



## EMeRGe Topical Workshop TEAM-2:

Transport and transformation of pollutants from European and Asian Major population centres- Part 2



### Agenda

**Tuesday 14.11.2017**

**8:45 Registration**

09:15 - 9:30	<b>Welcome</b> General objective of TEAM-2 workshop	John P. Burrows (IUP- U. Bremen)
09:30 - 9:45	TEAM-2 meeting information and agenda	Lola Andrés Hernández (IUP- U. Bremen)
<b>First session: General features and preliminary data of EMeRGe in Europe</b> Chair: R. Koppmann		
<b>Time</b>	<b>Title</b>	<b>Speaker</b>
09:45 - 10:15	Overview of EMeRGe in Europe	Lola Andrés Hernández (IUP- U.Bremen)
10:15 -10:45	General meteorological features during EMeRGe in Europe	Heidi Huntrieser (IPA-DLR)
10:45-11:00	CAMS forecasts for EMeRGe-EU	Anne Blechschmidt (IUP-U.Bremen)

**11:00 - 11:20 Coffee break**



<b>HALO Measurements within EMeRGe in Europe</b>		
<b>Time</b>	<b>Title</b>	<b>Speaker</b>
11:20 - 11:35	Nitrogen Oxides Observations during EMeRGe in Europe	Helmut Ziereis (IPA-DLR)
11:35 – 12:00	Preliminary results of CH <sub>4</sub> , CO <sub>2</sub> , SO <sub>2</sub> and aerosol measurements during EMeRGe -EU	Theresa Klausner/ Lisa Eirenschmalz/ Daniel Sauer (IPA-DLR)
12:00 - 12:20	Radical measurements during EMeRGe in Europe	Midhun George (IUP-U. Bremen)
12:20-12:45	Measurement of VOCs during EMeRGe	Eric Förster (IMK-KIT)
12:45-13:00	Preliminary data overview of MIRAHA during EMeRGe	Marc Krebsbach (U. Wuppertal)

**13:00 - 13:15      Group photo**

**13:15 - 14:30      Lunch break**

Chair: H. Ziereis

<b>Time</b>	<b>Title</b>	<b>Speaker</b>
14:30 - 14:50	Quicklooks of the EMeRGe EU C-ToF-AMS data	Katharina Kaiser (U. Mainz)
14:50 – 15:10	First Results of the Black Carbon and Cloud Condensation Nuclei Measurements during EMeRGe-EU	Bruna Holanda (MPI, Mainz)
15:10 - 15:30	Mini-DOAS measurements during EmeRGe	Benjamin Schreiner (IUP-U. Heidelberg)
15:30 - 15:45	First results from HAIDI	Katja Bigge (IUP-U. Heidelberg)

**15:45 - 16:00      Coffee break**

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<b>EMeRGe international in Europe</b>		
		Chair: H. Ziereis
<b>Time</b>	<b>Title</b>	<b>Speaker</b>
16:00 – 16:30	Data from the FAAM Aircraft and Discussion of Preliminary Analysis	Will Drysdale (U. York, UK)
16:30 - 17:00	Ground-based measurements: overview and first results	Jörg Schmidt (U. Leipzig)
17:00-17:15	Italian airborne measurements SKY Arrow	Lola Andrés Hernández (IUP-U.Bremen)
17:15-17:45	Status blind intercomparison, list of potential scientific publications and general remarks	J.P. Burrows (IUP-U. Bremen)

**Free evening: Information at the registration desk**

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**Wednesday 15.11.2017**

<b>Second session: Flight tracks and target cities in EMeRGe in Asia</b>		
Chair: H. Huntrieser		
<b>Time</b>	<b>Title</b>	<b>Speaker</b>
09:00 - 09:30	Overview EMeRGe in Asia	Lola Andrés Hernández (IUP-U. Bremen)
09:30 - 09:50	Aerosol measurements during EMeRGe: Lessons from EMeRGe-EU, objectives and strategies for EMeRGe-Asia	Johannes Schneider (MPI, Mainz)
9:50-10:00	Nitrogen oxides measurements during EMeRGe-Asia – What do we know, what do we expect	Helmut Ziereis (IPA-DLR)
10:00 - 10:30	Current Status and Timeline EMeRGe-Asia	Lisa Kaser (FX-DLR)

