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## Open Science Conference on Salinity and Freshwater Changes in the Ocean

12.-15. October 2015, Großer Hörsaal, [Museum für Völkerkunde](#), Hamburg, Germany



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### Background

Ocean salinity is a key parameter that is related to freshwater transport convergences in the ocean, and reflects the exchange of freshwater between the ocean and various components of the climate system. In addition, salinity is a key dynamical parameter that influences the oceans dynamics and is being influenced by mixing in the ocean. Through the advent of new observing technologies, salinity research has gained much attention over the recent years, now leading to rapidly growing new insights. This includes surface freshwater fluxes and river run off, as well as sea ice aspects of the ocean circulation. The conference intends to bring together communities working on all aspects related to ocean salinity and freshwater studies in the ocean, to review most recent results and to discuss further progress that is required.

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### Meeting Objectives

The conference will review progress and ongoing work and will identify next frontiers in the fields of ocean salinity and freshwater cycle science.

In doing so it will focus on:

1. Progress made in observing ocean salinity
2. Progress made in salinity research
3. New insight into the oceans role in the global freshwater cycle.
4. Scientific challenges using new salinity observation in the wider community
5. Challenges of future salinity observing, including remote sensing.
6. Aspects of surface freshwater fluxes, run off, and sea ice.
7. Aspects related to salinity freshwater in numerical models.

Observations, modeling and assimilation aspects will be addressed in all sessions; more technical aspects in specific sessions.

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## Conference Themes

**Opening Keynote:** *Ray Schmitt*

**Theme 1: Salinity and the water cycle**

Keynote speaker: *Paul Durack, Thierry Delcroix*

**Theme 2: Salinity Observations**

Keynote speaker: *Gilles Reverdin, Monika Rhein*

**Theme 3: Salinity Remote Sensing**

Keynote speaker: *Nicolas Reul, Garry Lagerloef*

**Theme 4: Modeling and Assimilation of Salinity**

Keynote speaker: *Steven Griffies, Camille Lique, Detlef Stammer*

**Theme 5: Role of Salinity in Ocean Dynamics**

Keynote speaker: *Tong Lee, Michael Whitney, Torsten Kanzow*

**Theme 6: Salinity, Mixed Layer Dynamics and Ocean Mixing**

Keynote speaker: *Johannes Karstensen, Christophe Maes, Brian Ward*

**Theme 7: Salinity and Oceans Biogeochemistry**

Keynote speaker: *Rana Fine, Jacqueline Boutin, Stefan Bakan*

**Closing Keynote:** *Trevor Macdougall*

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## Preliminary Program

	Day 1	Day 2	Day 3	Day 4
8:00 – 9:00	Registration			
9:00 – 10:30	Opening, Keynote	Session 3 Talks	Session 5 Talks	Session 7 Talks
10:30 – 11:00	Coffee Break			
11:00 – 12:30	Session 1 Talks	Session 3 Posters	Session 5 Posters	Session 7 Posters
12:30 – 14:00	Lunch Break			
14:00 – 15:30	Session 2 Talks	Session 4 Talks	Session 6 Talks	Key Note Closing
15:30 – 16:00	Coffee Break			
16:00 – 17:30	Session 1, 2 Posters	Session 4 Posters	Session 6 Posters	
18:30 - 21:00	Reception		Conference Dinner	



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## Important Dates and Logistical Information

### 1) Registration:

Please register via the [registration web portal](#).  
Registration is open **until 31. August 2015**.

### 2) Abstract Submission:

Abstracts for talks and posters can be submitted, **in pdf format, until 30. June 2015** via the [registration web portal](#) or via email to Meike Demgen ([meike.demgen@uni-hamburg.de](mailto:meike.demgen@uni-hamburg.de)). The final program will be circulated beginning of August.

### 3) Hotel booking:

We recommend one of the following hotels for your stay in Hamburg.

#### 1. Motel One

Steindamm 102

phone: +49 40-4192497-0

Single room: EUR 71,14

Breakfast: EUR 9,50

[www.motel-one.com/en/hotels/hamburg/](http://www.motel-one.com/en/hotels/hamburg/)

The hotel is in walking distance to Hamburg main station (10 min.) and only a 10 min. metro ride to the venue.

#### 2. HOTEL VORBACH

Johnsallee 63-67

20146 Hamburg

phone: +49/40/44 18 2-666

[info@hotel-vorbach.de](mailto:info@hotel-vorbach.de)

[www.hotel-vorbach.de](http://www.hotel-vorbach.de)

Single room incl. breakfast: EUR 96,00

The hotel is in walking distance to the venue (4 Min.).

#### 3. YOHO – the young Hotel Hamburg

Moorkamp 5

20357 Hamburg

phone: +49 40 28 41 91 0

[yoho@yoho-hamburg.de](mailto:yoho@yoho-hamburg.de)

[YOHO - Webpage](#)

Single room: EUR 89,00

Breakfast: EUR 9,50

A nearby bus takes 10 min. to the venue.

### 4) Travel

Those who need an invitation letter for VISA purposes, please contact Meike Demgen ([meike.demgen@uni-hamburg.de](mailto:meike.demgen@uni-hamburg.de)).

## 5) Meeting Venue

The meeting venue is [Museum für Völkerkunde, Hamburg, Germany](#).

The address of the venue is:

Rothenbaumchaussee 64

20148 Hamburg

phone: 040 – 42 88 79-0

fax: 040- 428 87 92 42

The venue location can be reached by public transportation using:

U1 – Hallerstraße

S11/S21/31 -Dammtor

Bus 15 (Hallerstraße)

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## Science Steering Committee:

Detlef Stammer (Chair, Universität Hamburg, Germany)

Stephan Bakan (MPI-M, Germany)

Bernard Barnier (LGGE, France)

Frank Bryan (NCAR, USA)

Jacqueline Boutin (LOCEAN, France)

Craig Donlon (ESA)

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Tony Lee (NASA JPL, USA)

Gary Lagerloef (ESR / Aquarius PI, USA)

Nicolas Reul (IFREMER, France)

Monika Rhein (Universität Bremen, Germany)

Ursula Schauer (AWI, Germany)

Ray Schmitt (WHOI, USA)

Antonio Turiel (ICM, Spain)

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## Local Organizing Committee:

Detlef Stammer (Universität Hamburg, Germany)

Meike Demgen (CliSAP/CEN Office, Universität Hamburg, Germany)

Ines Mügler (CliSAP/CEN Office, , Universität Hamburg, Germany)

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