



# **GU8 Scoping Workshop on Ocean Sciences & Marine Biotechnology**

**Xiamen University**

**September 9-11, 2012**

**Sponsored and Organized by**



厦门大学海洋与地球学院

College of Ocean & Earth Sciences, Xiamen University



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)

# Introduction

The Global U8 Consortium is a global university consortium comprising several coastal universities such as Inha University, University of Haifa, University of Hull, University of Le Havre and Xiamen University. This consortium's purpose is to meet a growing demand for: cross-cultural education through student exchange and the adoption of a common curricula; a response to new challenges posed by the need for Global Logistics, Business Administration, Marine Affairs, and Advanced Technologies as well as interdisciplinary activities by conducting joint-research and expanding outreach programs; and the need to strengthen global cooperation among university administrations.

To share common interests in Ocean Sciences and to explore cooperative ways in supporting future research and education activities among GU8 members, we initiate this scoping workshop. The workshop will be composed of:

- (1) Ocean sciences cooperating and networking.
- (2) Research on marine biology & biotechnology.

# Agenda

## September 8, Saturday

- Arrival            **Airport pick-up & Hotel check-in**  
19:00            **Welcome Dinner at Tegoo Hotel**

## September 9, Sunday

- 07:30-08:30    **Breakfast at Tegoo Hotel**  
08:30            **Pick-up from Lobby of Tegoo Hotel**  
08:50            **Arrive at Zeng Cheng Kui Building, Xiamen University**  
09:00-09:10    **Welcome and Introduction**

### **THEME I: Ocean Sciences Cooperating & Networking**

Chair: Minhan DAI

- 09:10-09:30    **Ocean Sciences Research and Education in Xiamen University**  
Minhan DAI, Xiamen University
- 09:30-09:50    **Ocean Sciences Research and Education in University of Haifa**  
Dror ANGEL, University of Haifa
- 09:50-10:10    **Ocean Sciences Research and Education in Inha University**  
Choul-Gyun LEE, Inha University
- 10:10-10:30    **Ocean Sciences Research and Education in University of Le Havre**  
Christophe MINIER, University of Le Havre
- 10:30-10:50    **Group Photo & Coffee Break**
- 10:50 -11:10    **Ocean Sciences Research and Education in University of Hull**  
Christophe MINIER, University of Le Havre  
(Representative for Jeanette Rotchell, University of Hull)
- 11:10 -11:30    **MMA Development: from GU8 to Global**  
Xiongzhi XUE, Xiamen University
- 11:30 -11:50    **Carbon Biogeochemistry in China Seas**  
Minhan DAI, Xiamen University

11:50 -12:10 **The Eastern Mediterranean as a Natural Laboratory to Understand a P  
Limited Biogeochemical Cycles in the Ocean**

Michael D. KROM, University of Haifa

12:10-12:40 **Discussion on Ocean Sciences Cooperating & Networking**

12:40-13:30 **On-site Lunch**

## **THEME II: Marine Biology & Biotechnology**

Chair: Kejian WANG

Presentations (20min talk and 5min Q &A for each):

13:30-13:55 **What Happens When Jellyfish Blooms and Marine Aquaculture Coincide?**

Dror ANGEL, University of Haifa

13:55-14:20 **Physiological Response of Marine Primary Producers to Ocean  
Acidification and UV Radiation**

Kunshan GAO, Xiamen University

14:20-14:45 **Phytoplankton Community Structure in China Seas**

Bangqin HUANG, Xiamen University

14:45-15:10 **The Microbial Carbon Pump (MCP) for Carbon Sequestration in the  
Ocean**

Nianzhi JIAO, Xiamen University

15: 10-15:30 **Coffee Break**

15:30-15:55 **Photosynthetic Marine Biomass for Sustainable Green Energy**

Choul-Gyun LEE, Inha University

15:55 -16:20 **Determination of Pertinent Indicators for Environmental Biomonitoring**

Christophe MINIER, University of Le Havre

16:20-16:45 **Immunomodulation of Marine Animals upon Exposure to BaP and 17 $\beta$ -  
Estradiol**

Kejian WANG, Xiamen University

17:00-18:00 **Campus Tour**

18:00 **Dinner**

### September 10, Monday

#### 09:00-11:30 **Lab Tour & Discussion with Individual Scientists/Groups**

Group 1	Venue	Room B-214, Zeng Cheng Kui Building
	Participants	Dror ANGEL, Huasheng HONG, Bangqin HUANG, Michael D. KROM, Benrong PENG, Xiongzhi XUE, Weiwei YOU
Group 2	Venue	Room B-401, Zeng Cheng Kui Building
	Participants	Nianzhi JIAO, Choul-Gyun LEE, Kai TANG, Rui ZHANG, Yao ZHANG
Group 3	Venue	Room B-222 & B-606, Zeng Cheng Kui Building
	Participants	Kunshan GAO, Christophe MINIER, Kejian WANG

12:00-13:00 **Lunch**

#### 14:00-15:30 **Round-table Discussion I**

Each university presents areas of common interests and discuss about the ways of cooperation. The purpose of this discussion is to draft a proposal for research collaboration and implementation .

