



## **EMeRGe Topical Workshop TEAM-3:**

**Transport and transformation of pollutants from European and Asian Major population centres- Part 3**



### **Agenda**

**Tuesday 12.02.2019**

**8:30 Registration**

09:00 - 09:10	<b>Welcome to the participants</b>	John P. Burrows (IUP- U. Bremen)
09:10 - 09:15	<b>TEAM-3 meeting information and agenda</b>	Lola Andrés Hernández (IUP- U. Bremen)

<b>Time</b>	<b>Title</b>	<b>Speaker</b>
09:15 - 09:40	EMeRGe overview: what has been achieved yet and what are we aiming at?	Lola Andrés H. (IUP-U.Bremen)
09:45 -10:00	General meteorological features in Asia	Heidi Huntrieser (IPA-DLR)
10:05 -10:30	Impact of Taiwan's steep orography on air pollution transport	Pao K. Wang (RCEC, Taiwan)

**10:30 - 11:00 h Coffee break**

<b>Time</b>	<b>Title</b>	<b>Speaker</b>
11:00 - 11:15	Evaluation of long-range transport air pollutants to Taiwan by using WRF-Chem model during EMeRGe campaigns in Asia	Chuan Yao Lin (RCEC, Taiwan)
11:20 - 11:35	Mini-DOAS measurements during EmeRGe in Asia	Benjamin Schreiner (IUP-U.Heidelberg)
11:40 - 11:55	Current state of the HAIDI data evaluation	Katja Bigge (IUP-U.Heidelberg)
12:00 - 12:15	Nitrogen oxides measurements during EMeRGe – European versus Asian Observations	Helmut Ziereis (IPA-DLR)
12:20 - 12:35	PAN measurements and reactive nitrogen oxide tracer-tracer ratios during EMeRGe	Greta Stratmann (IPA-DLR)
12:40- 12:55	SO <sub>2</sub> measurements during EMeRGe - Asia	Lisa Eirenschmalz (IPA-DLR)

**13:00 - 14:15 h      Lunch**

<b>Time</b>	<b>Title</b>	<b>Speaker</b>
14:15 - 14:30	VOC measurements during EMeRGe-Asia	Eric Förster (IMK-KIT)
14:35 - 14:50	Peroxy radicals during EMeRGe in Europe and Asia	Midhun George (IUP-U.Bremen)
14:55 - 15:10	Status update on CH <sub>4</sub> and CO <sub>2</sub> in-situ observations during EMeRGe Europe and Asia	Theresa Klausner (IPA-DLR)
15:15 - 15:30	Status Emerge Tracer Experiments	Hans Schlager (IPA-DLR)
15:30 - 16:15	Rollout papers on trace gases	General discussion

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

**Wednesday 13.02.2019**

<b>Time</b>	<b>Title</b>	<b>Speaker</b>
09:00 - 09:15	CAMS atmospheric chemistry forecasts during EMeRGe in Asia	Anne- M. Blechschmidt (IUP-U.Bremen)
09:20 - 09:35	Vertical Profile of Long Range Transport Aerosols Investigated by a Lidar Network in Taiwan during EMeRGe-Asia	Wen Nai Chen (RCEC, Taiwan)
09:40 - 09:55	Composition and processing of aerosol particles in European and Asian megacity plumes	Katharina Kaiser (U. Mainz)
10:00 - 10:10	Overview Aerosol measurements AMETYST	Daniel Sauer (IPA-DLR)
10:15 - 10:35	Black Carbon (BC) and Cloud Condensation Nuclei (CCN) characterisation of different pollution states during EMeRGe-EU and Asia	Bruna Holanda (MPI-Mainz)

**10:40 - 11:00 h    Coffee break**

<b>Time</b>	<b>Title</b>	<b>Speaker</b>
11:00 - 11:20	Ground-based observation of aerosols at Cape Fuguei during EMeRGe-Asia	Charles C.-K. Chou (RCEC, Taiwan)
11:25 - 11:40	Japanese activities on observations and model simulations during EMeRGe-Asia	Yugo Kanaya (JAMSTEC, Japan)
11:45 - 12:00	Potential Air Pollution Source Locations during the HALO-EMeRGe Asia Southeast Asian Transfer and Manila Mission Flights	Ronald Macatangay (ARU-NARIT, Thailand)
12:05 - 12:20	Air pollution transport over the Guinean coastal region: Insights from the DACCIWA aircraft campaign and links with EMeRGe	Adrien Deroubaix (IUP-U.Bremen)
12:25 - 12:50	Roll out papers on aerosols	General discussion

**12:50 - 13:00 h    Group photo****13:00 - 14:30 h    Lunch**

<b>Time</b>	<b>Title</b>	<b>Speaker</b>
14:30 - 15:00	HALO-FAAM Comparison	Ulrich Schumann (IPA-DLR)

**15:15 - 16:30 h    Meeting Steering Committee****19:00 h            Workshop dinner**

**Thursday 14.02.2019**

<b>Time</b>	<b>Title</b>	<b>Speaker</b>
09:00 - 09:45	Discussion HALO-FAAM intercomparison	Ulrich Schumann (IPA-DLR) (chair)
09:45 – 09:55	On meteorology and identification of pollution sources during EMeRGe-EU	Anne- M. Blechschmidt (IUP-U.Bremen)
10:00 – 10:15	Modelling for EMeRGe in Europe	Anna B. Kalisz Hedegaard (IPA-DLR/U.Bremen)

**10:20 - 10:50 h    Coffee break**

<b>Time</b>	<b>Title</b>	<b>Speaker</b>
10:50 - 11:10	Vertically resolved aerosol properties as derived over Rome by in situ, ground based and airborne measurements in coincidence to the EMeRGe-EU HALO flight of 11-7-2017	Francesca Barnaba (ISAC-CNR, Italy)
11:15 - 11:35	Columnar aerosol and gas properties over Rome during the two EMeRGe-EU HALO flights	Monica Campanelli (ISAC-CNR, Italy)
11:40- 11:55	Ground-based measurements during EMeRGe in Europe	Jörg Schmidt (U. Leipzig-HALO-SPP)

**12:00 – 13:30 h    Lunch**

<b>Time</b>	<b>Title</b>	<b>Speaker</b>
13:30 - 15:45	Proposals for cooperation/joint publications (1-2 slides short presentations)	General discussion
15:45 - 16:00	Concluding remarks	John P. Burrows (IUP- U.Bremen)

**16:00                    End of the workshop**