

<b>Monday 1 May</b>			
15:00-17:00	Registration		
17:00	Welcome in Wageningen by <b>Caroline Plugge</b>		
17:15	<b>K01 - Alfons Stams</b> - Complex communities		
18:30	<b>Reception and dinner at venue</b>		
<b>Tuesday 2 May (morning)</b>			
9:00	Introduction to SIAM and ICBM-3 by <b>Mike Jetten</b>		
9:15	<b>K02 - Marta Carballa</b> - Anaerobic reactors: Waste to gas		
9:45	<b>K03 - Paul Wilmes</b> - Methane-omics		
10:15	<b>Coffee break</b>		
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10:45-12:05	<b>2 parallel sessions with short orals</b>		
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12:05-13:30	<b>Lunch</b>		

<b>Tuesday 2 May (afternoon)</b>		
13:30	<b>K04 - Rob Gunsalus</b> - Biogas from Nature	
	<b>Bosrandzaal: Session C Complex communities (1)</b> <i>Chairs: A. Stams, H. Sträuber</i>	<b>Boomgaardzaal: Session D Biogas from nature</b> <i>Chairs: R. Gunsalus, P. Timmers</i>
14:00-15:20	<b>2 parallel sessions with short orals</b>	
14:00-14:20	<b>O09-H. Sträuber:</b> Fatty acid production from crop silage in a semi-continuous process: Substrate quality determines product formation and involvement of different chain-elongating bacteria ( <i>UFZ, Leipzig, Germany</i> )	<b>O13-M. Nicolausz:</b> Effect of inoculum microbiome on the start-up of biogas processes ( <i>UFZ, Leipzig, Germany</i> )
14:20-14:40	<b>O10-G. Braz:</b> Diversity and time response of replicated anaerobic digestion microbiomes during organic load rate shock ( <i>USC, Santiago De Compostela, Spain</i> )	<b>O14-P. Timmers:</b> Methane oxidation by methanogens: trace methane oxidation ( <i>WUR, Wageningen, The Netherlands</i> )
14:40-15:00	<b>O11-F. Bonk:</b> Active management of Methanosarcinaceae and Methanosaetaceae abundancies in a lab-scale anaerobic digester by periodic, controlled overloads ( <i>UFZ, Leipzig, Germany</i> )	<b>O15-V. Dollhofer:</b> Effects of mycotoxins and molded maize silage on biogas production ( <i>LfL, Freising, Germany</i> )
15:00-15:20	<b>O12-J. Alves:</b> Pressurized syngas bioconversion: physiological and microbial characterization ( <i>University of Minho, Braga, Portugal</i> )	<b>O16-E. Ozbayram:</b> Microbial Communities in the Midgut and Hindgut of Sun Beetle Larvae ( <i>Pachnoda marginata</i> ): Bioaugmentation Potential for Anaerobic Reactors Digesting Lignocellulosic Biomass ( <i>Istanbul Technical University, Turkey</i> )
15:20-16:15	<b>Coffee break</b>	
	<b>Poster session in Arboretumzaal</b>	

