



## **The 2nd Workshop on Marginal Seas in Change – The East Sea and the Mediterranean Sea**

Similarities in oceanographic characteristics between the East Sea (Sea of Japan) and the Mediterranean Sea have been recognized since the early 1990s. Both seas are marginal seas in the world that form intermediate and deep waters as a result of convection during winter cold-air outbreaks. The similarities have mainly attracted physical oceanographers, while comparisons of marine ecosystem and biogeochemical aspects are scarce. Rapid climate variability and change in the seas in both physical and biogeochemical properties as compared with those in the open oceans are compelling. The 1<sup>st</sup> workshop on the East Sea and the Mediterranean Sea was held in Seoul, Korea in 2012 with the aim to provide better understanding of oceanography of both seas and the insight the way how to tackle specific problems.

We are happy to announce the 2<sup>nd</sup> workshop to take place in Busan, Korea. On-going programs and major research projects in both seas will be introduced followed by presentations on the review and overview of the regional characteristics including physical, biogeochemical, and fisheries oceanography. A wrap-up on the synthesis of similarities and differences and discussion on the future cooperation will conclude the workshop.

**Dates:** September 24-26, 2014

**Venue:** Paradise Hotel, Busan, Korea

**Conveners:** Kyung-Il Chang (SNU), Tongsup Lee (PNU), Chul Park (CNU), Dong Jin Kang (KIOST), Vanessa Cardin (OGS), Laurent Coppola (CNRS-UPMC)

**Sponsors:**

The Korean Society of Oceanography; Seoul National University (EAST-I)

**Submission of extended abstract:** All invited speakers are asked to submit extended abstracts of about 5-7 pages long including figures until August 31<sup>th</sup> to [kichang@snu.ac.kr](mailto:kichang@snu.ac.kr), [Vanessa Cardin <vcardin@ogs.trieste.it>](mailto:Vanessa Cardin <vcardin@ogs.trieste.it>), [Laurent Coppola <coppola@obs-vlfr.fr>](mailto:Laurent Coppola <coppola@obs-vlfr.fr>).

## HOTEL INFORMATION/LOCATION

- Paradise Hotel Busan** (<http://www.busanparadisehotel.co.kr>)



**Address : 1408-5, Jung-Dong, Haeudaegu, Busan,  
Korea  
Tel : 82-51-742-2121**

### **From GIMHAE International Airport** (<http://www.airport.co.kr/mbs/gimhae>)

- Limousine Bus (Haeundae Line No.1)

First Bus 07:15 | Last Bus 21:40 | Allocation Interval 30min, Cost: Adult 7,000KRW  
Gimhae Airport -> Domestic -> Suyoung Crossroad -> Centum City Station -> BEXCO  
-> marina -> Hanwha Resort -> Modern hayion Hyperion intersection -> Westin Chosun  
Busan -> Haeundae Grand Hotel -> Novotel Ambassador -> **Paradise Hotel Busan**

- Limousine Bus (Haeundae Line No.2)

First Bus 06:45 | Last Bus 21:45 | Allocation Interval 25min, Cost: Adult 7,000KRW  
Gimhae Airport -> Domestic -> Hair Beach Apartments -> Haeundae Centum Hotel ->  
BEXCO -> yangun High School -> Datong Town -> East Apartments -> buheunggo  
Haeundae Paik -> Jangsan Station -> Novotel Ambassador -> **Paradise Hotel Busan**

- Taxi

General 30,000KRW, Black Cab 45,000KRW or less (Approx. 40 mins)

# Program

## September 24 (Wednesday), 2014

- 09:00-09:30    **Registration**  
09:30-09:50    **Welcoming address**

### **I. Introductory Session – European and Korean Projects and Networks**

- 10:00-10:30    Wrap-up of the last Congress: L. Coppola  
10:30-11:00    Perseus: J. Tintore  
11:30-12:00    MedSeA: P. Ziveri  
  
12:00-13:30    *Lunch Break*  
  
13:30-14:00    Coastal and Open Sea Infrastructures (Jerico+FixO3): V. Cardin  
14:00-14:30    EuroArgo: J. Tintore  
14:30-15:30    EMSO + EuroFleets: F. Grant  
15:30-16:00    CIESM Initiatives: M. Gačić  
16:00-16:30    *Coffee/Tea Break*  
16:30-17:00    CREAMS & EAST-I: K.R. Kim  
17:00-17:30    KLTMER: C.K. Kang  
17:30-18:00    NFRDI SOOS:

## September 25 (Thursday), 2014

### **II. Session on Circulation Processes – temporal and spatial variability**

- 09:00-09:30    Review and overview of the circulation in the Mediterranean Sea: M. Gačić  
09:30-10:00    Long-term variations of the Mediterranean Sea system: V. Cardin

- 10:00-10:30 Review and overview of the circulation in the East Sea: K.I. Chang  
10:30-11:00 Long-term variability of physical properties in the East Sea: H. Na  
11:00-11:20 *Coffee/Tea Break*

### **III. Session on Ecosystem dynamics, Material cycle and acidification**

- 11:20-11:50 Carbon cycle in the Mediterranean Sea: T. Tanhua  
11:50-12:20 Impacts of ocean acidification and climate change on marine calcifying planktonic organisms: P.Ziveri  
  
12:20-14:00 *Lunch Break*  
  
14:00-14:30 Impacts of physical forcing on biogeochemical budget: L.Coppola  
14:30-15:00 Plankton dynamics in the open Mediterranean Sea: M.G. Mazzocchi  
15:00-15:30 Changes in biogeochemical properties in the East Sea: D.J. Kang  
15:30-16:00 Carbon cycling in the East Sea: T. Lee  
16:00-16:30 *Coffee/Tea Break*  
16:30-17:00 Phytoplankton and primary production in the East Sea: S.H. Lee  
17:00-17:30 Microbial ecology in the southwestern East Sea: J.H. Hyun  
17:30-18:00 Food-web dynamics in the East Sea: C.K. Kang  
18:00-18:30 Physical-biological coupling in the East Sea: K.I. Chang

### **September 26 (Friday), 2014**

#### **IV. Session on Fisheries**

- 09:00-09:30 Mediterranean fishery management: S. Deudero  
09:30-10:00 Mediterranean fishery resources: J. Dulčić  
10:00-10:30 The East Sea fishery resources and management: S. Kim/C.I. Zhang  
10:30-11:00 *Coffee/Tea Break*

#### **V. Round Table Discussion & Wrap-up (11:00- )**