

ACE-DATA/ASAID workshop

École polytechnique fédérale de Lausanne (EPFL): November 5th and 6th 2018

Agenda

| Day 1: Monday 5th November (10:00 – 18:00), Room CO216 | | |
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| 9:45 — 10:00 | Registration (coffee available) | |
| 10:00—10:20 | Welcome logistics and purpose of the workshop | Julia Schmale, Sebastian Landwehr, David Walton |
| 10:20—10:40 | Project 1: <i>Phytoplankton and bio-optical dynamics during ACE</i> | Charlotte Robinson |
| 10:40—11:00 | Project 8: <i>Surveying organic reactive gases and particles across the surface Southern Ocean</i> <i>Ecological modeling of isoprene in the Southern Ocean</i> | Rafel Simó Pablo Rodríguez-Ros |
| 11:00—11:30 | Coffee break | |
| 11:30—11:50 | Project 7: <i>What do clouds have to do with air-sea interactions?</i> | Julia Schmale |
| 11:50—12:10 | Project 11: <i>Air-sea interaction from stable water isotopes</i> | Iris Thurnherr |
| 12:10—12:30 | Project 17: <i>Metocean observations during ACE: A comparison with global wave predictions</i> | Marzieh Hajiarab Derkani |
| 12:30—13:30 | Lunch break | |
| 13:30—13:50 | Project 12: <i>Profiling the Subantarctic microbial community and its contributions to the biological carbon pump</i> | Heather Forrer |
| 13:50—13:55 | <i>N-Osmolytes Across the Surface Southern Ocean</i> | Ruth Airs |
| 13:55—14:15 | Project 13: <i>Circumnavigating the relation of net community production to marine microbial community and physiology in the Southern Ocean</i> | Yajuan Lin |
| 14:15—15:00 | ACE-DATA-science: From top-down modeling to bottom-up relationship discovery | Michele Volpi |
| 15:00 – 15:30 | Coffee break | |
| 15:30—15:40 | <i>Potential research topics for ACE-DATA</i> | Sebastian Landwehr |
| 15:40—17:30 | Discussion and idea collection session Part1 - A data visualization tool for ACE - open discussion and direct testing of ideas | Contribution from everybody |
| 17:30 – 18:00 | <i>ACE-DATA update and overview on data submission</i> | Jen Thomas |

| Day 2: Tuesday 6 th November 08:30 – 16:30, Room CO216 | | |
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| 08:30—10:00 | Discussion and idea collection session Part2 - Try to narrow it down - Testing of ideas (visualization tool) Suggested topics: <i>Developing simple algorithms for oceanic isoprene fluxes?</i> <i>Aerosol precursors from the ocean: From local measurements to regional mapping</i> <i>Revisiting the sea spray aerosol source function</i> | Contribution from everybody Neil Harris Rafel Simó Sebastian Landwehr |
| 10:30—11:00 | Coffee break | |
| 11:00—12:30 | Concretization and planning of the ASAlD-projects - List of projects we agreed on - Who will provide input? - Which outputs would benefit the ACE-projects? - Decide on a preliminary time line | Contribution from everybody |
| 12:30—13:30 | Lunch break | |
| 13:30—15:30 | <i>RENKU tutorial: opening science in a data-driven world</i> | Eric Bouillet |
| 15:30—16:00 | Wrap-up and conclusions | Julia Schmale, Sebastian Landwehr, David Walton |
| 16:00--16:30 | Coffee | |

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List of attendees

| | Surname | Project / position | Affiliation |
|----|----------------------|--------------------|---------------------------------------|
| 1 | Franziska Aemisegger | 11 | ETH Zürich, Switzerland |
| 2 | Ruth Airs | 8 | Plymouth Marine Laboratory, UK |
| 3 | Heather Forrer | 12 | University of Cape Town, South Africa |
| 4 | Marzieh H. Derkani | 17 | University of Melbourne, Australia |
| 5 | Neil Harris | 8 | University of Cranfield, UK |
| 6 | Sebastian Landwehr | ACE DATA | PSI, Switzerland |
| 7 | Charlotte Robinson | 1 | Curtin University, Australia |
| 8 | Pablo Rodríguez-Ros | 8 | Institut de Ciències del Mar, Spain |
| 9 | Julia Schmale | 7 | PSI, Switzerland |
| 10 | Rafel Simó | 8 | Institut de Ciències del Mar, Spain |
| 11 | Christian Tatzelt | 7 | TROPOS, Germany |
| 12 | Jen Thomas | ACE DATA | EPFL, Switzerland |
| 13 | Iris Thurnherr | 11 | ETH, Switzerland |
| 14 | Alessandro Toffoli | 17 | University of Melbourne, Australia |
| 15 | David Walton | Chief Scientist | British Antarctic Survey, UK |
| 16 | Michele Volpi | SDSC | Swiss Data Science Center |
| 17 | Eric Bouillet | SDSC | Swiss Data Science Center |

Remote attendees

| | Surname | Project / position | Affiliation |
|----|---------------------|--------------------|---------------------------|
| 19 | Nicolas Cassar | 13 | Duke University, USA |
| 20 | Yajuan Lin | 13 | Duke University, USA |
| 21 | Fernando Pérez-Cruz | SDSC | Swiss Data Science Center |