<b>Tuesday 2 May (afternoon)</b>		
	<b>Bosrandzaal: Session E Complex communities (2)</b> <i>Chairs: J. Alves, A.J. Cavaleiro</i>	<b>Boomgaardzaal: Session F Anaerobic reactors: Waste to gas (2)</b> <i>Chairs: MC. Gagliano, D. Sudmalis</i>
16:15-17:55	<b>2 parallel sessions with short orals</b>	
16:15-16:35	<b>O17-R. Ziels:</b> DNA-stable isotope probing based metagenomics identifies key long-chain fatty acid degrading populations in parallel anaerobic codigesters with different oleate feeding strategies ( <i>University of Washington, USA</i> )	<b>O22-P. Dessi:</b> Hydrogen production, and structure of the active microbial community, in mesophilic, thermophilic and hyperthermophilic dark fermentation is differentially affected by various pre-treatments ( <i>Tampere University of Technology, Finland</i> )
16:35-16:55	<b>O18-C. Welte:</b> Linking the C, N and S cycle: microbial competition and cooperation in a laboratory-scale bioreactor model ( <i>Radboud University, Nijmegen, The Netherlands</i> )	<b>O23-M. Nielsen:</b> Temperature and organic loading rate are important parameters to improve the biogas-yield ( <i>Aarhus University, Denmark</i> )
16:55-17:15	<b>O19-C. Cassarini:</b> Anaerobic oxidation of methane coupled to the reduction of different sulfur compounds in a bioreactor ( <i>UNESCO-IHE, Delft, The Netherlands</i> )	<b>O24-Y. Zheng:</b> Release, degradation and detection of phenylpropionate during anaerobic degradation of rice straw ( <i>WUR, Wageningen, The Netherlands</i> )
17:15-17:35	<b>O20-A. Salvador:</b> Addition of co-substrates stimulates hexadecene conversion to methane by an enriched microbial consortium ( <i>University of Minho, Braga, Portugal</i> )	<b>O25-B. Holohan:</b> High-rate anaerobic treatment of LCFA-containing wastewater: continuous start up through microbial community screening ( <i>NUI Galway, Ireland</i> )
17:35-17:55	<b>O21-C. Braguglia:</b> Mesophilic methane production from food waste: process stability and microbiome dynamics in semi-continuous anaerobic reactors ( <i>Water Research Institute, CNR, Italy</i> )	<b>O26-L. Agneessens:</b> Microbial Conditioning and Reactor Performance during In-Situ Biogas Upgrading via Pulse H <sub>2</sub> -Injections ( <i>Aarhus University, Denmark</i> )
18:45	<b>Dinner</b>	

<b>Wednesday 3 May (morning)</b>		
9:00	<b>K05 - Anna Schnürer</b> - Biogas from Extreme environments	
	<b>Bosrandzaal: Session G Methane-omics (2)</b> <i>Chairs: J. de Vrieze, B. Mueller</i>	<b>Boomgaardzaal: Session H Biogas from extreme environments</b> <i>Chairs: A. Schnürer, M. Oosterkamp</i>
9:30-10:50	<b>2 parallel sessions with short orals</b>	
9:30-9:50	<b>O27-J. de Vrieze:</b> The active microbial community more accurately reflects the anaerobic digestion process: 16S rRNA (gene) sequencing as a predictive tool ( <i>Ghent University, Belgium</i> )	<b>O31-O. Chapleur:</b> Towards the development of microbial indicators of anaerobic digestion inhibition ( <i>Irstea, Antony, France</i> )
9:50-10:10	<b>O28-S. Campanaro:</b> Do high throughput sequencing techniques provide the same phylogenetic result in anaerobic digestion system? ( <i>University of Padova, Italy</i> )	<b>O32-M. Oosterkamp:</b> Microbial community dynamics of an anaerobic membrane bioreactor treating phenolic wastewater with high salinity under mesophilic and thermophilic temperature conditions ( <i>TU Delft, The Netherlands</i> )
10:10-10:30	<b>O29-C. Samuel:</b> Using NGS to assess the impact of co-digestion on microbial community dynamics in Anaerobic Digestion ( <i>Newcastle University, UK</i> )	<b>O33-S. Parshina:</b> Novel psychrotolerant methanogenic archaea and bacterium from anthropogenic environments ( <i>Winograsky Institute of Microbiology, Moscow, Russian Federation</i> )
10:30-10:50	<b>O30-R. Heyer:</b> Characterization of biogas processes regarding the physiological function of different microbial groups and impact of process parameters on community composition ( <i>Otto-von-Guericke University, Magdeburg, Germany</i> )	<b>O34-D. Sudmalis:</b> High rate anaerobic wastewater treatment at saline conditions: is it possible? ( <i>WUR, Wageningen, The Netherlands</i> )
10:50-11:30	<b>Coffee break</b>	