15:30-15:50 **Coffee Break**

#### 15:50-17:00 **Round-table Discussion II**

18:00 **Dinner**

### September 11, Tuesday

**Tour to Piano Island (Optional)**

**Departure**

## Local Information

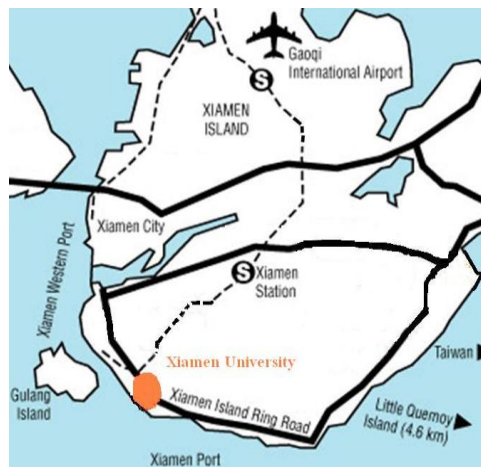
### About Xiamen

Known as the “Garden on the Sea”, Xiamen Island is located on the southeast coastline of China, with unique culture and beautiful scenery.

### Weather

Xiamen is a subtropical coastal city. The temperature in early September is between 24-32 °C, with an average of 27 °C.

You are recommended to wear summer dress.



### Map of Xiamen

Xiamen weather forecast:

<http://www.travelchinaguide.com/climate/xiamen.htm>

### Workshop Venue

The workshop will take place in the Zeng Cheng Kui Building (Ocean Building)”, at College of Ocean & Earth Sciences, Xiamen University.



Zeng Cheng Kui Building

### Tegoo Hotel

Address: No.2, Zhenhai Road, Siming District, Xiamen

Phone: +86-592-333777

### Secretariat

Ms. Sissi Ren Email: [sissiren@xmu.edu](mailto:sissiren@xmu.edu) Phone: 86-592-2182374, 13616027717

Ms. Vera Shi Email: [vera\\_shiwei@xmu.edu.cn](mailto:vera_shiwei@xmu.edu.cn) Phone: 86-592-2186039, 13950003935

# List of Participants

**Dr. Dror ANGEL** [adror@research.haifa.ac.il](mailto:adror@research.haifa.ac.il)

Department of Maritime Civilizations, The Leon H. Charney School of Marine Sciences,  
University of Haifa

**Dr. Minhan DAI** [mdai@xmu.edu.cn](mailto:mdai@xmu.edu.cn)

Professor & Dean, College of Ocean and Earth Sciences; Director, State Key Laboratory of  
Marine Environmental Science, Xiamen University

**Dr. Kunshan GAO** [ksgao@xmu.edu.cn](mailto:ksgao@xmu.edu.cn)

Professor, College of Ocean and Earth Sciences, State Key Laboratory of Marine  
Environmental Science, Xiamen University

**Dr. Huasheng HONG** [hshong@xmu.edu.cn](mailto:hshong@xmu.edu.cn)

Professor, Coastal and Ocean Management Institute (COMI), State Key Laboratory of  
Marine Environmental Science, College of Environmental and Ecology, Xiamen University

**Dr. Bangqin HUANG** [bqhuang@xmu.edu.cn](mailto:bqhuang@xmu.edu.cn)

Professor & Deputy Dean, College of Environmental and Ecology, State Key Laboratory of  
Marine Environmental Science, Xiamen University

**Dr. Nianzhi JIAO** [jiao@xmu.edu.cn](mailto:jiao@xmu.edu.cn)

Academician of CAS, Professor, College of Ocean and Earth Sciences, State Key Laboratory  
of Marine Environmental Science, Xiamen University

**Dr. Michael D. KROM** [m.d.krom@leeds.ac.uk](mailto:m.d.krom@leeds.ac.uk)

Professor, Department of Marine Geosciences, The Leon H. Charney School of Marine  
Sciences, University of Haifa

**Dr. Choul-Gyun LEE** [leecg@inha.ac.kr](mailto:leecg@inha.ac.kr)

Professor, Department of Biological Engineering, College of Engineering; Director, Institute  
of Industrial Biotechnology; Director, National Marine Bioenergy R&D Consortium, Inha  
University

**Dr. Christophe MINIER** [minier@univ-lehavre.fr](mailto:minier@univ-lehavre.fr)

Professor & Director, Laboratory of Ecotoxicology - Aquatic Environments (LEMA),  
University of Le Havre

**Dr. Benrong PENG** [brpeng@xmu.edu.cn](mailto:brpeng@xmu.edu.cn)

Associate Professor, Costal and Ocean Management Institute (COMI), College of Environmental and Ecology, Xiamen University

**Dr. Kai TANG** [tangkai@xmu.edu.cn](mailto:tangkai@xmu.edu.cn)

Associate Professor, College of Ocean and Earth Sciences, State Key Laboratory of Marine Environmental Science, Xiamen University

**Dr. Kejian WANG** [wkjian@xmu.edu.cn](mailto:wkjian@xmu.edu.cn)

Professor, College of Ocean and Earth Sciences, State Key Laboratory of Marine Environmental Science, Xiamen University

**Dr. Xiongzhi XUE** [xzxue@xmu.edu.cn](mailto:xzxue@xmu.edu.cn)

Executive Director, Costal and Ocean Management Institute (COMI); Professor, College of Environmental and Ecology, Xiamen University

**Dr. Weiwei YOU** [wyyou@xmu.edu.cn](mailto:wyyou@xmu.edu.cn)

Assistant Professor, College of Ocean and Earth Sciences, State Key Laboratory of Marine Environmental Science, Xiamen University

**Dr. Rui ZHANG** [ruizhang@xmu.edu.cn](mailto:ruizhang@xmu.edu.cn)

Associate Professor, College of Ocean and Earth Sciences, State Key Laboratory of Marine Environmental Science, Xiamen University

**Dr. Yao ZHANG** [yaozhang@xmu.edu.cn](mailto:yaozhang@xmu.edu.cn)

Associate Professor, College of Ocean and Earth Sciences, State Key Laboratory of Marine Environmental Science, Xiamen University