

Short Term Scientific Missions (STSM)

Update March 2023



GP	STSMs
1	2
2	18
3	6
4	12
GP5	10
Total	48

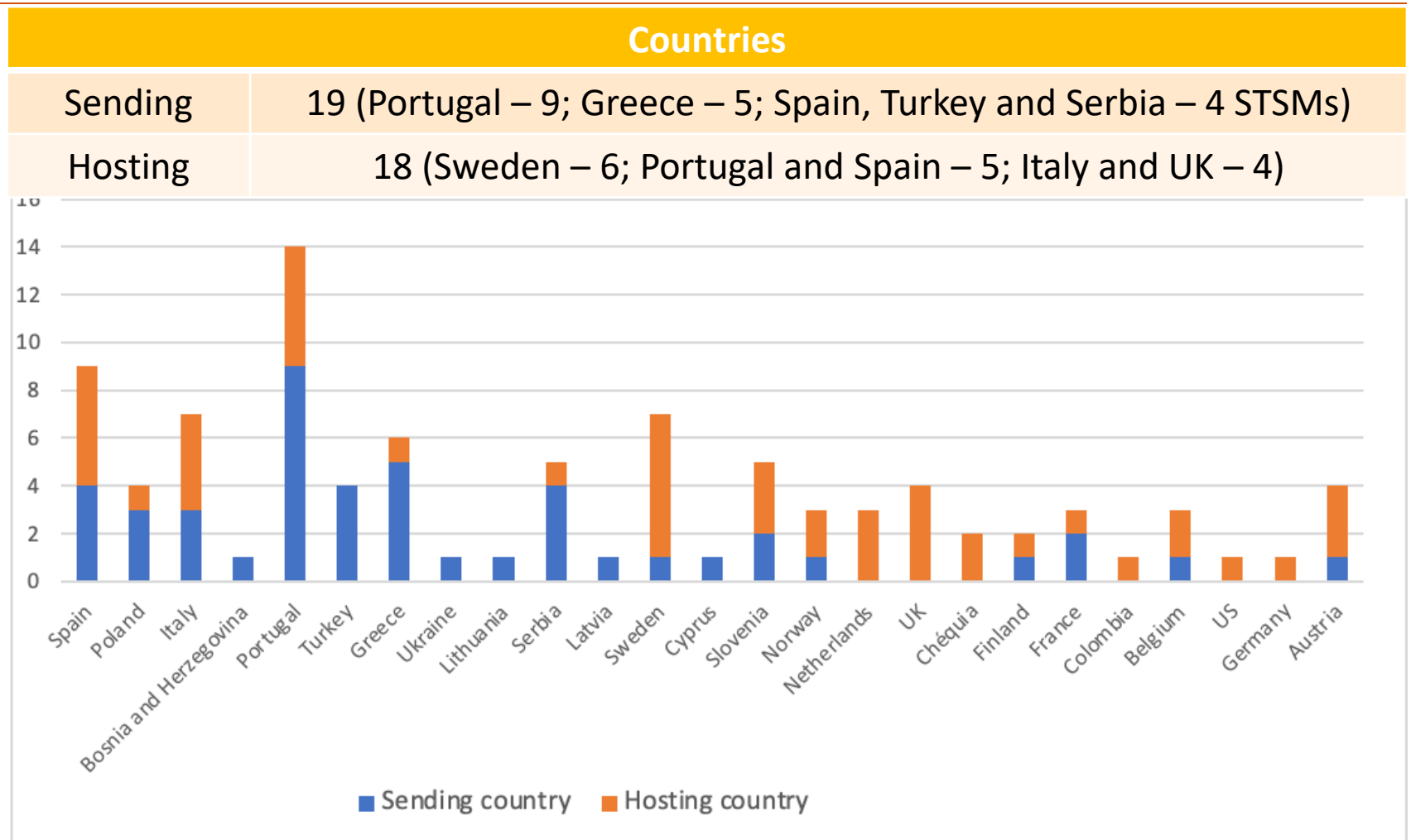
Overview of STSMs
15 March 2023

Ongoing

Sending:
10 ITC – 27/48
(56.2%)

Hosting:
5 ITC – 12/48
(25.0%)