<b>Wednesday 3 May (morning)</b>		
	<b>Bosrandzaal: Session I Complex communities (3)</b> <i>Chairs: S. Kleinsteuber, K. Kiragosyan</i>	<b>Boomgaardzaal: Session J New trends in biogas production</b> <i>Chairs: K. Rabaey, M. Farooq</i>
11:30-12:50	<b>2 parallel sessions with short orals</b>	
11:30-11:50	<b>O35-V. Nolla Ardevol:</b> Use of 16S rRNA amplicon sequencing for the identification of the core bacterial populations of the MELiSSA thermophilic acidogenic reactor (C1 reactor) ( <i>KU Leuven, Belgium</i> )	<b>O39-M. Lebuhn:</b> MikMeth processes for microbial methanation ( <i>LfL, Freising, Germany</i> )
11:50-12:10	<b>O36-X. Goux:</b> A year monitoring of 22 anaerobic reactors argues in favour of a core microbiome in anaerobic digestion ( <i>Luxembourg Institute of Science and Technology (ERIN), Belvaux, Luxembourg</i> )	<b>O40-G. Martins:</b> Effect of carbon nanotubes on methane production in pure cultures of methanogens and in a syntrophic co-culture ( <i>University of Minho, Braga, Portugal</i> )
12:10-12:30	<b>O37-N. Fernandez-Gonzalez:</b> Impact of air side-stream ammonia stripping on thermophilic anaerobic microbiome ( <i>USC, Santiago De Compostela, Spain</i> )	<b>O41-L. Treu:</b> Microbial dynamics in mesophilic and thermophilic biogas upgrading systems investigated at genomic level ( <i>DTU, Lyngby, Denmark</i> )
12:30-12:50	<b>O38-A. Cavaleiro:</b> Exploring syntrophic relationships in the anaerobic biodegradation of lipids and long chain fatty acids ( <i>University of Minho, Braga, Portugal</i> )	<b>O42-M. Diender:</b> Methane production via the syngas route using microbial catalysts ( <i>WUR, Wageningen, The Netherlands</i> )
12:50-14:15	<b>Poster session in Arboretumzaal</b>	
	<b>Lunch</b>	

<b>Wednesday 3 May (afternoon)</b>		
14:15	<b>K06 - Korneel Rabaey</b> - New trends in Biogas production	
	<b>Bosrandzaal: Session K</b> <b>Complex communities (4)</b> <i>Chairs: D. Sousa, M. Diender</i>	<b>Boomgaardzaal: Session L</b> <b>Novel Anaerobes</b> <i>Chairs: Y. Kamagata, C. Plugge</i>
14:45-16:05	<b>2 parallel sessions with short orals</b>	
14:45-15:05	<b>O43-A. Arantes:</b> Microbial diversity of anaerobic syngas-converting enrichments from a multi-orifice baffled bioreactor (MOBB) ( <i>University of Minho, Braga, Portugal</i> )	<b>O47-S. Berger:</b> Biochemical mechanism of nitrate-dependent methane oxidation ( <i>Radboud University, Nijmegen, The Netherlands</i> )
15:05-15:25	<b>O44-S. Theuerl:</b> Members of the WWE1 candidate division and the phylum Bacteroidetes as indicators to forecast a subsequent process disturbance ( <i>ATB, Potsdam, Germany</i> )	<b>O48-L. Hagen:</b> Combined metaomics approaches reveal novel syntrophic populations in anaerobic digesters ( <i>NMBU, Aas, Norway</i> )
15:25-15:45	<b>O45-C. Nzeteu:</b> Microbial community dynamics during anaerobic hydrolysis and acidification of food waste ( <i>NUI Galway, Ireland</i> )	<b>O49-P. Candry:</b> Kinetic model of hexanoic acid production by <i>Clostridium kluyveri</i> shows product toxicity even at neutral pH ( <i>Ghent University (CMET), Belgium</i> )
15:45-16:05	<b>O46-L. Lemoine:</b> Profiling anaerobic reactor communities via 16S rRNA gene sequencing: diversity and similarity in functionally identical bioreactors ( <i>KU Leuven, Belgium</i> )	<b>O50-A. Westerholm:</b> Enrichment of mesophilic and thermophilic acetate-degrading communities at high ammonia reveals novel syntrophic acetate oxidizing bacteria ( <i>Swedish University of Agricultural Sciences, Uppsala, Sweden</i> )
16:05	<b>K07 - Yoichi Kamagata</b> - Novel anaerobes	
16:40-17:00	<b>Closure and Poster award</b>	