



## WORKSHOP

### OXYGEN MINIMUM SYSTEMS IN THE OCEAN: DISTRIBUTION, DIVERSITY AND DYNAMICS

**OCTOBER 24 – 26, 2006**  
HOTEL EL ARAUCANO  
CONCEPCION, CHILE

The Faculty of Natural and Oceanographic Sciences, the Department of Oceanography, and the Center for Oceanographic Research in the eastern South Pacific (FONDAP-COPAS) of the University of Concepción, are pleased to announce the Workshop “*Oxygen minimum systems in the ocean: distribution, diversity and dynamics*”, to take place in Concepción, Chile, October 24-26, as an activity that will coincide with the 2006 SCOR (Scientific Committee on Oceanic Research) General Meeting.

The Workshop will bring together scientists and students from many countries into one meeting covering the following areas of oceanography related to oxygen minimum zones and oxygen-deficient waters: physical and chemical oceanography, biogeochemistry, ocean-atmosphere interactions, biology, biodiversity, ecology, paleoceanography, and anthropogenic influences.

**The Sponsors of this Workshop are looking forward to welcome you in Concepción!**

#### Structure of the Workshop

The Workshop will consist of invited lectures to be delivered during the first two days, and posters. Posters will be exhibited during the three days of the Workshop; brief poster presentations are scheduled for the last day of the Workshop.

#### Workshop Registration

##### Pre-Registration

Participants are advised to register in advance at reduced pre-registration rates by September 1<sup>st</sup> 2006. Pre-registration fees are:

Students	:	US\$ 50
Scientists	:	US\$ 100
Institutes, Centres & Companies	:	US\$ 200

## **On-Site Registration**

On-site registration will be possible at the Workshop. On site-registration fees are:

Students	:	US\$ 60
Scientists	:	US\$ 120
Institutes, Centres & Companies (General registration)	:	US\$ 250

Fees include a booklet with all abstracts, and a welcome reception on October 24<sup>th</sup> 2006.

## **Presentations**

### **Oral Presentations of Invited Speakers**

There will be a permanently installed desktop computer with projector at the Conference Hall. Invited speakers should bring their presentations on own data medium (CD – Pen Drive). Slide projectors and/or transparency/overhead projectors should be requested beforehand.

### **Poster Presentations and Poster Sessions**

The final day of the Workshop will be devoted to the brief presentation of posters and their discussion, in parallel sessions. For each poster one numbered poster board in portrait format will be reserved with a clear dimension of 150 cm (width) x 220 cm (height). All the material necessary for attaching the poster to the poster board will be available in the poster area.

We encourage the participation of students and young investigators in the poster session. A limited number of fellowships will be available for students and young investigators.

## **Abstracts**

The deadline for the submission of abstracts is **June 30, 2006**.

### ***Format for Abstracts***

- **Extended Abstracts** (for invited speakers only): 4-5 pages, including figures.
- **Poster Abstracts** (for all other participants): 1 page of text.

## INVITED SPEAKERS

### **Yrene M. Astor**

Fundación La Salle de Ciencias Naturales,  
Estación de Investigaciones Marinas, **Venezuela**

*Seasonal variability in the hydrochemical structure of the suboxic waters at the Cariaco Time-series station*

### **Kenneth W. Bruland**

University of California, Santa Cruz, **USA**

*A review of the chemistries of redox sensitive elements within suboxic zones of oxygen minimum systems*

<http://oceansci.ucsc.edu/faculty/bruland.html>

### **Tage Dalsgaard**

National Environmental Research Institute, **Denmark**

*Nitrogen cycling in suboxic water columns*

[http://www2.dmu.dk/1\\_Om\\_DMU/2\\_medarbejdere/cv/employee2\\_NH.asp?PersonID=TDA](http://www2.dmu.dk/1_Om_DMU/2_medarbejdere/cv/employee2_NH.asp?PersonID=TDA)

### **Rubén Escribano**

FONDAP-COPAS Center, Universidad de Concepción, **Chile**

*Zooplankton interactions with the oxygen minimum zone in the eastern South Pacific*

[http://copas.udec.cl/eng/copas/personnel/cv\\_researcher\\_personal.php?getby=id&value=9](http://copas.udec.cl/eng/copas/personnel/cv_researcher_personal.php?getby=id&value=9)

### **Víctor A. Gallardo**

FONDAP-COPAS Center, Universidad de Concepción, **Chile**

*The sediment microorganisms under the Oxygen Minimum Zone, present day analogs of Precambrian Oceans?*

