

The MELiSSA consortium today consists of 14 partners including ESA and the MELiSSA Foundation, several universities and companies. Below is a list of MELiSSA partners as well as a list of keywords that summarize their contribution to the MELiSSA project which should be used as a guideline by PhD applications.

Name MELiSSA partner		
European Space Agency Keplerlaan 1 Dr. ir. Christophe LASSEUR Christophe.Lasseur@esa.int NL-2200 AG Noordwijk The Netherlands		
L'Université Clermont Auvergne (UCA) – Clermont 2 Prof. C-G. DUSSAP c-gilles.dussap@uca.fr 34 Avenue Carnot F-63300 Clermont-Ferrand France	<ul style="list-style-type: none"> - Chemical and biological engineering - Bioreactor design - Modeling: physical and biological characteristics - Photobioreactor (Arthrospira, Rhodospirillum) - Nitrification 	
University of Guelph (UoG) Prof. Mike DIXON mdixon@ces.uoguelph.ca Guelph, Ontario N1G 2W1 Canada	<ul style="list-style-type: none"> - higher plant compartment - atmosphere revitalization - food production - nutrient management 	
Ghent University (U Ghent) Sint Pietersnieuwstraat 25 Dr. Benedikt SAS benedikt.sas@ugent.be B-9000 Gent Belgium	<ul style="list-style-type: none"> -waste water treatment -industrial microbiology & biotechnology -plant breeding & crop selection -food processing -food safety & quality 	
EnginSoft S.p.A. Dr. Lorenzo BUCCHIERI l.bucchieri@enginsoft.it Via della Stazione, 27 Fraz. Mattarello I-38123 TRENTO Italy	<ul style="list-style-type: none"> - Computational Fluid Dynamics (CFD)- - Heat Ventilation Air Conditioning (HVAC) - 1D system Fluiddynamic analysis - Software framework and interface 	
University of Lausanne Prof. Suren ERKMAN suren.erkman@unil.ch Unicentre Building CH - 1015 Lausanne Switzerland	<ul style="list-style-type: none"> - Industrial ecology & metabolism - Eco-innovation - Artificial closed ecosystems - Technological trajectories - Green Economy: dematerialization, decarbonization & circular economy 	
IPStar B.V. Lunerkampweg 5 Rob Suters LL.M. rob.suters@ipstar.io NL-5245 NB Rosmalen The Netherlands	<ul style="list-style-type: none"> - valorization space technology - technology transfer - biobased - circular economy - cleantech 	
University of Naples Federico II Dr. Stefania de Pascale Via Università, 100 depascal@unina.it I-80055 Portici, Naples Italy	<ul style="list-style-type: none"> - Hydroponic cultivation and nutrient delivery systems - Plant environmental requirements and optimization of plant gas-exchanges - Plant water relations - Plant-derived food safety and quality - Food characterization: nutritional and anti-nutritional factors. 	
University of Mons Prof. Ruddy WATTIEZ ruddy.wattiez@umons.ac.be 20, Place du Parc B-7000 Mons Belgium	<ul style="list-style-type: none"> - Biochemistry/Biotechnology - Microbial communities - Microbial metabolism - Photosynthetic bacteria - Functional and structural proteomics 	

<p>Vlaamse Instelling voor Technologisch Onderzoek N.V. (VITO) Dr. ir. Heleen DE WEVER heleen.deweever@vito.be Boeretang 200 B-2400 Mol Belgium</p>	<ul style="list-style-type: none"> - Organic waste valorization/biorefineries - Industrial biotechnology - Membrane technology - Trace elements - Micropollutants 	
<p>Universitat Autònoma de Barcelona (UAB) Prof. Francesc GODIA CASABLANCAS francesc.godia@uab.es Departament d'Enginyeria Química E-08193 Bellaterra (Barcelona) Spain</p>	<ul style="list-style-type: none"> - Dynamics of biological systems - Bioreactor design, instrumentation and control - Long-term continuous operation - Pilot Plant operation - Axenicity operation of bioreactors 	
<p>SHERPA ENGINEERING S.A. Ir. Jean BRUNET jean.brunetm@sherpa-eng.com 12, Avenue de Verdun F- 92250 La Garenne-Colombes France</p>	<ul style="list-style-type: none"> - Model based predictive control - Life support system control & supervision - System Engineering methodology - System Modeling and Simulation - Hardware In the Loop (HIL) validation 	
<p>SCK•CEN (Belgian Center for Nuclear Energy) Dr. ir. Natalie LEYS nleys@sckcen.be Boeretang 200 B-2400 MOL Belgium</p>	<ul style="list-style-type: none"> - Space flight experiments (genetics, gravity, radiation) - Microbial (meta)genomics and transcriptomics - Edible microbial products & food genomics - Biocontamination - Bioinformatics. 	