

SOLAS

Open Science Conference

21 - 25 April 2019, Sapporo, Japan

WELCOME!

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Note our events!

Ice breaker, 21 April, Beer Keller Sapporo, 6.00-9.00 pm

Banquet, 24 April, Sapporo Grand Hotel, 7.30-10.30 pm





Open Science Conference

Welcome to Sapporo for the 2019 SOLAS Open Science Conference!

We have an exciting and interesting program lined up for our 7th installment of the SOLAS open science conferences, set in this cosmopolitan city at the wild end of Japan. During the coming week, you have the opportunity to explore the full range of SOLAS science, from the core themes of the science plan during plenary lectures, to emerging issues in discussion sessions, to the future wave during the Early Career Scientists' Day.

SOLAS is a bottom-up organization, in which the scientific community sets the agenda, and the Open Science Conferences play a key role in that process. The first SOLAS Open Science Conference, held in Damp, Germany in 2000, generated the ideas that formed the first SOLAS Science Plan, and that tradition continues, as we hope this week will also identify new frontiers for our community to explore.

Hokkaido provides a perfect backdrop to our discussions this week, located at a nexus of air-sea exchange research of both global and local significance. The northern coast of Hokkaido is the lowest latitude at which sea ice forms. It also borders the Sea of Okhotsk, the primary ventilation site for the North Pacific Ocean. To the west, lies a temperate marginal sea that has been a site of extensive SOLAS research into how the human system interacts with air-sea exchange processes. And of course, to the east, the North Pacific Ocean, itself, where high nitrate-low chlorophyll waters meet atmospheric dust and nutrient deposition, with periodic perturbation by typhoons.

We want to thank all the sponsors and funders of this conference, as well as the sponsors of the International SOLAS program (SCOR, Future Earth, iCACGP, and WCRP) for all their support over the years. We also thank the SOLAS International Project Office and the Local Organizing Committee for their hard work and dedication in assuring that we have a fun and comfortable meeting this week. Finally, we thank you, the SOLAS community, for making SOLAS the productive, exciting, and important organization that it is.

Enjoy!

Lisa A. Miller
Chair, SOLAS Scientific
Steering Committee

Jun Nishioka
Chair, SOLAS 2019 Local
Organizing Committee

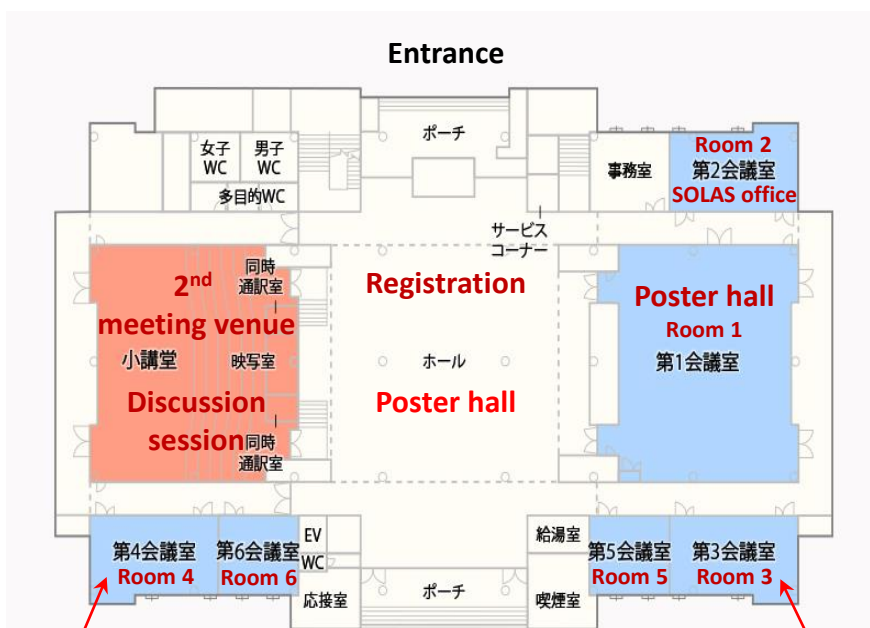
surface ocean
solas
2019
lower atmosphere study

Conference website: www.solas-int.org/osc2019.html



II. Conference hall map - Hokkaido University

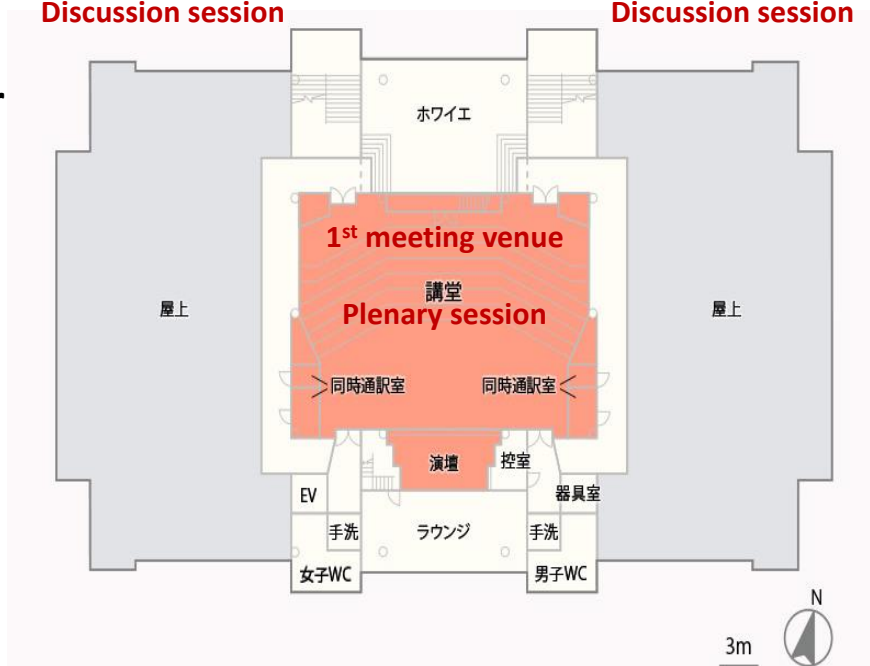
1st Floor



Early Career Scientist Day
Discussion session

Geoengineering workshop
Discussion session

2nd Floor



Registration desk

If you require any assistance, please visit the registration desk.

