams & residues like sawdust & chips can be treated to recover xylan, which can then be hydrolyzed into xylose & xylooligosaccharides.	Our primary focus is to obtain xylan & hydrolyze xylan into xylooligosaccharides (XOS) & xylose. We apply thermal, hydrothermal, solvent-based & chemical pretreatments to recover xylan, followed by enzymatic hydrolysis. We test the prebiotic potential of XOS & xylan & utilize xylose in the fermentative production of bio-based chemicals. Using in-vitro & animal models, we can test the functions of xylan & XOS.	We need to incorporate our experience with that of the groups focusing on recovery & utilization of other biomass components, namely cellulose & lignin. This would help to develop a biorefinery approach & sustainable bioeconomy. We would like to apply advanced analytical techniques to reveal structures of xylan & XOS.
01.02.	Yüksek, Turan	turan.yuksekk@erdogan.edu.tr	Recep Tayyip Erdogan University, Department of Landscape Architecture	Academic institution	Turkey	Production of solid & liquid vermicompost (vermicompost, vermish, etc..) using forest waste materials & determination of the effects of these fertilizers on soil quality & plant growth	We have been working on converting different types of organic wastes into solid & liquid worm manure with vermicomposting technique for 12 years. In this context, we applied the vermicomposting technique in the recovery of many wastes such as tea waste, hazelnut waste, sawdust, food waste, etc. We have successfully completed 3 master's theses & 5 projects in this field. As of now, 2 projects are continuing.	We need expert colleagues who have experience in biology of worms, especially Eisenia fetida, enzyme isolation from worm or worm products, & secondary metabolites, & who work at a university, research institution or NGO in the EU.
01.02.	Baruah	kartik.baruah@slu.se	Swedish University of Agricultural Sciences	Research institution	Sweden	There is a growing interest to valorize waste biomass streams from forest industry to produce functional ingredients for applications in human food & aquaculture animal health. The main target for these high-valued food ingredients are non-digestible oligosaccharides, which appeared to possess prebiotic potentials. I am interested in studying the bioactivities of these functional ingredients using brine shrimp Artemia as in vivo model organisms, to apply in aquaculture.	https://www.researchgate.net/profile/Kartik_Baruah	Bio-refinery, forest waste recycle, circular economy, aquaculture, functional feed, polyphenols
01.02.	KRÜGER, Maximilian	maximilian.krueger@uni-siegen.de	University of Siegen, Institute for Information Systems & New Media	Academic institution	Germany	Socio-technical approaches forest ecosystem services & climate adaptation, development of ICT tools for forestry/forest management/forest protection	Design & development of innovative socio-technical applications for a variety of contexts, from energy management in private homes & industry, to computer supported cooperative work (CSCW), mobility, care, education & activism. Innovative qualitative methodological approaches to study use & appropriation of technologies in practice, to support design. Grounded in HCI/HRI. Experience in leading regional, national (DFG, BMBF, BMWi) & international research projects (H 2020, E+, DAAD).	We would be ready to join consortia with expertise in climate science/forestry/ecosystem services & contribute our experience in socio-technical design, ICT, ethnography.
01.02.	OZOLS, Kaspars	kaspars.ozols@edi.lv	EDI - Institute of Electronics & Computer science	Research institution	Latvia	We offer our expertise in Remote sensing	Satellite image processing algorithms // Land cover (use) classification // Forest mapping & classification // Classification of bogs & peatlands // Timber stock assessment // Flood simulations from LiDAR data // Tree species identification & height estimation // forest density estimation // stock volume estimation model	N/A
01.02.	KOWALUK, Grzegorz	grzegorz_kowaluk@sggw.edu.pl	Warsaw University of Life Sciences - SGGW	Academic institution	Poland	1. Formaldehyde-free lignocellulosic-based composites of efficient life cycle for building applications. 2. Biopolymers in wood & wood-based materials 3. Lignocellulosic composites of defined end-of-life scenarios Ready to participate in ForestValue	Networking: several COST actions in forest-domain; ongoing - 2 international projects, including H2020. Experience: application of biopolymers to wood modification; nanoparticles (CNF); composites with regenerated cellulose; lignocellulosic composites for structural & non-structural applications (from production & wide characterization to application); wood bonding; self-assembly wooden materials	Basic research in biopolymers production, modification & application; surface chemistry
01.02.	BALAMUT, Gülşah	gbalamut@keas.com.tr	Kastamonu Entegre Ağaç San. & Tic. A.Ş.	Large company	Turkey	wood based composite panels for different industries (construction, automotive, furniture, etc.) biomass extraction & glue synthesis (tannin, lignin, nanocellulose, etc), functional coatings,	ECOBULK -Circular Process for Eco-Designed Bulky Products & Internal Car Parts (U2020 730456-2) ONGOING E ² COMATION, Smart factories that optimize energy consumption & environmental aspects of production // WOODPRINT - Development of Value-Added Tree-Based Panels Using Digital Printing & Functional Coatings // Development of Fire Resistant Wooden Interior Fill Panel & Design of Wooden Fire Door // Development of formaldehyde-free resin systems - Isolation of Lignin from Waste Black Liqueur	we would like to participate as partner
01.02.	ATES, MAHMUT	mahmut.ates@tubitak.gov.tr	TUBITAK - MARMARA RESEARCH CENTER	Research institution	Turkey	To investigate sustainable Soil fertility improvement by using Bio-based additives. We can design & try a sustainable production process of this type of additive. These type of materials can be produced in Forest area or vicinity of the town.	We have completed as a partner HORIZON 2020 project about biomass called "BIOMASUD PLUS (2016-218)". We were partner of this project as Turkey collaborator.	We are experienced about biomass energy whole chain but we need some collaboration on Biotic & abiotic threats. We have no enough information about forest soil & soil vulnerability against harmful things.
