



## AGENDA

### International Workshop on Monitoring Chemical Pollution in Antarctica

#### Tackling future Challenges together

3rd-4th October 2024

Siena, Italy

Meeting link: [https://bcaa.unige.it/en/POLEMP\\_workshop](https://bcaa.unige.it/en/POLEMP_workshop)

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| Day 1: 03.10.2024  |  |  |
| 10:00 –<br>13:30   | Registration   |  |
| 12:00 –<br>12:45   | Lunch  |  |
| 12:45 –<br>12:55   | Welcome and Introduction   | Claudia Röhl<br>German Environment<br>Agency (UBA),<br>Germany |
| 12:55 –<br>13:15   | Future trends in polar research, the EU-Polarnet<br>prioritization process                                       | Carlo Barbante<br>University Ca'Foscari<br>Venice, Italy       |
| Session 1: Environmental Fate and Transport of POPs and CECs in Antarctica<br>Chair: Simonetta Corsolini, Nicoletta Ademollo |  |  |
| 13:15 –<br>13:30   | Challenges for environmental research and monitoring of<br>the contaminants of emerging concern in the Antarctic | Zhiyong Xie<br>Hereon, Germany                                 |
| 13:30 –<br>13:45   | Amplification and sinks of organic pollutants in<br>Antarctica and the Southern Ocean                            | Jordi Dachs<br>IDAEA-CSIC, Spain                               |
| 13:45 –<br>14:00   | Monitoring persistent organic pollutants at the Fildes<br>Peninsula on King George Island in the Antarctic       | Qinghua Zhang<br>RCEES, China                                  |

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| 14:00 –<br>14:15  | Discussion   |  |
| 14:15 –<br>14:45  | Coffee Break   |  |
| <b>Session 2: Antarctic Environmental Specimen Banking</b><br>Chair: Marco Grotti, Jan Koschorreck                                    |  |  |
| 14:45 –<br>15:00  | The role of environmental specimen banks in monitoring environmental contamination                                       | Jan Koschorreck<br>UBA, Germany                          |
| 15:00 –<br>15:15  | The Italian Antarctic ESB  | Marco Grotti<br>University Genova,<br>Italy              |
| 15:15 –<br>15:30  | Current status of Antarctic sample collection and proposed methods for biological sample processing at NESB, South Korea | Jangho Lee<br>NESB, South Korea                          |
| 15:30 –<br>16:30  | Panel discussion and summary   |  |
| 17:00 –<br>18:00  | City tour  |  |
| 19:00   | Social Dinner  |  |
| <b>Day 2: 04.10.2024</b>  |  |  |
| <b>Session 3: National and International Antarctic Environmental Monitoring Programs</b><br>Chair: Anette Küster, Susan Bengtson Nash |  |  |
| 09:00 –<br>09:15  | Contaminants in Antarctica; Building a Framework for Policy Advice   | Susan Bengtson Nash<br>Griffith University,<br>Australia |
| 09:15 –<br>09:30  | Practical steps towards a Structured Sample and Data collection of Environmental Contamination in Antarctica             | Anette Küster<br>UBA, Germany                            |

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| 09:30 –<br>09:45  | Atmospheric monitoring of POP's at the Troll observatory                          | Helene Halvorsen<br>NILU, Norway                           |
| 09:45 –<br>10:00  | Discussion  |  |
| 10:00 –<br>10:30  | Coffee Break  |  |
| Session 4: Advanced sampling and analytical technologies<br>Chair: Zhiyong Xie, Jordi Dachs |   |  |
| 10:30 –<br>10:45  | Discharge of Sewage by Ships in the Polar Regions                                 | Nina Kleebach<br>PIA at RWTH Aachen<br>University, Germany |
| 10:45 –<br>11:00  | Contaminants in a Southern Ocean Food web   | José Seco<br>MARE, University of<br>Coimbra, Portugal      |
| 11:00 –<br>11:15  | Sample collection and pretreatment for emerging contaminants in the Antarctic     | Xiangzhou Meng<br>Tongji University,<br>China              |
| 11:15 -<br>11:30  | Discussion  |  |
| Discussion  |   |  |
| 11:30 –<br>11:45  | Joana Fragao - The APECs Portugal perspective on chemical pollution in Antarctica | MARE, University of<br>Coimbra, Portugal                   |
| 11:45 –<br>12:30  | Break - out Group Discussion and Summary  |  |
| 12:30 –<br>14:00  | Lunch   |  |
| Close the meeting   |   |  |