28/48 (58.3%)
Females



- 1st Grant period: 2 STSMs

Name	Sending Institution	Host Institution	Thematic (Duration)
Noelia Lázaro	University of Cordoba, Spain	Università degli Studi "Mediterranea" di Reggio Calabria, Italy	Catalytic upgrading of lignin fractions by metal-based materials (31 days)
Eduardo Espinoza	University of Cordoba, Spain	NTNU Norwegian University of Science and Technology, Norway	The use of lignin from wheat straw for biocomposites via 3D printing (16 days)

- 2nd Grant period - 1st call: 7 STSMs

Name	Sending Institution	Host Institution	Thematic (Duration)
Marta Goliszek	Maria Curie-Sklodowska University, Poland	Ca'Foscari University of Venice, Italy	NMR characterization of different solvent fractions of LignoBoost lignins and their methacrylic derivatives (22 days)
Nicola Di Fidio	University of Pisa, Italy	Wageningen Food & Biobased Research, Netherlands	Study on the electrochemical conversion of lignin into functionalised biopolymers (147 days)
Beata Podkościelna	Maria Curie Sklodowska University, Poland	KTH-Royal Institute of Technology, Sweden	Study of physico-chemical properties of unmodified and modified lignin and its polymeric products in form of biocomposites (7 days)

- 2nd Grant period - 1st call: 7 STSMs (cont)

Name	Sending Institution	Host Institution	Thematic (Duration)
Jasmin Suljagic	University of Tuzla, Herzegovina	National Institute of Chemistry, Slovenia	Investigation of natural deep eutectic solvents for fractionation of waste lignocellulosic biomass (10 days)
Esther Rincón	University of Córdoba, Spain	KTH Royal Institute of Technology, Sweden	Direct transformation of industrial lignin and lignosulfonates into valuable materials (92 days)
Filipe Hobi Bordón Sosa	Universidade de Aveiro, Aveiro, Portugal	National Institute of Chemistry, Slovenia	Catalytic depolymerization and conversion of lignin into value-added products assisted by deep eutectic solvents and hydrodeoxygenation heterogeneous catalysis (43 days)

- 2nd Grant period - 1st call: 7 STSMs (cont)

Name	Sending Institution	Host Institution	Thematic (Duration)
Federica Nardella	Department of Chemistry and Industrial Chemistry, Italy	Lund University, Sweden	Supercritical fluid chromatography and high-resolution mass spectrometry to study the effects of pre-treatments on lignin (62 days)

- 2nd Grant period - 2nd call: 11 STSMs

Name	Sending Institution	Host Institution	Thematic (Duration)
Gözde Duman Tac	Ege University (Izmir), Turkey	UK Biochar Research Centre, UK	Production and Characterization of Nitrogen-Doped Porous Carbon Derived from Lignin Wastes for Advanced Applications (19 days)
Christina Pappa	Aristotle University of Thessaloniki (Thessaloniki, Greece)	Ca'Foscari University of Venice, Italy	Structural characterization of isolated lignins and modified fractions for use in polymer composites using NMR and GPC analysis (44 days)
Vita Halysh	Igor Sikorsky Kyiv Polytechnic Institute (Kyiv, Ukraine)	University of Jaen, Spain	Pretreatment technologies for an efficient enzymatic hydrolysis and fermentation of agro-industrial wastes (14 days)

■ 2nd Grant period - 2nd call: 11 STSMs (cont)

Name	Sending Institution	Host Institution	Thematic (Duration)
Karolis Sivickis	The State Scientific Research Institute Nature Research Centre (Vilnius, Lithuania)	Institute of Microbiology Laboratory of Biotransformation, Prague, Czech Republic	Examination of fungal oxidases potential for lignin upgrading (28 days)
Vesna Vasić	FUniversity of Novi Sad, Faculty of Technology Novi Sad (Serbia)	CEF - Forest Centre Research, Portugal	Isolation and characterization of lignin from blackberry cane (11 days)
Matiss Pals	Latvian State Institute of Wood chemistry (Riga, Latvia)	University of Groningen, Netherlands	Organosolv delignification of tree bark and comprehensive analytical characterization of separated lignins (21 days)

■ 2nd Grant period - 2nd call: 11 STSMs (cont)