The registration desk will be open throughout the conference from 9:00 am on Sunday and from 8:00 am on Monday to Thursday.

Please regularly check the information board next to the desk, which will inform about conference details, programme changes, and other announcements.

III. Conference programme & information for presenters

Time	Sunday, 21 April	Monday, 22 April	Tuesday, 23 April	Wednesday, 24 April	Thursday, 25 April
09:00 Early Career Scientists Day	08:30 Conference opening Welcome & SOLAS introduction	08:30 Integrated topics I Session chairs: T. M. Lattl and A. Mahajan M. Cornejo: The dynamic of the nitrous oxide in the Humboldt Current System	08:30 Geoeengineering / Science and Society Introduction by session chairs: P. Boyé and E. van Doorn	08:30 Theme 1: Greenhouse gases and the oceans Introduction by session chairs: A. Koertziinger and G. Zhang	08:30 Integrated topics II Introduction by session chairs: K. Altieri and S. Kameyama
Geoeengineering workshop	09:20 M. Dai: Air-Sea CO ₂ fluxes, diapycnal nutrient fluxes and export productivity in oligotrophic ocean	09:10 S. Tegtmeier: Impact of large-scale macroalgae production on the ozone layer	09:10 O. But: Dissolved methane distribution and its controlling factors in the Arctic Ocean in 2016 summer	09:20 L. Gálvez-López: Air-sea CH ₄ fluxes from eddy covariance measurements in the Baltic Sea	09:20 P. Wongpan: Using under-ice spectra to determine land-fast ice algal biomass in Lake Saroma, Japan
	10:00 J. Kim/K. Lee: Biological production reduces the net impacts of coastal acidification in the northwestern Pacific Ocean	10:00 S. Sarkar: Taking the science to community: An approach of multi-stakeholders integration for sustainable Blue Economy development in Bangladesh	09:50 L. Keppler: Regional Wind Variability Modulates the Southern Ocean Carbon Sink	10:00 M. Frey: Sea salt aerosol from blowing snow above sea ice - a new particle source	
10:20 Coffee break	10:20 Coffee break	10:20 Coffee break	10:20 Coffee break	10:20 Coffee break	10:20 Coffee break
10:50 Early Career Scientists Day	10:50 Theme 4: Interconnections between aerosols, clouds and ecosystems Introduction by session chairs: M. Lévassieur and Y. Iwamoto	10:50 Theme 2: Air-sea interface and fluxes of mass and energy Introduction by session chairs: P. Minnett and A. Rutgersson	10:50 Theme 5: Ocean biogeochemical control on atmospheric chemistry Introduction by session chairs: J. Oudenneville and Y. Miyazaki	11:00 A. Mahajan: Oceanic Regulation of Atmospheric Chemistry: Past, Present and Future	11:00 Y. Chen: Atmospheric deposition of nitrogen and trace metals affects marine phytoplankton and their feedback to aerosols
Geoeengineering workshop	11:30 A. Bacarani: Is new particle formation an aerosol source over the Southern Ocean?	11:30 K. Krall: Air-sea gas transfer at hurricane wind speeds	11:30 S. Smith: Modelling of ammonia/am across the air-sea interface in the Atlantic sector of the Southern Ocean	11:50 K. Hamasaki: Microbial community dynamics in sea surface microlayer and sea spray aerosols observed in coastal inlets of Japan	11:30 R. Mukherjee: Limitation of iron on N ₂ fixation in the Arabian Sea
	11:50 P. Rodólfier-Ros: Ecological modeling of marine biogenic isoprene emissions in the Southern Ocean	11:50 P. Markuszewski: Sea spray fluxes: interconnections between ambient noise of bubbles and wave age	12:10 J. Maas: Simulating halocarbon concentration in ocean and atmosphere from industrial water treatment	12:10 C. White: Impact of atmospheric nitrogen deposition to nitrogen limited marine surface waters in the temperate and subtropical North Atlantic Ocean	
12:30 14:30 Lunch	12:30 14:30 Lunch	12:30 14:30 Lunch	12:30 14:30 Lunch	12:30 14:30 Lunch	12:30 Conference closing
Early Career Scientists Day	12:30 Discussion sessions long term observatories are used to study the processes controlling air-sea exchange? S. Royer, D. Delbecq: Impacts of ocean plastic and microfibers on air quality and climate	12:30 Discussion sessions E. van Doorn, C. Marinello: SOLAS Science & Society: achievements, present status & future possibilities P. Hwang, T. Toyota: Enhanced air-sea interaction in the emerging Marginal Ice Zone	12:30 Discussion sessions M. Uematsu, A. Zivan, K. Slavik: WHAT IS Ocean KAN?	12:30 Discussion sessions A. Ito, W. Landing, D. Hamilton: Atmospheric deposition of iron, ocean biogeochemistry and marine emission of biological aerosols P. Suntharalingam, G. Zhang, A. Koertziinger: Oceanic greenhouse gases: The present situation and future initiatives	
Geoeengineering workshop	16:00 M. Frey, P. Zieger, D. Nomura, J. Thomas, N. Steiner: The coupling of ocean, sea ice and atmospheric chemistry & biogeochemistry - a cross-disciplinary research challenge	16:00 C. Chen, E. Achterberg: The High Resolution Measurement for the Ocean-Atmosphere Interfacial Layers	16:00 Coffee break (during poster session)	16:00 Coffee break (during poster session)	
15:30 Coffee break					
15:30 Early Career Scientists Day	16:30-18:00 Poster sessions Theme 3: Atmospheric deposition and ocean biogeochemistry Integrated topics	16:30-18:00 Poster sessions Theme 5: Ocean biogeochemical control on atmospheric chemistry Geoeengineering	16:30-18:00 Poster sessions Theme 2: Air-sea interface and fluxes of mass and energy	16:30-18:00 Poster sessions Theme 1: Greenhouse gases and the oceans Science & Society	
Geoeengineering workshop	17:30-19:00 Theme 4: Interconnections between aerosols, clouds and ecosystems	17:30-19:00 Theme 1: Greenhouse gases and the oceans Science & Society	19:30 Conference banquet		
18:00 Welcome reception	19:30 National representatives dinner (invitation only)	19:30 Science & Society			

