

	AUDITORIUM		
8:00	YOUNG PROFESSIONAL NETWORK EVENT		
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9:00	Keynote Lecture		
	Integration of Biological Life Support Systems into Future Human Space Missions Michael T. FLYNN (Advanced Water Recycling Group Lead, NASA Ames Research Center, USA)		
	AUDITORIUM		CINE 3
	Track 1: Eating and Breathing in Space 1.3 On-board Food Production and Preparation	Networking Meetings (as needed basis)	Track 2: Paving the Path to Circular Systems for Space and Earth 3.3 Terrestrial Applications
	Chairs: Stefania de Pascale (University of Naples Federico II), Giorgio Boscheri (Thales Alenia Space Italia)		Chairs: Jeremy Pruvost (University of Nantes), Antoinette Kazbar (University of Wageningen)
			Process Development for Waste Valorisation (continued)
09h45	KEETA: A Novel Development of Self-Sustainable Insect-Based Protein and 3D Food Production System for Crewed Deep Space Missions Chanud SITHIPREEDANANT, Chulabhorn Royal Academy, Thailand		The various applications and development of ESA greywater recycling technology, Pierre MAGNES, FIRMUS, France
			Technology Transfer for Terrestrial Applications
10h00	Results From ESA OSIP Activity: Deep-Space Food Production Based on Single-Cell Protein Production by Means of Gas Fermentation Kim KUTVONEN, Solar Foods Oyj, Finland		New Space Economy: Value Creation Avenues for the Agri-Food Industry Catherine THANNIPPILLY ALEX, ESA BIC Baden Württemberg, Germany
10h15	MELISSA Feeder: Biomass Harvesting System for Food Preparation Rastislav KRAMPL, BioX Technologies, Slovakia		Technology Transfer of The Nutrient Harvester: From Research to an On-Site Urine Resource Recovery Product Michel RIECHMANN, EAWAG / OGMO, Switzerland
10h30	Limnospira – Lipidom and Pathways Rastislav KRAMPL, BioX Technologies, Slovakia		Waterneutral and Sewageless Buildings Peter SCHEER, SEMILLA SANITATION, the Netherlands
			Closed-loop Projects for Spatial Applications
10h45	Fast 2D NMR for Deciphering Lipidic Extracts of Microalgae Iris HALLEGOUET, CEISAM laboratory of Nantes Université, France		Research Towards a Novel Biomanufactory-Based BLSS System Using Giant Reed (Arundo Donax) as a Multifunctional Clonal Propagated Biotech Space-Plant Candidate Orsolya MEIER, University of Debrecen, Hungary
11h00			TICTACS: A Fresh Perspective on Closed Ecological Systems through Citizen Science Patrick GROVE, The Spring Institute for Forests on the Moon, France
			Closed-loop Projects for Spatial Applications (continued)
11h15	Luna Rapa Giorgia PONTETTI, G & A Engineering S.r.l., Italy		The Body Gardeners Frederik DESCHUYTTER, Belgium
11h30	Texture in Space: Exploring the Sensory Dimensions of Cream Cheese for Optimal Astronaut Nutrition Claudia GONZALEZ VIEJO, University of Melbourne, Australia		Exploring the Efficacy of Bioregenerative Life Support Systems: Space-Derived Innovations for Climate-Resilient Agri-Food Systems on Earth Catherine THANNIPPILLY ALEX, Infinite Roots, Germany
			ESA Terrestrial Applications Activities
11h45	Future Foods for Future Space Flights: 3D Printing Solutions for Astronaut Meal Diversity to Combat Menu Fatigue Sigfredo FUENTES, University of Melbourne, Australia		20 Years of Real-life operations of the MELISSA GWTU at Concordia Station, Antarctica Nina PURVIS, European Space Agency
12h00	Towards Cooking in Space Conditions: the Development of an Innovative Cooking Processor to Produce Fresh Food in Space for Long Duration Missions (the TasteInSpace project) Dorothee GOFFIN, University of Liège, Smart Gastronomy Lab, Belgium		Inspiring the Next Generation: Life Support Systems Solution from Space for Earth Training Course Elena Maria CAMPANARO, ESA/ ESTEC, the Netherlands
12h15			From orbit to Earth: Bioregenerative systems for sustainable food and water in space and on Earth Riccardo CAPOLLA / Fabio MAGRASSI, STAM srl, Italy
12h30			ESA BASS Programme Opportunities Arnaud RUNGE, ESA/ ESTEC, the Netherlands
	AUDITORIUM		
12:45	Keynote Lecture		
	Circular Approaches in Terrestrial Applications and Management of Complex Microbial Communities Martin HARTMANN (Senior Scientist in Microbial Ecology and Sustainable Agriculture, ETH Zurich, Switzerland)		
	AUDITORIUM		
13:30	Closing Ceremony		
	Organized by the MELISSA Foundation Robert LINDNER (Head of Life Support and Physical Sciences Instrumentation Section, ESA)		

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