

**Chemical and Mathematical Aspects of Environmental (atmosphere) Monitoring**  
(Final Program)

**Sunday, September 11**

<b>Time</b>	<b>Activity</b>
<b>09.00-09.30</b>	Registration
<b>09.30-10.00</b>	Opening speeches
<b>10.00-11.00</b>	Andreas Wahner <ul style="list-style-type: none"> <li>• Atmospheric chemistry from gas phase to aerosol (Part 1)</li> </ul>
<b>11.00-12.00</b>	Elizabeth Dinsdale <ul style="list-style-type: none"> <li>• Using microbial metabolism to investigate environmental conditions</li> </ul>
<b>12.00-12.30</b>	Coffee-break
<b>12.30-13.30</b>	Ramaz Botchorishvili <ul style="list-style-type: none"> <li>• Numerical methods for forward and inverse modeling of atmosphere (Part 1)</li> </ul>
<b>13.30-14.30</b>	Lunch
<b>14.30-15.30</b>	Andreas Hofzumahaus <ul style="list-style-type: none"> <li>• Radicals and photochemistry in the atmosphere</li> </ul>
<b>15.30-16.30</b>	Hendrik Elbern <ul style="list-style-type: none"> <li>• Regional atmospheric forecast model development using inverse modelling and data assimilation (Part 1)</li> </ul>
<b>16.30-17.00</b>	Coffee-break
<b>17.00-18.00</b>	Bezhan Chankvetadze <ul style="list-style-type: none"> <li>• Miniaturized instrumental methods for chemical analysis of atmosphere</li> </ul>

**Monday, September 12**

<b>Time</b>	<b>Activity</b>
<b>09.00-11.00</b>	Astrid Kiendler-Scharr <ul style="list-style-type: none"> <li>• Formation and composition of Aerosol in the atmosphere</li> </ul>
<b>11.00-11.30</b>	Coffee-break
<b>11.30-13.00</b>	Andreas Wahner <ul style="list-style-type: none"> <li>• Atmospheric chemistry from gas phase to aerosol (Part 2)</li> </ul>
<b>13.00-14.00</b>	Lunch
<b>14.00-15.00</b>	Ramaz Botchorishvili <ul style="list-style-type: none"> <li>• Numerical methods for forward and inverse modeling of atmosphere (Part 2)</li> </ul>
<b>15.00 -16.00</b>	Hendrik Elbern

	<ul style="list-style-type: none"> <li>Regional atmospheric forecast model development using inverse modelling and data assimilation (Part 2)</li> </ul>
<b>16:00-16:30</b>	Coffee-break
<b>16:30-18:00</b>	Seminar

### Tuesday, September 13

<b>Time</b>	<b>Activity</b>
<b>09:00-10:30</b>	Lamzira Lagidze <ul style="list-style-type: none"> <li>Ecology of atmosphere</li> </ul>
<b>10:30-12:00</b>	George Gaprindashvili <ul style="list-style-type: none"> <li>Geographic information system and environmental protection</li> </ul>
<b>12:00-12:30</b>	Coffee-break
<b>12:30-13:30</b>	Ketevan Kasradze <ul style="list-style-type: none"> <li>Regional air quality modeling and assimilation with EURAD-IM for the EU Copernicus service.</li> </ul>
<b>13:30-14:30</b>	Lunch
<b>14:30-16:30</b>	Seminar
<b>16:30-17:00</b>	Coffee-break
<b>17:00-18:00</b>	Seminar

### Wednesday, September 14

<b>Time</b>	<b>Activity</b>
<b>09:00-10:30</b>	Robert Wegener <ul style="list-style-type: none"> <li>Measurement of atmospheric trace organic species by gas chromatography and applying basic atmospheric reaction schemes to observations</li> </ul>
<b>10:30-12:00</b>	Giorgi Jibuti <ul style="list-style-type: none"> <li>Application of mass-spectrometric methods in atmospheric Analysis</li> </ul>
<b>12:00-12:30</b>	Coffee-break
<b>12:30-13:30</b>	Tamar Janelidze <ul style="list-style-type: none"> <li>Modeling winds and their corrections by observations</li> </ul>
<b>13:30-14:30</b>	Lunch
<b>14:30-16:30</b>	Seminar
<b>16:30-17:00</b>	Coffee-break
<b>17:00-18:00</b>	Seminar
<b>19:00-21:00</b>	School Banquet

**Thursday, September 15**

<b>Time</b>	<b>Activity</b>
<b>09:00-10:30</b>	William Tong <ul style="list-style-type: none"><li>• Sensitive Portable Microfluidics and Laser-Based Detectors for Environmental Monitoring</li></ul>
<b>10:30-11:00</b>	Coffee-break
<b>11:00-12:30</b>	Bezhan Chankvetadze <ul style="list-style-type: none"><li>• My personal entrepreneurial adventure: A long way of development, commercialization and application of a new kind of polysaccharide-based chiral selectors for liquid-phase separation of enantiomers</li></ul>
<b>12:30-13:30</b>	Lunch
<b>13:30-15:30</b>	Seminar
<b>15:30-16:30</b>	Avtandil Turdziladze <ul style="list-style-type: none"><li>• Organic nitrates in secondary organic aerosols</li></ul>
<b>16:30-17:00</b>	Presentations by young scientists
<b>17:00-17:30</b>	Coffee-break
<b>17:30-18:00</b>	Summarizing the school, discussion, future plans and closing