Information for presenters

- **Poster presenters:** Come to the registration desk as early as possible , pick up your poster panel number, and hang your poster. We kindly ask you to remove your poster by the end of the conference.
- **Oral presenters:** Come to the ‘Speaker Ready Area’ at the registration desk to upload and check your presentation.

IV. Poster sessions

Note that all posters are up all week. The dates and times below are when the presenters should be at their posters.

Monday, 22 April 2019

16:30 - 18:00

Atmospheric deposition and ocean biogeochemistry

Integrated topics

- 301 *Gao*: Changes in phytoplankton community due to dust addition in eutrophication, LNLC and HNLC seawaters in the Northwest Pacific
- 302 *Gong*: Spatial variation of subsurface chlorophyll maximum in relation to temperature in northern South China Sea
- 303 *Guo*: Modelling the effects of atmospheric nitrogen deposition on primary production in the Yellow Sea and East China Sea
- 304 *Guo*: Atmospheric deposition and air? Sea gas exchange of polycyclic aromatic hydrocarbons over the Yangtze River Estuary, East China Sea
- 305 *Hamilton*: Anthropogenic impacts on iron biogeochemical cycles
- 306 *Ito*: Atmospheric deposition of iron from mineral dust and combustion aerosols to the ocean
- 307 *Kurisu*: Estimation of contribution of anthropogenic iron in marine aerosols by iron isotope ratios
- 308 *Marsay*: Concentrations, provenance, and fluxes of aerosol trace metals along the US GEOTRACES Pacific Meridional Transect
- 309 *Matoba*: Temporal variation in iron deposition onto the Northern North Pacific reconstructed from an ice core drilled in Alaska
- 310 *Matsui*: Anthropogenic combustion iron as a complex climate forcer
- 311 *Nagashima*: Provenance study of suspended detrital grains in the subarctic North Pacific using cathodoluminescence spectra of single quartz grains
- 312 *Nakagawa*: The triple oxygen isotopes of nitrate as tracer of atmospheric nitrate deposition in coastal seawater
- 313 *Noguchi*: Influence of atmospheric nutrient deposition and phytoplankton species composition in the western north Pacific subtropical area in winter
- 314 *Obata*: Speciation of copper in the East China Sea:
- 315 *Olgun*: Iron (Fe) solubility of volcanic ash in seawater: Effect of grain size distribution of pristine volcanic ash
- 316 *Perron*: Aerosol iron transport and deposition to the ocean around Australia
- 317 *Qi*: Distribution of dry deposition velocities and fluxes of atmospheric particulate nitrogen and phosphorus over the China marginal seas and northwest Pacific
- 318 *Sakata*: Organic carbon in sea spray aerosol: The role in iron and claw hypotheses
- 319 *Taketani*: Seasonal response of north western Pacific marine ecosystems to deposition of atmospheric inorganic nitrogen compounds from East Asia
- 320 *Tsunogai*: The O-17 excess of nitrate in the Japan sea
- 321 *Wang*: The $\delta^{15}\text{N}$ and $\delta^{18}\text{O}$ values of nitrate and ammonium in aerosols over the East China Sea-implications on offshore atmospheric processing
- 322 *Yamamoto*: Impact of glaciogenic dust on glacial CO_2 decrease and deoxygenation
- 323 *Zhang*: Fertilization of the Northwest Pacific Ocean by Chinese haze particles
- 601 *Evans*: Accumulation processes of trace metals into Arctic sea ice: Distribution of Fe, Mn and Cd associated with ice structure
- 602 *Hepach*: The CoastSens project - providing a unique tool for coastal environmental monitoring in the Baltic Sea
- 603 *Maione*: Contribution of shipping to BC emissions: a European study
- 604 *Martinez Lopez*: Eutrophication and climate forcing: effects in nitrogen pathways in lagoons of the gulf of california
- 605 *Suzuki*: Seasonal variation of phytoplankton assemblages in surface waters of the North Pacific

Monday, 22 April 2019

17:30 - 19:00

Interconnections between aerosols, clouds and ecosystems

- 401 *Abe*: Effect of two different DMS emission schemes on aerosol processes on the Earth System Model, MIROC-ES2L
- 402 *Aiki*: A marine-field optical particle counter for sea-spray measurements: Understanding the relationship between surface wave breaking and aerosol generation
- 403 *Ding*: Concentration distribution and sources of organic carbon in atmospheric particulates over the Yellow and Bohai Seas and in the coastal region
- 404 *Hara*: Atmospheric sea-salt halogen chemistry in polar regions
- 405 *Iwamoto*: CCN activities of marine aerosol over the north Pacific and its marginal seas during summer
- 406 *Kawana*: Measurements of fluorescent aerosol particles over the North Pacific and the Indian Ocean
- 407 *Kim*: Environmental magnetic assessment of particulate pollution by biomass burning in Korea
- 408 *Law*: Surface ocean aerosol production (SOAP) in the south-west PACIFIC: an update
- 409 *Lehahn*: The stimulating effect of horizontal dispersion on phytoplankton blooms in oligotrophic environments
- 410 *Mansour*: Marine biological activity influence on aerosol and cloud properties, observed through in situ and remote sensing measurements
- 411 *Miyazaki*: Origin of water-soluble organic nitrogen in marine atmospheric aerosols in the subtropical North Pacific
- 412 *Perkins*: Ice nucleation by surfactant films
- 413 *Saint-Macary*: Will ocean acidification and warming alter DMS emissions from coastal waters?
- 414 *Sellegrì*: Is marine biology influencing seaspray number concentrations and CCN properties?
- 415 *Steiner*: Model simulations of present and future DMS emissions in the Arctic
- 416 *Takahashi*: Increase of soluble fraction of Fe in aerosol of volcanic origin during long-range transport
- 417 *Wang*: Distribution characteristics of culturable microorganism in Qingdao area
- 418 *Yim*: Atmospheric concentrations, total deposition and air? Water exchange of polycyclic aromatic hydrocarbons (PAHs) in Anmyeon Island, eastern part of the Yellow Sea
- 419 *Zhu*: Sources of black carbon in the Arctic Ocean simulated by Flexpart transport model