25.01.	DEMIRBAG, Zihni	zihni@ktu.edu.tr	Karadeniz Technical University	Academic institution	Turkey	Biological control of forest pests	Insect pathology: isolation, identification, formulation ve small scale production of bio-pesticides	Large scale production of bio-pesticide, field application, toxicology tests of developed products

25.01.	EROL, Seyfettin	Seyfierol@superonline.com	Etts Elektronik Ticaret Ltd Şti	SME	Turkey	A for profit company which sells trees & enhances the tree planting experience using drone technology.	Vast project management experience in technology & logistics	Forestry knowledge. Local habitat knowledge
25.01.	ELSABAGH Mabrouk	melsabagh@ohu.edu.tr	Niğde Ömer Halisdemir University	Academic institution	Turkey	Recycling Forestry residues into livestock feed	Animal Nutrition & Feed Science	Agronomy, Vermicompost, Biofuel
25.01.	Serengil	serengil@istanbul.edu.tr	Istanbul University-Cerrahpaşa	Academic institution	Turkey	Forest, water, climate change, GHG emissions & removals	Watershed management, CC & Carbon accounting	Similar experience & collaboration
25.01.	BIRBEN, Üstüner	birben@karatekin.edu.tr	Çankırı Karatekin University	Academic institution	Turkey	Protected Areas & Biodiversity Protection	Forest & Environmental Law	Forest & Environmental Law
25.01.	UTKAN, Guldem	guldem.utkan@marmara.edu.tr	Marmara University, Faculty of Engineering, Chemical Engineering Department	Academic institution	Turkey	Surface coatings of wood & wood products to enhance the properties	Green production of nanomaterials, surface functionalization, polymers, graphene derivatives, metallic nanoparticles	Partners having extended experience with EU projects & SME needed
25.01.	SENSES, Erkan	esenses@ku.edu.tr	Koç University	Academic institution	Turkey	Nanocellulose based smart nanocomposites	self assembly & rheology of complex fluids with cellulose nanocrystals	surface chemistry/modification
25.01.	CAN, Ahmet	acan@bartin.edu.tr	Bartın University	Academic institution	Turkey	Microencapsulation of Phase-Change Materials & Their Application to Wood Material for Energy Conservation in Buildings	no	Microencapsulation of Phase-Change Materials
25.01.	SALO, Jari	jari.salo@helsinki.fi	University of Helsinki, Faculty of Agriculture & Forestry, Department of Economics & Management	Academic institution	Finland	We can participate in forest value.	Consumer perceptions or supply chain co-innovation.	Can join in as a partner
25.01.	LOSTRANGI O, Maria Carla	mariacarla.lostrangio@gmail.com	Euromontana	NGO	France	Forest based-value chains in mountains	Dissemination & Communication, Policy recommendations	Research partners
25.01.	KILPELÄINE N, Pekka	pekka.t.kilpelainen@oulu.fi	University of Oulu	Research institution	Finland	Wood constructions - health benefits / safety & market challenges, & consumer perceptions & values together.	We are currently carrying a large scale health effect study of wooden school with suitable control schools, short introduction in my blog article www.bioeconomy.fi/wooden-building-a-beauty-with-health-benefits/ . There we study physical, chemical & microbiological characteristics of buildings & pupils' stress by two different methods. Our laboratory (Unit of Measurement Technology) has strong experience in measurement development & validation (sensors for point-of-care & continuous monitoring, use of sensors in IoT), in biomasses (their processing & analytics: in particularly health beneficial compounds). In 2020 we received 5 internationally funded projects: 2 of them dealt with forest biomasses & their health benefits, two with human health & one with agriculture (biomasses & health combined). The last one was an ERA-Net project from www.ictagrifood.eu . We are prepared to work actively for proposal development, can support the proposal by initial results from our study of health effects of wood construction, & we would like to develop further monitoring of buildings (how to do it properly, what to measure, how to benefit from it - both as someone living & working in the house & as a construction company/business) & to continue some lines of our current project (+ to support partners' work in the project by taking care of possible questionnaires & desk studies in Finland & regions close to us). To browse our publications, use author names Vesa Virtanen, Mari Jaakkola & Adama Sesay.	We would like to have a partner or lead partner who has strong expertise in construction field itself, & who would like to study in the this project market challenges, consumer perceptions & values - these we think would combine nicely with monitoring buildings & with health & safety issues. But any other topic matching to our ideas would be ok. We are more a biomass & measurement laboratory, & we definitely need a strong wood construction expert to join us.