

**Summer School on
Materials Life Cycle Assessment for Sustainable Hospitals - Bologna**

University of Bologna, Distretto del Navile , Aula 1B UE1
Via della Beverara, 123/1, 40131 Bologna BO, Italia

	26/06/2024	27/06/2024	28/06/2024
9.00 - 9.15	Welcome/Registration		
	Session I - Life Cycle thinking methodologies and biocompatible material systems	Session I - Life Cycle thinking methodologies and biocompatible material systems	Session II - Innovative biobased materials and designing for improving sustainability
9.15 - 10.00	S. Maranghi (ECOI) - Life Cycle Assessment methodology: general introduction	D. Arbault (INSA) - Consequential LCA of bio-based production of a platform organic compound	G. Dolci (Polimi) - Compostable bioplastics in the waste management system
10.00 - 10.45	D. Cespi (UNIBO) - How to create life cycle inventories of chemical products at laboratory and pilot scale?	A. Piegat (ZUT) - Sustainable materials for biomedical applications – state of the art and future perspectives	Marton Tomin (BME) - Challenges in the development of shock-absorbing biopolymer foams
10.45 - 11.15 - Coffee break			
	Session I - Life Cycle thinking methodologies and biocompatible material systems	Session II - Innovative biobased materials and designing for improving sustainability	11:15 GreenMap consortium meeting
11.15 - 12.00	D. Arbault (INSA) - Carbon Footprint: recent advances and issues	M. Kowalczuk (PAN) - Forensic Engineering Of Advanced Polymeric Materials For Sustainable Development	
12.00 - 12.45	G. Graziani (Polimi) - Additive manufacturing of biomimetic tissue models and scaffolds for orthopaedic applications	P. Polyak (OSU) - Enabling Sustainability in the Polymer Industry by Introducing Biodegradable Polydisulfides Synthesized from Plant Oils	
12.45 - 14.15 - Lunch			
	Session I - Life Cycle thinking methodologies and biocompatible material systems	Session II - Innovative biobased materials and designing for improving sustainability	
14.15 - 15.00	S. Sala (JRC) - European scenarios regarding the methodological development of sustainability analysis of advanced and bio based materials	M. Zdanowicz (ZUT) - Designing functional materials (not only) for medical packaging. Problems and challenges	
15.00 - 15.45	C. Caldeira (Syensqo) - Circular Economy and Sustainability of biobased materials	Flash poster presentation (8 posters, 5 min each)	
15.45 - 16.15 - Coffee break			
	Session I - Life Cycle thinking methodologies and biocompatible material systems	Poster session	
16.15 - 17.00	L. Ciacci (UNIBO) - Tracking material flows and stocks for sustainable polymer life cycles		
17.00 - 17.45	C.L.M. Bianchi (UNIMI) - Ensuring Accurate Calculations in Life Cycle Assessment (LCA): Identifying and Avoiding Potential Errors		
20.00	Social dinner at "Trattoria della Santa"		