Tuesday, 23 April 2019

16:30 - 18:00

**Ocean biogeochemical control on atmospheric chemistry
Geoengineering**

- 501 *Altieri*: Biogeochemical controls on marine aerosols and their precursors in the pristine atmosphere of the Southern Ocean
- 502 *Bell*: Controls on dimethylsulfide variability in the north Atlantic during different seasons and states of the phytoplankton bloom

Tuesday, 23 April 2019

16:30 - 18:00 (cont.)

- 503 *Booge*: Seasonal changes of coastal surface ocean isoprene concentrations
- 504 *Conte*: Modeling the oceanic cycle of isoprene at the global scale
- 505 *Deschaseaux*: Dimethylsulfide (DMS) fluxes from permeable coral reef carbonate sediments
- 506 *Du*: Surface reactions of marine aerosols
- 507 *Fujii*: First long-term continuous monitoring and modeling of ocean acidification properties in the subarctic coast of Hokkaido, Japan
- 508 *He*: Nucleation and growth of iodine particles in the CERN CLOUD experiment
- 509 *Hepach*: Linking marine phytoplankton and atmospheric chemistry - biogenic iodate reduction and potential impacts on tropospheric iodine
- 510 *Jia*: The Impact of Oceanic Emissions of Bromoform on the Remote Atmosphere
- 511 *Jung*: Characteristics of sulfur-containing aerosols and organic carbon in the Amundsen Sea, Antarctica
- 512 *Kameyama*: Development of Measurement System for Marine and Atmospheric Isoprene and Dimethyl Sulfide using Curie-Point Pyrolyzer (CPP)
- 513 *Kanaya*: Comprehensive over-ocean atmospheric ozone measurements on R/V mirai from 67°S to 75°N during 2012-2017: Missing sink linked to iodine chemistry in low latitudes
- 514 *Kieber*: Photochemical production and biological turnover of acrylate in a coral reef ecosystem in Moorea, French Polynesia
- 515 *Latif*: Surfactants in the sea surface microlayer, subsurface water and fine marine aerosols in coastal areas around Malaysian Peninsula
- 516 *Lawson*: Atmospheric DMS, methanethiol and acetone over the South West Pacific during the SOAP voyage
- 517 *Liu*: Effects of *Ulva prolifera* blooms on the carbonate system in the southern Yellow Sea
- 518 *Manville*: High-resolution spatial variability lengthscales of surface ocean dimethylsulfide (DMS) concentrations
- 519 *Masdeu Navarro*: Day/night VOC's cycling in open ocean and coral reef ecosystems of the French Polynesia
- 520 *Nishikawa*: High-resolution modeling of iron and phosphate transport in the subarctic North Pacific
- 521 *Omori*: Quantification of microbial and photochemical production of oxygenated volatile organic compounds in coastal seawater
- 522 *Ooki*: Isoprene productions in seawater of the Funka Bay, Hokkaido, Japan
- 523 *Schneider*: Formation of Secondary Organic Aerosol from the Oxidation of *T. pseudonana* Cultures
- 524 *Sellegrì*: Biological influences on atmospheric new particle formation during a mesocosm experiment in New Zealand coastal waters
- 525 *Simó*: Sources and sinks of DMS, isoprene and halomethanes in a coral reef ecosystem of the French Polynesia
- 526 *Tanimoto*: Air-sea exchange and budget of sulfur and oxygen-containing organic compounds in the Pacific Ocean
- 527 *Tham*: Observation of inorganic oxides and acids in the Atlantic coastal environment: implications on the aerosol formation and growth
- 528 *Tjiputra*: Amplification of future warming through changes in marine DMS emissions
- 529 *Wilson*: Using time-series analysis to assess relationships between atmospheric volatile organic compounds, algal populations, microbial functioning, and marine gases

Tuesday, 23 April 2019

16:30 - 18:00 (cont.)

- 530 *Yadav*: Anthropogenic very short-lived halocarbons from seaweed farming in Southeast Asia
- 531 *Yang*: Transformation and cycling processes of biogenic dimethylated sulfur compounds in the East China Continental Sea
- 532 *Yao*: Mapping concentrations of ammonia in the marine atmosphere along the long coastline in China
- 533 *Yu*: Effects of nitrate and salinity on DMSP production and antioxidant systems of *Emiliania huxleyi* (Prymnesiophyceae)
- 606 *Tjiputra*: Asymmetry in air-sea CO₂ fluxes during rapid warming and rapid cooling scenario
- 607 *Lauvset*: Climate engineering and the ocean: Effects on biogeochemistry and primary production

