



## MARINE IMPACT ON AEROSOL PHYSICAL PROPERTIES

Sopot, 27 – 29 April 2009

### Agenda

#### 27 April

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|---------------|---|
| 12:30         | <b>Welcome</b><br><i>Director of IOPAS</i>  |
| 12:35         | <b>Short introduction</b><br><i>Tymon Zielinski</i>   |
| 12:40 – 12:45 | <b>Andøya Rocket Range – short overview</b><br><i>Michael Gausa/ Sandra Blindheim</i>   |
| 12:45 - 13:10 | <b>The new starphotometer SPSTAR04 for the observation of the aerosol in the night</b><br><i>K.- H. Schulz, Dr. Schulz &amp; Partner GmbH</i>   |
| 13:10 – 13:30 | <b>Measurements of PM over an industrial site in an island of Evia using synergy of a scanning lidar and insitu sensors during TAMEX</b><br><i>George Georgouassis, Alexi Papayannis, Raymetrics SA/ NTUA, Greece</i> |
| 13:30 – 14:10 | <b>Optical Properties of Aerosol from different instruments during a campaign in a costal zone</b><br><i>Anca Nemuc, Camelia Talianu, Livio Belegante, Emil Carstea, Jeni Vasilescu, INOE, Romania</i>                |
| 14:10 – 14:30 | <b>COFFEE</b>   |
| 14:30 – 15:00 | <b>Investigation of maritime aerosol during MACRON campaign</b><br><i>Karolina Jagodnicka, University of Warsaw, et al.</i>   |
| 15:00 – 15:20 | <b>Aerosol properties variation from integrated measurements in a rural site in South-Italy: the influence of mixed air masses</b><br><i>M. Calvello, F. Esposito, G. Pavese, DIFA; CNR-IMAA, Italy</i>               |

<b>15:20 –</b>	<b>Discussions on MACRON/COAST08-09/Scientific Network</b>
<b>18:00 -</b>	<b>DINNER courtesy of TSI</b>

## **28 April**

<b>09:00 – 09:30</b>	<b>Aerosol and climate</b> <i>Jacek Piskozub, IOPAS</i>
<b>09:30 – 09:50</b>	<b>Aerosol optical depth measured at different coastal sites and its connection with macrometeorological features</b> <i>Agnieszka Ponczkowska, IOPAS et al.</i>
<b>09:50 – 10:10</b>	<b>Origin of the aerosol particles in the marine boundary layer over south-eastern Baltic Sea</b> <i>V. Ulevicius, Institute of Physics, Lithuania et al.</i>
<b>10:10 - 10:30</b>	<b>The variability of the aerosols optical properties nearby the Baltic Sea area</b> <i>Agnieszka Zdun, Anna Rozwadowska, IOPAS</i>
<b>10:30 – 11:00</b>	<b>COFFEE</b>
<b>11:00 – 11:20</b>	<b>Measurement of Aerosol Optical Thickness over the Atlantic Ocean and in West Antarctica, 2006-2007</b> <i>Michał Posyniak, University of Warsaw</i>
<b>11:20 – 11:40</b>	<b>Airborne lidar observations offshore the westcoast of Svalbard interpreted by EULAG model as signatures of a seasalt, dust and ice particles</b> <i>Iwona Stachlewska, University of Warsaw, Poland</i>
<b>11:40 – 12:00</b>	<b>Impact of air mass history on aerosol optical thickness at Hornsund station, Spitsbergen</b> <i>A. Rozwadowska, IOPAS, et al.</i>
<b>12:00 – 12:20</b>	<b>Studies of aerosol optical properties over the European Arctic seas</b> <i>Tymon Zielinski, IOPAS/University of Szczecin, et al.</i>
<b>12:20 – 14:00</b>	<b>LUNCH</b>
<b>14:00 – 14:20</b>	<b>Study of marine and continental aerosol properties and radiative forcing during MACRON campaign in 2007.</b> <i>Krzysztof Markowicz, University of Warsaw, Poland</i>

<b>14:20 – 14:40</b>	<b>Aerosol and water vapour profiling with multiwavelength lidar and sunphotometer in Hornsund</b> <i>Aleksander Pietruszuk, Grzegorz Karasinski Institute of Geophysics PAS, Poland</i>
<b>14:40 – 15:00</b>	<b>The new Koldewey Aerosol Raman Lidar (KARL) at Ny Ålesund: current lidar measurements and an outlook into the future</b> <i>Christoph Ritter, AWI, Germany, et al.</i>
<b>15:00 – 15:20</b>	<b>Aerosol measurements over the coastal area of the southern Baltic Sea</b> <i>Bringfried Pflug, DLR, Germany, Tymon Zielinski, IOPAS</i>
<b>15:20 – 15:40</b>	<b>The code MAEXPRO for calculation of aerosol extinction in the marine environments</b> <i>G.A. Kaloshin, S.A. Shishkin, Zuev Institute of Atmospheric Optics, Tomsk, Russia</i>
<b>15:40 – 16:00</b>	<b>Influence of marine aerosol on transparency of the sea and coastal atmosphere surface layer</b> <i>G. A. Kaloshin, Zuev Institute of Atmospheric Optics, Tomsk, Russia</i>
<b>16:00 – 16:30</b>	<b>Summary of the day</b>
<b>29 April</b>	
<b>09:00 – 12:00</b>	<b>Discussions on a grant proposal issues</b>
<b>12:00</b>	<b>The end of the workshop</b>