

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		
Université Blaise Pascal (UBP) – Clermont 2 Prof C-G.DUSSAP dussap@gecbio.univ-bpclermont.fr 34 Avenue Carnot F-63300 Clermont-Ferrand France	<ul style="list-style-type: none"> <li>- Chemical and biological engineering</li> <li>- Bioreactor design</li> <li>- Modeling: physical and biological characteristics</li> <li>- Photobioreactor (Arthrospira, Rhodospirillum)</li> <li>- Nitrification</li> </ul>	
University of Guelph (UoG) Prof. Mike DIXON mdixon@ces.uoguelph.ca Guelph, Ontario N1G 2W1 Canada	<ul style="list-style-type: none"> <li>- higher plant compartment</li> <li>- atmosphere revitalization</li> <li>- food production</li> <li>- nutrient management</li> </ul>	
Ghent University (U Ghent) Sint Pietersnieuwstraat 25 Dr. Benedikt SAS benedikt.sas@ugent.be B-9000 Gent Belgium	<ul style="list-style-type: none"> <li>-waste water treatment</li> <li>-industrial microbiology &amp; biotechnology</li> <li>-plant breeding &amp; crop selection</li> <li>-food processing</li> <li>-food safety &amp; quality</li> </ul>	
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"> <li>- Computational Fluid Dynamics ( CFD)-</li> <li>- Heat Ventilation Air Conditioning ( HVAC)</li> <li>- 1D system Fluiddynamic analysis</li> <li>- Software framework and interface</li> </ul>	
University of Lausanne Prof. Suren ERKMAN suren.erkman@unil.ch Unicentre Building CH - 1015 Lausanne Switzerland	<ul style="list-style-type: none"> <li>- Industrial ecology &amp; metabolism</li> <li>- Eco-innovation</li> <li>- Artificial closed ecosystems</li> <li>- Technological trajectories</li> <li>- Green Economy: dematerialization, decarbonization &amp; circular economy</li> </ul>	
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"> <li>- valorization space technology</li> <li>- technology transfer</li> <li>- biobased</li> <li>- circular economy</li> <li>- cleantech</li> </ul>	
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"> <li>- Hydroponic cultivation and nutrient delivery systems</li> <li>- Plant environmental requirements and optimization of plant gas-exchanges</li> <li>- Plant water relations</li> <li>- Plant-derived food safety and quality</li> <li>- Food characterization: nutritional and anti-nutritional factors.</li> </ul>	
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"> <li>- Biochemistry/Biotechnology</li> <li>- Microbial communities</li> <li>- Microbial metabolism</li> <li>- Photosynthetic bacteria</li> <li>- Functional and structural proteomics</li> </ul>	

<p>Vlaamse Instelling voor Technologisch Onderzoek N.V. (VITO)  Dr. ir. Heleen DE WEVER  heleen.deweaver@vito.be  Boeretang 200  B-2400 Mol  Belgium</p>	<ul style="list-style-type: none"> <li>- Organic waste valorization/biorefineries</li> <li>- Industrial biotechnology</li> <li>- Membrane technology</li> <li>- Trace elements</li> <li>- Micropollutants</li> </ul>	
<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"> <li>- Dynamics of biological systems</li> <li>- Bioreactor design, instrumentation and control</li> <li>- Long-term continuous operation</li> <li>- Pilot Plant operation</li> <li>- Axenicity operation of bioreactors</li> </ul>	
<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"> <li>- Model based predictive control</li> <li>- Life support system control &amp; supervision</li> <li>- System Engineering methodology</li> <li>- System Modeling and Simulation</li> <li>- Hardware In the Loop (HIL) validation</li> </ul>	
<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"> <li>- Space flight experiments (genetics, gravity, radiation)</li> <li>- Microbial (meta)genomics and transcriptomics</li> <li>- Edible microbial products &amp; food genomics</li> <li>- Biocontamination</li> <li>- Bioinformatics.</li> </ul>	