17:30 - 19:00

Greenhouse gases and the oceans

- 101 *González-Dávila*: 24 years studying the fluxes of CO₂ and its effects in the estoc station
- 102 *Gu*: Dissolved nitrous oxide and hydroxylamine in the marginal seas of China: Distribution, emission, and production
- 103 *Hakspiel*: Nitrification and removal of dissolved inorganic nitrogen in the hypoxic layer of Alfonso Basin, Gulf of California
- 104 *He*: Distributions of volatile halocarbons in the marine atmosphere and seawater of the northern South China Sea during summer
- 105 *Lachkar*: Air-sea CO₂ fluxes in the Arabian Sea under higher atmospheric CO₂ and warmer climate
- 106 *Le Nguyen*: The impact of the hydrodynamics on coastal mangrove forests in response to sea level rise and climate change
- 107 *Miller*: Re-examining photochemical oxidation of DOC to DIC/CO₂: methods, proxies and models
- 108 *Nakaoka*: fCO₂ and sea-air CO₂ flux variability in the global ocean from 2001 to 2014
- 109 *Orselli*: Satellite-derived carbon dioxide partial pressure along Agulhas eddies trajectories
- 110 *Santana-Casiano*: Changes in the fluxes of CO₂ in the Mauritanian-Cap Vert upwelling region and its effect in the ocean acidification
- 111 *Suntharalingam*: Oceanic nitrous-oxide emission estimates from empirical and process models
- 112 *Yasunaka*: Arctic Ocean CO₂ uptake: an improved multi-year estimate of the air-sea CO₂ flux incorporating chlorophyll-a concentrations
- 113 *Yasunaka*: Spatio-temporal variability of surface water pCO₂ and nutrients in the tropical Pacific from 1981 to 2015
- 114 *Zhang*: Distribution of concentration and stable isotopic composition of N₂O in the shelf and slope of the northern South China Sea: Implications for production and emission
- 115 *Zhang*: Coastal Observation of Non-methane Hydrocarbons in the Yellow Sea and East China Sea during Spring: Spatial Variability, Controlling Factors and Environmental Effect