**10:30 - 10:45      Coffee break**

<b>Time</b>	<b>Title</b>	<b>Speaker</b>
10:45 - 11:15	Flight Operation EMeRGe Asia	Frank Probst (FX-DLR)
11:15 – 12:15	Proposed transfer flight and general discussion	J.P. Burrows (chair) (IUP-U. Bremen)

**12:20 - 14:30      Lunch break**

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**Third session-Part I: EMeRGe International: complementary activities during and around the HALO EMeRGe campaign in Asia**

Chair: J. Schneider

<b>Time</b>	<b>Title</b>	<b>Speaker</b>
14:30 - 14:50	Overview of local activities during the EMeRGe-Asia in Taiwan	Charles C.-K. Chou (RCEC, Taiwan)
14:50 - 15:10	Air quality modelling and forecast over East Asia	Chuan Yao Lin (RCEC, Taiwan)
15:10-15:30	Potential science targets and source areas to explore around Japan during EMeRGe-Asia	Yugo Kanaya (JAMSTEC, Japan)
15:30-15:45	Long-range transport of black carbon and carbon monoxide from East Asia to the Arctic	Ikeda Kohei (NIES, Japan)

**15:45-16:00**            **Coffee break**

<b>Time</b>	<b>Title</b>	<b>Speaker</b>
16:00 – 16:30	General discussion	J.P. Burrows (IUP-U. Bremen)

**19:00**                    **Workshop dinner** (*Restaurant alto, Bredenstraße 2, Bremen*)



**Thursday 16.11.2017**

<b>Third session_ Part II: EMeRGe International: complementary activities during and around the HALO EMeRGe campaign in Asia</b>		
		Chair M. Krebsbach
<b>Time</b>	<b>Title</b>	<b>Speaker</b>
09:00 - 9:30	Measurement and modelling of air pollution over Yangzte River Delta Region of China	Tjan Wang (Nanjing University, China)
09:30 - 10:15	Current projects and relevant activities to EMeRGe	Xuguan Chi (Nanjing University, China)

**10:15 - 10:45      Coffee break**

<b>Time</b>	<b>Title</b>	<b>Speaker</b>
10:45 - 11:15	EMeRGe-Asia: PACE (Philippine Atmosphere Characterization Experiment)	Voltaire Velazco (U. Wollongong, Australia/ OML, Philippines)
11:15 - 11:45	Source and Receptor Sites in Southeast Asia: Northern Thailand, Northern Philippines, Metropolitan Manila and Bangkok	Ronald Macatangay (NARIT, Thailand)
11:45 -12:30	Planning and coordination of activities for EMeRGe in Asia/ Contribution from South Korea (slides provided by J.Kim, Yonsei Univ.)	General discussion Chair: J.P. Burrows
12:30 - 12:45	Sea file and data base	Vladyslav Nenakhov (IUP-U. Bremen)
12:45 - 13:00	Logistical information and deadlines	Wilke Thomssen (IUP-U. Bremen)

**13:00 – 14:15      Lunch break**

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<b>Forth session: Integration of observational and modelling capabilities</b>		
		Chair A. Hilboll
<b>Time</b>	<b>Title</b>	<b>Speaker</b>
14:15 - 14:30	Update of AOD retrieved from Sentinel-III /OLCI: Perspective for EMeRGe in Asia	Marco Vountas (IUP-U. Bremen)
14:30 -14:45	Modelling aspects during EMeRGe	Mihalis Vrekoussis (U. Bremen)
14:45- 15:00	Concluding remarks	John P. Burrows (IUP- U. Bremen)

**15:30 - 16:30 Meeting EMeRGe International Scientific Steering Committee**

**End of the workshop**

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