



European Master of Science in Marine Environment and Resources

SOTON, UPV/EHU, UBx1, AZTI, OFG - 2006-2007

JOINT EUROPEAN POSTGRADUATE STUDIES

Ref. MO2006-00744

1st INTERNATIONAL POSTGRADUATE COURSE

RESEARCH IN MARINE ENVIRONMENT AND RESOURCES (4,5 ECTS)

JANUARY 31- FEBRUARY 9 2007, AQUARIUM, Donostia-San Sebastian.

Organized by: MER Master (POP MAR*, UPV/EHU)

MER Consortium, Dept Zoology and Cell Biology, Fac Science and Technology, Univ Basque Country, Bilbo

Coordinators:

Dr Adolfo Uriarte, AZTI-Tecnalia (Pasaia)

Dr Ionan Marigómez, Dept Zoology and Cell Biology, UPV/EHU (Leioa)

Additional information:

MER SECRETARIAT

Department of Zoology and Cell Biology

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[www:http://www.ehu.es/MER](http://www.ehu.es/MER)

* and Master Course "Research in Marine Environment and Resources" (4,5 ECTS) (www.ehu.es/MER)

Supporting Institutions:

- University of the Basque Country (Vicerrect Graduate & Postgraduate Studies)
- Basque Government: Education, Universities & Research Dept (teaching staff mobility prog)
- Ministry of Education and Science (teaching staff mobility prog)

*** POP Mención De Calidad MEC 2006-2007**

Introduction

The International Postgraduate Course (4,5 ECTS) will take place for 10 days between **January 31- February 8 2007** in the facilities of the Oceanographic Foundation of Gipuzkoa (FOG, Aquarium San Sebastian) and will consist of lectures, workshops, round tables and practicals.

Lectures (30 hours) and 15 additional teaching hours (practicals, workshops, round tables, ...) have been planned (45 hours in total). All lectures will be held in English. The course is directed to postgraduate or PhD students aiming to become specialized in the field of marine environment and resources.

Participants will receive a certificate with indication of lectures and practicals attended.

Registration

Students not registered in the MER Master may register in this course. The **registration fee is 150 €** and includes attendance to all teaching activities and course documentation.

For registration, participants should fill in the registration form and send it to MER Secretariat **before the 15th January 2007**, together with a bank check payable to "RIMER Course – MER CONSORTIUM". All participants will receive a receipt of payment and notification of acceptance in the course.

Grants

A limited number of grants covering the registration fee are offered by the MER CONSORTIUM. Students wishing to be elected must indicate it in the registration form. Those students receiving a grant will be refunded during the course.

Accommodation:

Participants wishing to get accommodation in San Sebastian in a student residence (50 €/day breakfast incl.) should contact preferably by email:

Mrs Arantza Lores
(eventos@aquariumss.com)

AQUARIUM SS
Carlos Blasco de Imaz Plz. 1
20003 Donostia – San Sebastián
Tlf. (34) 943 440099
Fax: 943 433554

PRELIMINARY PROGRAMME (might be subjected to some few changes)

JANUARY 31st WEDNESDAY: PAST PRESENT AND FUTURE OF RiMER

10:00-10:30; "Welcome and General Introductory Remarks." V Zaragüeta (Aquarium SS-FOG), A Uriarte (AZTI-Tecnalia), I Marigómez (Univ. Basque Country)

10:30-11:00; "Oceanographical Research the Univ. of Southampton " M Collins (Univ. Southampton)

11:00-11:30; "Research in Marine Science in the Univ. of Bordeaux 1" P Lecostumer (Univ. Bordeaux 1)

12:00-12:30; "Research Activities in AZTI-Tecnalia" A Uriarte (AZTI-Tecnalia)

12:30-13:00; "Research in MER in Univ. Basque Country" I Marigómez (Univ. Basque Country)

13:00-14:00; "Marine Research Policy in the Spanish Research System " B Morales-Nin (Spanish Min. Educ. & Sci.)

14:00-15:00; Welcome reception at the Aquarium

16:00-18:00; "Research Activities in the Aquarium SS + Visit inside the Aquarium" A Martínez de Murgía (Aquarium SS-FOG)

FEBRUARY 1st THURSDAY: PAST PRESENT AND FUTURE OF RiMER

09:30-10:20; "International Organisations to Support Marine Science and Management and Marine Environmental Monitoring (ICES; OSPAR)" K Hylland (NIVA, Oslo)

10:30-11:20; "ERANET: Towards a Common European Research Space in the Field of Marine Sciences" B Morales-Nin (Spanish Min. Educ. & Sci.)

11:40-12:30; "Towards an Oceanographic Pole in Biscay Bay" A Boudou (Univ. Bordeaux 1 – President-)

12:40-13:30; "Marine Science Networking" B Morales-Nin (Spanish Min. Educ. & Sci.)