Wednesday, 24 April 2019

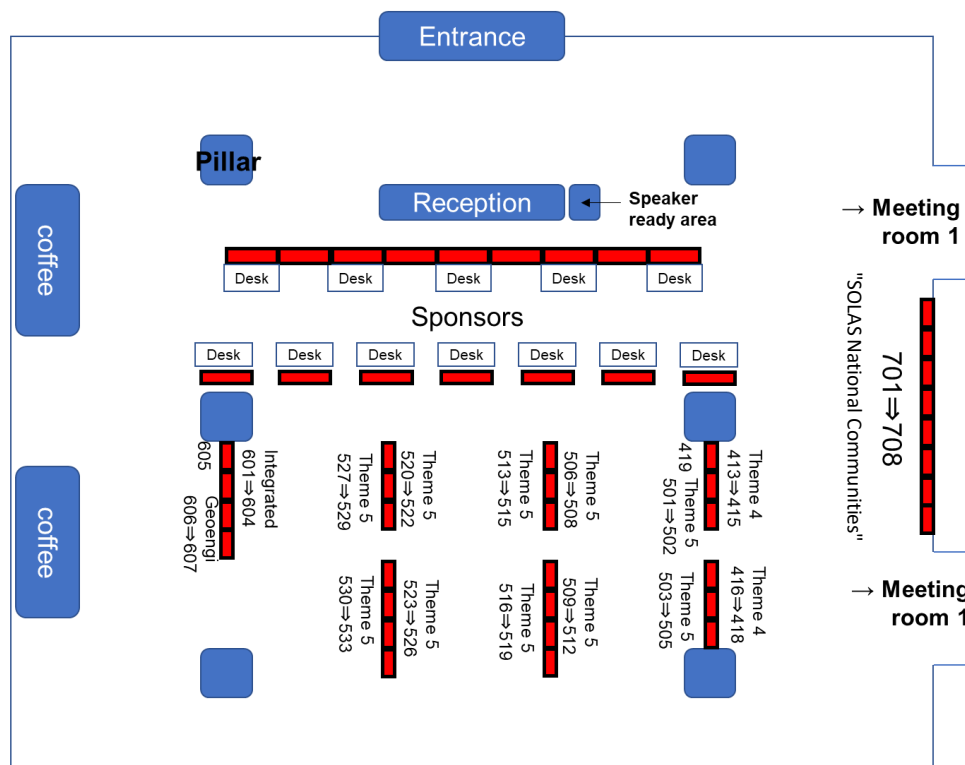
16:30 - 18:00

Air-sea interface and fluxes of mass and energy

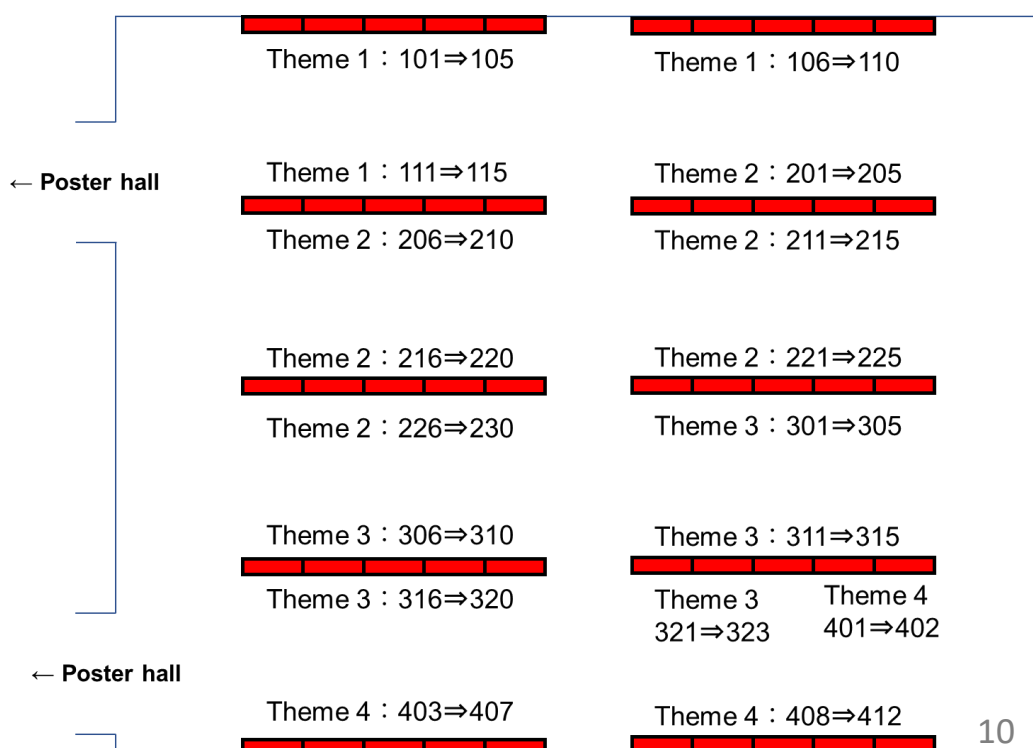
- 201 *Barbot*: Internal tidal waves impact over the surface elevation and their seasonal variability
- 202 *Dai*: Surface Oil Film Effects on Hydrodynamic Properties of Short Wind-generated Waves
- 203 *Du*: Coastal vulnerability connected with sea level rise and storm surge in the Northwest Pacific Ocean
- 204 *Esters*: Evaluation of a turbulence-based description of the air-water gas transfer velocity
- 205 *Friman*: Investigations of SO₂ transfer across the air-water interface
- 206 *Giostra*: Influence of sub-mesoscale motions on dispersion in marine boundary layer
- 207 *Guo*: Seasonal deposition to and gas exchange of PBDEs at the air-water interface over a strongly human influenced large river estuary: role of atmospheric transport and riverine runoff
- 208 *Horowitz*: Blowing snow sea salt aerosol emissions and radiative effects in present and future climates
- 209 *Kameyama*: Typhoon-induced vertical mixing measured by the Kuroshio Extension Observatory buoy
- 210 *Kang*: Air-sea interaction around the warm and cold eddies in low wind conditions within the eddy-rich zone of the Northwestern Pacific
- 211 *Kieber*: Oceanic efflux of ancient marine dissolved organic carbon in primary marine aerosol
- 212 *Kinjo*: Measuring noble gas fluxes at high wind speeds in the sustain wind-wave tank
- 213 *Komatsu*: Measuring the air-sea interface using a bird-attached logger
- 214 *Li*: Quasi-real-time and high-resolution spatiotemporal distribution of anthropogenic CO₂ in the subarctic North Pacific Ocean
- 215 *Li*: The relationship between the NAO and North Atlantic CO₂ flux on different timescales
- 216 *Marandino*: Baltic Sea Gas Exchange Experiment (Baltic GasEx)
- 217 *Pan*: Evaluation of oceanic anthropogenic fixed nitrogen in the western North Pacific
- 218 *Rutgersson*: Using land-based stations for air-sea interaction studies
- 220 *Shi*: North-South pathway of Sea Surface Salinity Anomaly combined with observation and satellite data in the west Pacific Warm Pool
- 222 *Shi*: The influence of sea spray on sea surface drag coefficient
- 223 *Watanabe*: Dynamics of fixed nitrogen cycling between the Okhotsk Sea and the subarctic North Pacific
- 224 *Xu*: Trends in the air-sea CO₂ exchange fluxes in the Southern and Northern Hemispheric oceans
- 225 *Yunoki*: Spatiotemporal changes of ocean acidification and anthropogenic CO₂ by using parameterizations of ocean carbon species in the western North Pacific
- 226 *Zavarsky*: Reynolds number parameterization of gas transfer suppression
- 227 *Zhang*: Preliminary study on atmospheric PAHs and flux deposition in coastal mangrove ecosystem
- 228 *Zhou*: Temporal changes of DMS mixing ratios in the air over the Baltic Sea
- 229 *Zhou*: The influence of wave induced Stokes drift on the sea surface temperature in North Pacific
- 230 *Stolle* : The effect of (No) light on the air-water interface
- 231 *Zieger*: Characterisation of sea spray simulation chamber generated bioaerosols in the Baltic Sea