Name	Sending Institution	Host Institution	Thematic (Duration)
Eid Gul	University of Perugia (Perugia, Italy)	Edinburgh University, UK	Lignin magnetic carbon activation: comparison of chemical and physical processes (56 days)
Omar Abdelaziz	Lund University (Lund, Sweden)	LSRE-LCM, University of Porto, Portugal	Recovery of high value chemicals from the oxidative depolymerisation of lignin (12 days)
Angeliki Kylili	Frederick University (Nicosia, Cyprus)	VTT Technical Research Centre of Finland	Development of a comprehensive Life Cycle Inventory (LCI) for the production of bio-based products and bioenergy at lignocellulosic biomass biorefineries (15 days)

■ 2nd Grant period - 2nd call: 11 STSMs (cont)

Name	Sending Institution	Host Institution	Thematic (Duration)
Alessio Zuliani	Universidad de Cordoba (Cordoba, Spain)	Department of Petroleum Technology and Alternative Fuels, University of Chemistry and Technology Prague, Czech Republic	Upgrading of lignin-derived phenolics and furanics compounds by nickel-based catalysts (12 days)
Ricardo da Costa	Centre for Functional Ecology - Science for People & the Planet (CFE) (Coimbra, Portugal)	IBERS, Aberystwyth University, UK	Valorisation of Lignocellulose to Address Ecological and Economical Concerns in Portugal – Biological Pretreatments as a Lignin-First Approach (19 days)

- 3th Grant period - continuous call: 6 STSMs

Name	Sending Institution	Host Institution	Thematic (Duration)
Oihana Gordobil	InnoRenew CoE (Izola, Slovenia)	Tecnalia - Health division - San Sebastian (Spain)	Biological properties of industrially derived lignins (19 days)
Jaroslava Švarc-Gajić	Faculty of Technology (Novi Sad) (Serbia)	Universidad Cooperativa de Colombia (Colombia)	Development of mathematical models for lignin valorisation (32 days)
Ana Lourenço	Instituto Superior de Agronomia, Universidade de Lisboa (Portugal)	INRA-FARE (France)	Application of microscopic techniques for a quick analysis of lignin composition in different tissues of E. globulus stumps (20 days)

- 3th Grant period - continuous call: 6 STSMs (cont)

Name	Sending Institution	Host Institution	Thematic (Duration)
Dragana Kukic	FUniversity of Novi Sad, Faculty of Technology Novi Sad (Serbia)	Instituto Superior de Agronomia, Universidade de Lisboa (Portugal)	Isolation and characterization of organosolv lignin from raspberry canes and its purification by enzymatic hydrolysis (20 days)
Vesna Vasić	FUniversity of Novi Sad, Faculty of Technology Novi Sad (Serbia)	Instituto Superior de Agronomia, Universidade de Lisboa (Portugal)	Isolation and characterization of dioxan lignin from raspberry canes (20 days)
Oihana Gordobil	InnoRenew CoE (Izola, Slovenia)	KTH-Royal Institute of Technology (Sweden)	Structural characterization of lignin samples from different sources and on the corresponding nanoparticles (LNPs) (12 days)

- 4th Grant period - continuous call: 12 STSMs

Name	Sending Institution	Host Institution	Thematic (Duration)
Jaime Gracia Vitoria	VITO (Belgium)	National Renewable Energy Laboratory (NREL) (USA)	Influence of process conditions on depolymerized lignin oil quality. Towards high quality lignin oil
Theresa Rücker	Sintef Industry (Norway)	Institute of Natural Materials Technology of Dresden (Germany)	Feasibility study for the production of molded packaging parts from extracted bark residues using lignin as binder
Christina Pappa	Aristotle University of Thessaloniki (Greece)	VITO (Belgium)	Utilization of lignin hydrogenolysis bio-oils towards bio-based epoxy thermoset polymers

- 4th Grant period - continuous call: 12 STSMs (cont.)

Name	Sending Institution	Host Institution	Thematic (Duration)
Beata Podkościelna	Maria Curie Sklodowska University (Lublin, Poland)	KTH Royal Institute of Technology (Sweden)	Study of spectroscopic and thermal properties of new polymeric lignin-containing coatings
Tiphaine Richard	ICAM Lille (France)	Wageningen Food and Biobased Research (Netherlands)	Catalytic functionalization of lignins, characterization and evaluation in different applications
Julia Tomasich	Technische Universität Wien (Austria)	InnInnoRenew CoE (Izola, Slovenia)	Investigation on Colloidal Lignin Particles under UV irradiation

■ 4th Grant period - continuous call: 12 STSMs (cont.)

