



## **São Paulo School of Advanced Science on Ocean Interdisciplinary Research and Governance**

*13 to 25 August 2018, São Paulo, Brazil*

The São Paulo School of Advanced Science on Ocean Interdisciplinary Research and Governance (SPSAS Ocean) will be held from 13 to 25 August 2018 at the University of São Paulo (USP), São Paulo, Brazil. The SPSAS is organized by the Oceanographic Institute (IOUSP), the Inter-American Institute for Global Change Research (IAI), the Institute of Advanced Studies (IEA/USP), with the support of INterdisciplinary CLimate INvestigation cEnter (INCLINE), Brazilian Network for Monitoring Coastal Benthic Habitats (ReBentos), and other collaborators. It is sponsored by the São Paulo Research Foundation (FAPESP).

### **SPSAS on Ocean Interdisciplinary Research and Governance**

The SPSAS Ocean aims to contribute to the training of graduate students in the area of ocean science. Secondary goals of the school are to foster the exchange of knowledge from different disciplines and experiences; promote cultural exchanges among participants, SPSAS speakers and organizers, and facilitate the development of collaborative networks. An additional goal is to gather a critical mass of young scientists interested in ocean interdisciplinary research and governance to discuss scientific knowledge of relevance to society.

### **Background**

Given the complexity of current environmental challenges, such as climate change and biodiversity conservation and governance, the interdisciplinary approach to science has gained increased awareness and use in the global scientific community. In parallel, ocean sustainability is a topic of concern and often voiced in international fora. These discussions stress the need to promote ocean governance coupled with a greater understanding of oceanographic processes. Ocean science, however, is still fragmented and many scientists lack training to understand and apply interdisciplinary and integrated approaches to their research to support decision making. This lack of training has created a strong demand for the promotion of interdisciplinarity in ocean research and more effective collaboration among natural and social sciences, local knowledge, and public policies.

### **Goal**

To provide graduate students with advanced knowledge on interdisciplinary ocean research and integrated science and governance, including issues related to public policy. Participants will discuss relevant themes with renowned scientists in a multidisciplinary and multicultural context.

### **Program**

The course is organized around 3 major themes on ocean research:

- 1) Setting the context: theoretical and historical background;
- 2) Sharing the advances in oceans sciences: processes and connections;

### 3) Integrating science and public policies.

The 2-week course will include theoretical classes, work in groups, poster sessions, science-policy discussions, and a field trip to Baixada Santista, located in the central coast of the state of São Paulo.

The detailed program will be available on the course website at:

<http://spsas-ocean.io.usp.br/>

<http://www.iai.int/?p=30241>

#### Speakers

- Mr. Alan Simcock, Joint Coordinator of the United Nations Group of Experts of the Regular Process for the assessment of the state of the world's oceans, IOC/UNESCO;
- Dr. Alberto Piola, Research Director of the Departamento de Oceanografía del Servicio de Hidrografía Naval de la Argentina, Professor at Facultad de Ciencias Exactas y Naturales da Universidad de Buenos Aires (TBC);
- Dr. Angelo Fraga Bernardino, Associated Professor of the Universidade Federal do Espírito Santo, Brazil;
- Dr. Anne Langaas Gossé, senior consultant of the Norwegian Environment Agency;
- Dr. Anthony T. Charles, Professor of the Environmental Science Department and Sobey School of Business, Saint Mary's University; Director at the Community Conservation Research Network;
- Dr. Billiana Cicin-Sain, Director of the Gerard J. Mangone Center for Marine Policy, Professor of the College of Earth, Ocean and Environment, University of Delaware, USA (TBC);
- Dr. Cristiana Simão Seixas, Researcher of the Núcleo de Estudos e Pesquisas Ambientais da Universidade Estadual de Campinas, Brazil;
- Dr. Daniel Suman, Professor of the Department of Marine Ecosystems and Society, Rosenstiel School of Marine and Atmospheric Science, University of Miami, USA;
- Dr. Fabio Hissa Viera Hazin, Associated Professor of the Universidade Federal Rural de Pernambuco, Brazil;
- Dr. Frank Edgar Muller-Karger, Full Professor of the University of South Florida, USA;
- Dr. Luiz Drude de Lacerda, Full Professor of the Universidade Federal do Ceará, Brazil;
- Dr. Patrícia Ragii Abdallah, Associated Professor at the Universidade Federal do Rio Grande do Sul, Brazil (TBC);
- Dr. Pedro Jacobi, Full Professor of the School of Education and Graduate Program of Environmental Science at the Institute of Energy and Environment of the University of São Paulo and Head of Scientific Division of Management, Science and Environmental Technology at Institute of Energy and Environment of the University of São Paulo, Brazil;
- Dr. Tércio Ambrizzi, Full Professor at Institute of Astronomy, Geophysics and Atmospheric Sciences of the University of São Paulo and coordinator of the INterdisciplinary CLimate INvestigation cEnter (INCLINE) of the University of São Paulo;

- Dr. Wagner Menezes, Full Professor at the Curitiba Law School and Associated Professor at the University of São Paulo, Brazil (TBC).

### **Who can apply?**

This School is for graduate students, currently registered in Masters/MSc or Doctoral/PhD courses. We encourage applications from students from different academic disciplines (natural, social and human sciences, engineering, communication) provided their academic work and study is related to the themes of the school and related topics.

### **Application information**

APPLICATION DEADLINE: **15 March 2018**

APPLICATION FORM: [Apply here](#)

Applicants must:

- Complete the application form;
- Submit a brief CV (no more than 2 pages);
- Submit a reference letter from the thesis advisor indicating the expected benefits to the applicant's academic work and studies.

All material should be submitted in English. Incomplete applications or applications received after the deadline will not be considered.

Applicants must clearly state the reasons for their personal and academic interest in the school and why they should be selected as a participant.

Approximately 100 applicants, 50 from Brazil and 50 from other countries will be selected to participate in the Advanced School. Participants will be selected based on the merit of their application information, the relevance of the academic work and studies to the themes of the school. Field of study, gender and geographic representation and balance will also be considered. Applicants should receive notification from the organizing committee no later than **15 April 2018**.

The SPSAS Ocean will be conducted in English. Applicants must be proficient or have a sound understanding of the English language in order to understand, communicate, and participate actively in the School activities.

### **Financial support**

A limited number of travel grants is available for eligible participants who are selected to attend the School. If you need financial support, please indicate such need in the application form when required. If you are able to cover your travel costs, please let us know in the application form.

Financial support will be given based on the need of the applicant and merit of the application. Additional considerations will include geographic representation and gender balance. Priority may be given to applicants from less developed and emerging countries and countries at risk.

**Certificate**

Participants will receive a certificate from the Graduate Program in Oceanography of the Oceanographic Institute of the University of São Paulo (IO-USP) acknowledging their participation in the School, provided they attend all sessions of the program.

**Website of the School**

Information on the School is also available at the IOUSP and IAI websites at

<http://spsas-ocean.io.usp.br/>

<http://www.iai.int/?p=30241>

**Contact**

For additional information, please contact: [spsas\\_ocean@usp.br](mailto:spsas_ocean@usp.br)