Poster location

Poster hall

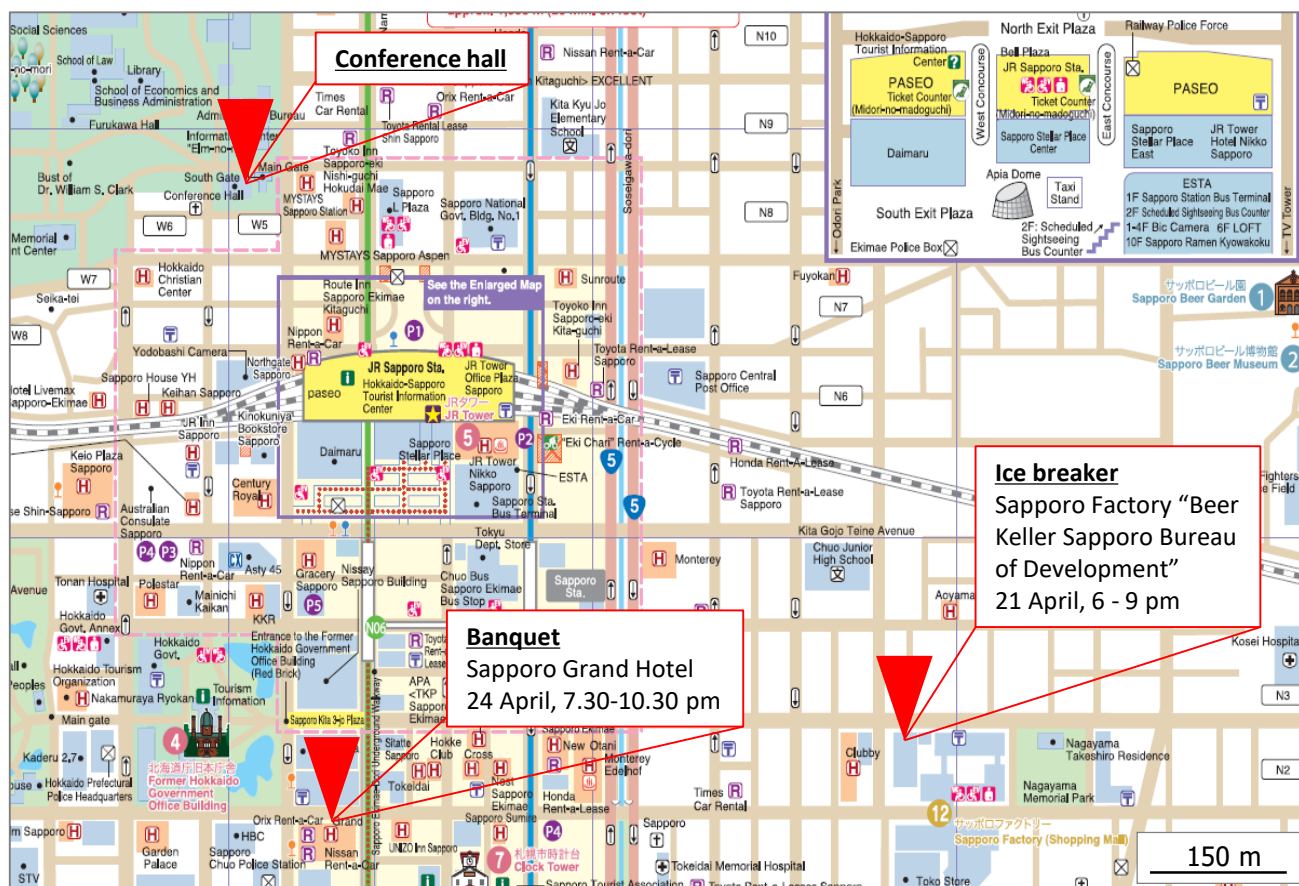


Meeting room 1



V. Overview Map

Conference hall and event locations



For a detailed route description to the **Ice breaker** and **Banquet** location, see the next two pages (page 5 - 6).

If you take a taxi:

As there are usually vacant taxis cruising in the streets, raise your hand to stop it. Taxis are also available at the JR Sapporo station as well as at some hotels.

Show the following to a taxi driver to go to:

Ice breaker

ビヤケラー札幌開拓使
(サッポロファクトリー レンガ館, 北 2 東 4)

Banquet

札幌グランドホテル

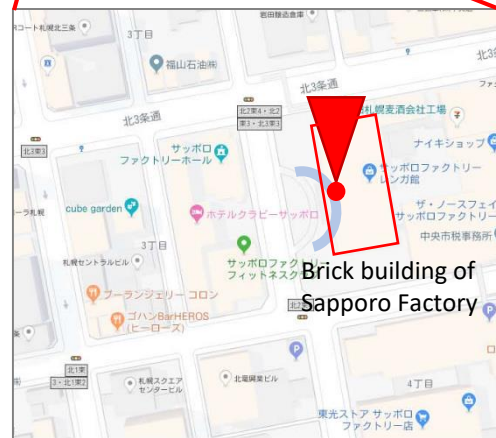
VI. Event locations with direction maps

Conference hall → Ice breaker



→ approx. 25 min walk from the Conference hall

→ approx. 10 min walk from the Sapporo TV tower



Ice breaker, Sunday 21 April, 6.00 - 9.00 pm

Beer Keller Sapporo Bureau of Development

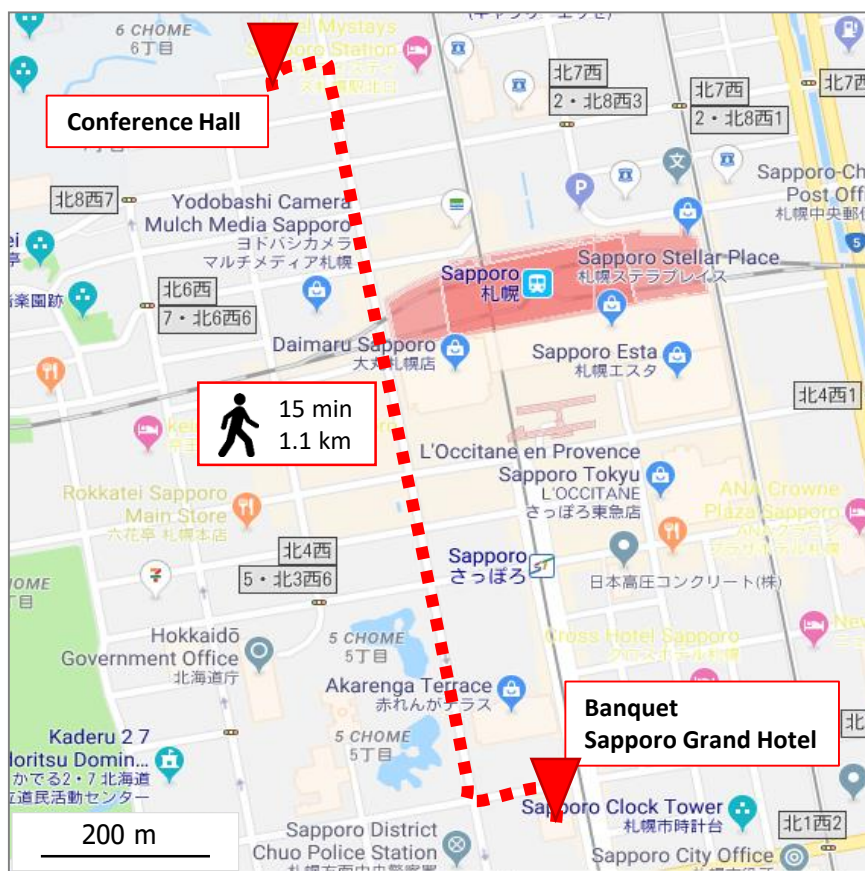
Brick building of Sapporo Factory (1F) /