Name	Sending Institution	Host Institution	Thematic (Duration)
Giovana Colucci	Instituto Politécnico de Bragança (Portugal)	Università Ca' Foscari Venezia (Italy)	Study of the effect of lignin fractionation in the production of Pickering stabilizers and emulsions therefore
Ana Sofia Goncalves	Faculty of Engineering of the University of Porto (Portugal)	Bangor University - BioComposites Center (UK)	Lignosulphonate-based medium-density fibreboards with low pMDI content
Ricardo Costa	Instituto Superior de Agronomia (Portugal)	Faculty of Technology (Novi Sad) (Serbia)	Adsorption properties of lignin isolated from blackberry canes
Duarte Neiva	School of Agriculture, Lisbon University (Portugal)	Katholieke Universiteit Leuven (Belgium)	Use of Reductive Catalytic Fractionation (RCF) to obtain rich stabilized phenolic moieties from Acacia bark lignin

- 4th Grant period - continuous call: 12 STSMs (cont.)

Name	Sending Institution	Host Institution	Thematic (Duration)
Elsa Duret	University of Pau and Adour's Country (France)	Chemical and Environmental Engineering Department - University of Basque Country (Spain)	Lignin precipitation with organic acids
Mustafa Zor	Zonguldak Bulent Ecevit University (Turkey)	Basque Center on Materials, Applications and Nanostructures (Spain)	Triboelectric behavior of nano cellulose / nanolignin composite films

- 5th Grant period - 10 STSMs - ongoing

Name	Sending Institution	Host Institution	Thematic (Duration)
Elias Feghali	Notre Dame University-Louaize (NDU), Lebanon	Aristotle University of Thessaloniki, Greece	Assessing the recyclability of lignin-based epoxy thermoset polymers by hydrogenolysis (7 days)
Maria-Varvara Sarafidou	Agricultural University of Athens, Greece	Instituto Politécnico de Bragança, Portugal	Lignin as an antioxidant and antimicrobial agent for packaging applications (28 days)
Ana Lourenço	Instituto Superior de Agronomia, Universidade de Lisboa, Portugal	Faculty of Biology, Barcelona University, Spain	Evaluation of lignin composition along the annual rings of Pinus pinea subject to environmental stress using microscopic technique (56 days)

■ 5th Grant period - STSMs (cont.) - ongoing

Name	Sending Institution	Host Institution	Thematic (Duration)
Sabarathinam Shanmugam	Eesti Maaülikool, Tartu, Finland	SINTEF, Oslo, Norway	Electrochemical Valorization of Lignin in Ionic Liquids (LIGIONS) (12 days)
Ferhat Şen	Zonguldak Bülent Ecevit University, Turkey	University of Natural Resources and Life Sciences, Vienna, Austria	Determination of chemical properties of nanolignin to expand its industrial applications (5 days)
Olga Psaki	Agricultural University of Athens, Greece	Maria Curie-Skłodowska University in Lublin, Poland	Property evaluation of polyhydroxyalkanoates bio-based composites with lignin (16 days)

■ 5th Grant period - STSMs (cont.) - ongoing

Name	Sending Institution	Host Institution	Thematic (Duration)
Katiana Filippi	Agricultural University of Athens, Greece	KTH-Royal Institute of Technology, Sweden	Characterisation of lignin fractions derived from agro-industrial waste streams using novel pretreatment methods (15 days)
Mustafa Zor	Zonguldak Bülent Ecevit University, Turkey	University of Natural Resources and Life Sciences, Vienna, Austria	Development and potential applications of modified nanolignin (5 days)
Ricardo Costa	Instituto Superior de Agronomia, Lisboa, Portugal	Technische Universität Wien, Vienna, Austria	Organosolv extraction and precipitation of lignin from bi-products generated by the pine nut industry (11 days)

- 5th Grant period - STSMs (cont.) - ongoing

Name	Sending Institution	Host Institution	Thematic (Duration)
Zhiwen Wang	Institute of Chemistry University of Graz, Austria	Engineering and Technology Institute Groningen (ENTEG), Netherlands	Isolation of native-like lignin in high yield and quantity (15 days)



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