[http://copas.udec.cl/eng/copas/personnel/cv\\_researcher\\_personal.php?getby=id&value=13](http://copas.udec.cl/eng/copas/personnel/cv_researcher_personal.php?getby=id&value=13)

### **Raja S. Ganeshram**

School of GeoSciences, University of Edinburgh, Scotland, **United Kingdom**

*Paleoceanography of oceanic oxygen deficient zones*

<http://www.geos.ed.ac.uk/people/person.html?indv=462>

### **Humberto González**

FONDAP-COPAS Center, Universidad de Concepción, **Chile**

*Downward fluxes of particulate organic matter in coastal and oceanic areas off Chile: the role of the OMZ and functional groups of the plankton*

[http://copas.udec.cl/eng/copas/personnel/cv\\_researcher\\_personal.php?getby=id&value=11](http://copas.udec.cl/eng/copas/personnel/cv_researcher_personal.php?getby=id&value=11)

### **Dimitri Gutiérrez**

Instituto del Mar del Perú, IMARPE, **Perú**

*Oxygen deficiency, sedimentary environments and benthic communities in the Peruvian upper continental margin*

**Richard J. Matear**

CSIRO Division of Marine Research, Hobart, **Australia**

*New global warming projections of changes in dissolved oxygen concentrations in low oxygen regions of the oceans*

<http://www.marine.csiro.au/~matear/>

**Syed Wajih Ahmad Naqvi**

National Institute of Oceanography, **India**

*Oxygen deficiency in the North Indian Ocean*

<http://www.nio.org/jsp/ResearchersDisplay.jsp?pubkey=Naqvi,%20S.W.A.>

**Temel Oguz**

Middle East Technical University, **Turkey**

*Mechanisms controlling the Suboxic Layer of the Black Sea: Observations and Modeling*

<http://www.ims.metu.edu.tr/cv/oguz/main.html>

**Silvio Pantoja**

FONDAP-COPAS Center, Universidad de Concepción, **Chile**

*Biogeochemistry of the OMZ off Chile*

[http://copas.udec.cl/eng/copas/personnel/cv\\_researcher\\_personal.php?getby=id&value=6](http://copas.udec.cl/eng/copas/personnel/cv_researcher_personal.php?getby=id&value=6)

**Renato Quiñones**

FONDAP-COPAS Center, Universidad de Concepción, **Chile**

*Living in the oxygen minimum zone: a metabolic perspective*

[http://copas.udec.cl/eng/copas/personnel/cv\\_researcher\\_personal.php?getby=id&value=4](http://copas.udec.cl/eng/copas/personnel/cv_researcher_personal.php?getby=id&value=4)

**Nancy N. Rabalais**

Louisiana Universities Marine Consortium, Louisiana, **USA**

*Oxygen Depletion in the Gulf of Mexico Adjacent to the Mississippi River*

<http://www.lumcon.edu/research/faculty/faculty.asp?name=nrabalais>

**Wolfgang Schneider**

FONDAP-COPAS Center, Universidad de Concepción, **Chile**

*Vertical and horizontal extension of the oxygen minimum zone in the eastern South Pacific Ocean*

[http://copas.udec.cl/eng/copas/personnel/cv\\_researcher\\_personal.php?getby=id&value=14](http://copas.udec.cl/eng/copas/personnel/cv_researcher_personal.php?getby=id&value=14)

**Mary I. Scranton**

Stony Brook University, New York, **USA**

*The biogeochemistry of the suboxic and anoxic zones in the Cariaco Basin*

<http://www.msrc.sunysb.edu/people/scranton.htm>

**Oswaldo Ulloa**

FONDAP-COPAS Center, Universidad de Concepción, **Chile**

*Microbial communities and their biogeochemical role in the water column of the oxygen minimum zone in the eastern South Pacific*

[http://copas.udec.cl/eng/copas/personnel/cv\\_researcher\\_personal.php?getby=id&value=7](http://copas.udec.cl/eng/copas/personnel/cv_researcher_personal.php?getby=id&value=7)

**Workshop Coordinator:** Dr. Víctor A. Gallardo ([vagallar@udec.cl](mailto:vagallar@udec.cl); [vgallardo@coreocean.org](mailto:vgallardo@coreocean.org))

**Coordinator at large:** Dr. John W. Farrington, Woods Hole Oceanographic Institution Woods Hole, Mass., USA

**English is the official language of the Workshop**

**Contact:** Mónica Sorondo: [monicaso@vtr.net](mailto:monicaso@vtr.net);  
[monica.sorondo@gmail.com](mailto:monica.sorondo@gmail.com)

**Links:** <http://www.cona.cl/scor/oms.htm>  
<http://www.copas.udec.cl>

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