North 2, East 4, Chuo-ku, Sapporo



VI. Event locations with direction maps

Conference hall → Banquet



-> approx. 15 min walk from the conference hall



Banquet, Wednesday 24 April, 7.30 - 10.30 pm

Sapporo Grand Hotel (2F) / North 1, West 4, Chuo-ku, Sapporo

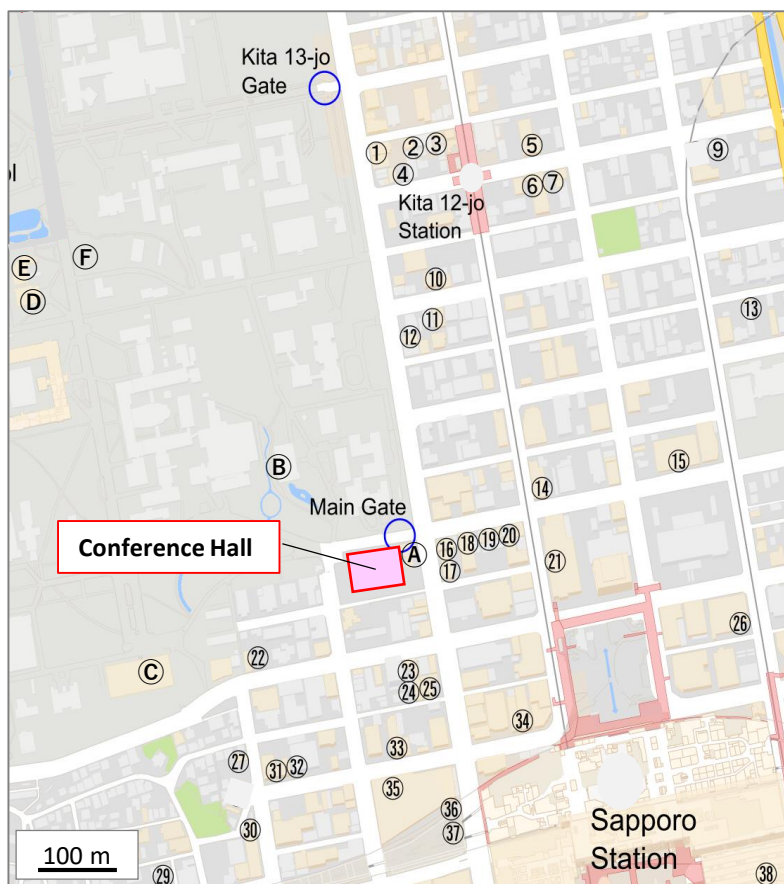
VII. Restaurant guide

Restaurants with lunch menus

No Name

Category

A Elm no Mori	Cafeteria (light meal)
B Hokudai Marche	Restaurant
C Clark Cafeteria *	Cafeteria
D Chuo Cafeteria *	Cafeteria
E Elm Restaurant	Restaurant
F Seicomart	Store & Restaurant
1 Clark-Tei	Restaurant
2 Hashimaya	Ramen
3 THE KEBAP'S	Turkish food restaurant
4 Maru	Ramen
5 Go Bee	Chinese food restaurant
6 Suriyothai	Thai food restaurant
7 Dejeuner Campanula	Restaurant
9 Jack in the box	Soup curry
10 Marutaka Ramen	Ramen
11 Kitchen taft B	Restaurant
12 Chinman	Chinese food restaurant
13 Hirose Shoten	Ramen
14 Mos Burger	Hamburger restaurant
15 Osteria EST EST EST	Italian food restaurant
16 Shun	Japanese food restaurant
17 CoCo ichibanya	Curry
18 Kuromugi	Buckwheat noodles
19 Yunron	Chinese food restaurant
20 Kogane	Japanese food restaurant
21 Yamawasabi	Buckwheat noodles
22 Mizuki	Buckwheat noodles
23 ROGA	Curry
24 Erimo-Tei	Japanese food restaurant
25 Fukagawa	Japanese food restaurant
26 Ushinoya	BBQ house
27 Kofuku	Chinese food restaurant
29 Ramen Jiro	Jiro Ramen
30 Tsukimiken	Ramen
31 Sopracciglia	Italian food restaurant
32 Ichizen	Buckwheat noodles
33 Mia Bocca	Italian food restaurant
34 175° DENO	Ramen
35 McDonald's	Hamburger restaurant
36 Barikiya	Ramen
37 Saint Marc cafe	Cafe
38 The Republic of Ramen	Ramen street



* **Please note!** – Hokkaido University's cafeterias (C and D) might be overcrowded during lunch time.

VIII. ATM services in Sapporo

Bank ATMs at 7-Eleven convenience stores

Many ATMs in Japan do not accept cards that are issued outside of Japan. Exception are ATMs at 7-Eleven convenience stores and at post offices.

Seven Bank ATMs, mainly located inside 7-Eleven convenience stores (see map below for 7-Eleven store location or use the QR code to find the next ATM).



- No. 1 - 4 are open from **Mon-Sun, 7:00 am - 10:00 pm**.
- all other 7-Eleven convenience stores indicated at the map are open from **Mon-Sun, 24 hours**.

For details, please see the website:

<https://www.sevenbank.co.jp/intlcard/card2.html>

Searching for the nearest Seven Bank ATMs, use this website:

<http://inbound.standard.navitime.biz/sevenbank-english/Index.act>



Search via mobile
ATM location.

SOLAS

Open Science Conference

IX. Sponsors and contact

SOLAS Open Science Conference sponsors

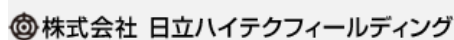
We thank all our sponsors for their contributions!



City of Sapporo



東京ダイレック株式会社



SOLAS Sponsors

Contact



近海海洋环境科学国家重点实验室 (厦门大学)

State Key Laboratory of Marine Environmental Science (Xiamen University)



SOLAS International Project Office

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