

CA17128 LignoCOST Conference and Working Groups ONLINE

Dates: September 1-2, 2021

September 1:

09.15-09.30 Login procedure

09.30-12.30 Plenary morning session with (invited) presentations (chairs: Richard Gosselink - WUR, NL and Jeannette Lucejko - Uni Pisa, IT)

Key note presentations:

Closing the circle: exploitation of residual lignin after polysaccharides catalytic/biocatalytic conversion by Anna Maria Raspolli Galletti (Uni Pisa, IT)

Metabolic engineering to obtain fungal cell factories for the production of aromatic platform chemicals by Ronald de Vries (Westerdijk institute / Utrecht University, NL)

Catalytic fast pyrolysis of lignin towards phenolic and aromatic bio-oils by Konstantinos Triantafyllidis (Aristotle University of Thessaloniki, GR)

11.00-11.30 Coffee break / chat

Overview & status LignoCOST (chair: Richard Gosselink - WUR, NL)

Dissemination (Konstantinos Triantafyllidis, communication manager)

STSMs (Filomena Barreiro, STSM coordinator)

12.30-13.15 Lunch & chat & posters (look at posters *via Google drive link*)

13.15-15.45 Joint working group meetings (in separate chat rooms)

WG1 + WG2 (chair: Bernard Kurek, INRAE - URCA, FR)

WG3 + WG4 + WG5 (chair: Karolien Vanbroekhoven - VITO, BE)

15.45-17.00 Posters (short presentations 3 min + 2 min Q&A) (chair: Claudia Antonetti - Uni Pisa, IT)

September 2:

09.15-09.30 Login procedure

09.30-10.00 Key note presentation: Nanolignin: a different perspective in lignin valorization by Claudia Crestini (Uni Venice, IT) chair: (Richard Gosselink)

10.00-11.30 Joint working group meetings (in separate chat rooms)

WG1 + WG2 (chair: Pieter Bruijninx - Utrecht University NL)

WG1: Federica Nardella, Study of the effects of milling and UV pretreatment on softwood and hardwood.

WG1: Gijs van Erven, Lignin quantification by pyrolysis-GC-MS employing uniformly ¹³C labeled lignin internal standards.

WG2: Antigoni Margellou, Reductive depolymerization of various lignin types by metal catalysts supported on micro/mesoporous carbon.

WG2: Vasile Parvulescu, Enzyme biocatalysis for lignin derivatization.

WG2: Matiss Pals, The optimisation of Organosolv process of bark Delignification process with focus on purification of isolated lignin fraction.

WG3 + WG4 + WG5 (chair: Tomani Per – RISE, SE)

WG3: Oihana Gordobil, Biological properties of lignin from different sources.

WG3: Christina Pappa, Utilization of Kraft lignin for the production of thermosetting bio-based epoxy polymer composites.

WG5: Georgios Iakovou, Screening of multiple valorization pathways for kraft lignin fast (catalytic) pyrolysis through Techno-Economic Analysis and Life Cycle Assessment.

WG5: Heiko Keller, Potential sustainability pitfalls in the success story of advanced lignin use.

11.30-12.00 Coffee break

12.00-13.00 Joint working group meetings (in separate chat rooms)

WG2 + WG4 + WG5 (chair: Karolien Vanbroekhoven - VITO, BE)

WG1 + WG3 (chair: Koutinas Apostolis – AUA, GR)

13:00-14.00 Lunch / chat / posters

14.00-15.30 Plenary feedback WG sessions (each WG leader) (chair: Ted Slaghek - WUR, NL)

15.30-16.00 Final remarks, planning (chair: Richard Gosselink – WUR, NL)