

Carbon dioxide and biobased chemistries for producing greener polymers and organics

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Time	Wednesday 10/09	Thursday 11/09/2025
8.30 – 9.00	Welcome/Coffee	
9.00 – 9.10	Introduction Day 1: Bio-/CO2-based polymers and recycling	Introduction Day 2: CO2, biobased and flow chemistry
9.10 – 10.10	From Robustness to the Chemical Degradation and Reconversion of Vinyl Polymers Prof. Daniel Taton (University of Bordeaux)	Advanced-flow reactors: assets, challenges and industrial cases Dr. Guillaume Gauron (Corning AFR)
10.10 – 11.10	Covalent adaptable networks – a new avenue towards recyclable thermoset polymers Prof. Maarten Smulders (University of Wageningen)	Bi-functional heterogeneous catalysts for the valorization of CO2: structure-activity correlation unveiled via in-depth characterization at solid state Prof. Carmela Aprile (University of Namur)
11.10 – 11.30	Break	
11.30 – 12.30	CO2-based exovinylene cyclic carbonates: versatile building blocks for polymers and advanced materials design Dr. Bruno Grignard (Univ. of Liege)	Multi-functional heterogeneous (bio)catalysts for biomass upgrading Prof. Damien Debecker (Catholic University Louvain)
12.30 – 14.00	Lunch (not included)	
14.00 – 15.00	CO2-based non-isocyanate polyurethanes as biomaterials Prof. Christine Jérôme (University of Liège)	From lignocellulose-derived guaiacols to specialty & fine chemicals Prof. Bert Maes (University of Antwerp)
15.00 – 16.00	Valorisation of CO2 waste streams into polyester for a sustainable circular industry Dr. Benoît Illy (Fairbrics)	Life Cycle Assessment, a tool for checking the environmental relevance of green innovation Dr. Olivier Talon (MateriaNova)
16.00 – 16.30	Break	
16.30 – 17.30	Scientific writing Dr. Diana Silva (University of Liege)	Preparation of competitive CV and grants Dr. Diana Silva (University of Liege)
17.30-18.30	-	Artificial intelligence Dr. Pauline Bianchi (UCLA)