15:30-16:20; "European Marine Strategy" A Uriarte (AZTI-tecnalia)

16:30-18:00; Round table: "Past, Present and Future of Marine Research" KH, ABd, AU, B M-N (Chair)

FEBRUARY 2nd FRIDAY: MARINE POLLUTION ASSESSMENT

09:30-10:20; "Trace element transfer at the continent-ocean interface" J Schäfer (Univ. Bordeaux 1)

10:30-11:20; "Integration of Chemistry and Biology in Pollution Monitoring" K Hylland (NIVA, Oslo)

11:40-12:30; "Biomarkers in Marine Ecosystem Health Assessment" MP Cajaraville (Univ. Basque Country)

12:40-13:30; "Contaminant Effects in Pelagic Ecosystems" K Hylland (NIVA, Oslo)

15:30-16:20; "Sedimentary Record of Pollution and Human Impact on the Coast" A Cearreta (Univ. Basque Country)

16:30-18:00; Round table: "Prospects in Marine Pollution Assessment " K Hylland, J Schäfer, A Cearreta, MP Cajaraville (Chair)

20:30-24:00; Cyder house course dinner

FEBRUARY 5th MONDAY: GLOBAL CLIMATE AND ECOLOGICAL CHANGES

09:30-10:20; "Ecological Responses to Past Climatic Changes" MF Sánchez-Goñi (Univ. Bordeaux 1)

10:30-11:20; "Lessons from the past: the Paleocene Eocene Thermal Maximum crisis" T Correge (Univ. Bordeaux 1)

11:40-12:30; "The Impact of Vegetation Changes on Climate" MF Sánchez-Goñi (Univ. Bordeaux 1)

12:40-13:30; "Tropical Climate Variability from the Chemical Analysis of Coral Skeletons" T Correge (Univ. Bordeaux 1)

15:30-16:20; "Coccolithophore Production in the Oceans" P Holligan (Univ. Southampton)

16:30-18:00; Practical Workshop: "Fossil Records of Climate Change" T Correge & MF Sánchez-Goñi (Univ. Bordeaux 1)

FEBRUARY 6th TUESDAY: GLOBAL CLIMATE AND ECOLOGICAL CHANGES

- 09:30-10:20; "Remote sensing in Oceanography Research" I Robinson (Univ. Southampton)
10:30-11:20; "Decadal modulation of El Niño Southern Oscillation (ENSO) through time" T Correge (Univ. Bordeaux 1)
- 11:40-12:30; "Ecological change in the shelf seas of NW Europe" P Holligan (Univ. Southampton)
12:40-14:00; Round table: "Challenges of Global Climate Change to Marine Life and Bioresources" T Correge, I Robinson, P Holligan, X Irigoien, MF Sánchez-Goñi (Chair)
- 16:00-18:00; Practical Workshop: "An approach to Modelling in System Biology." A Rallo, A Antón (Univ. Basque Country)

FEBRUARY 7th WEDNESDAY: MARINE RESOURCES AND FISHERIES

- 09:30-10:20; "Fisheries and climate change" X Irigoien (AZTI-Tecnalia)
10:30-11:20; "The biology of equatorial upwelling in the Atlantic" P Holligan (Univ. Southampton)
- 11:40-12:30; "Marine Secondary production in Biscay Bay" X Irigoien (AZTI-Tecnalia)
12:40-13:30; "Fisheries management in the Bay of Biscay" L Motos (AZTI-Tecnalia)
- 15:30-17:20; Workshop: "Sea resources management: how to proceed regarding environment protection and sustainable development " P Lecostumer (Univ. Bordeaux 1)
- 17:30-18:30; Round table: "Future of Fisheries in Biscay Bay" P Holligan, L Motos, P Lecostumer, X Irigoien (Chair)

FEBRUARY 8th THURSDAY: COASTAL MANAGEMENT

- 09:30-10:20; "Hazards in-from the Ocean" J-L Schneider (Univ-Bordeaux1)
10:30-11:20; "Relevance of Sediment Dynamics in Coastal Management " M Collins (Univ. Southampton)
- 11:40-12:30; "Technologies for Coastal Management " I Losada (Univ. Cantabria)
12:40-13:30; "Modelling fine sediment transport in estuaries" A Sottolichio (Univ. Bordeaux 1)
- 15:30-16:20; "Sustainable Management of Sediments in Harbours" O Nieto (Univ Vigo)
16:30-17:20; "Integrative Ecological Status Assessment in Implementing the European Water Framework Directive: the example of the Basque Coast" A Borja (AZTI-Tecnalia)

FEBRUARY 9th FRIDAY: MER & SOCIETY

- 09:30-10:20; "Ecology and culture: gender construction in oceanic societies" MT del Valle (Univ. Basque Country)
10:30-11:20; "Land Ordenation in Biosphere Reserves " M Onaindia (Univ. Basque Country)
- 11:40-14:00; Open workshop: "*Waterworld*, cinema+discussion session: the Fate of Marine Environment and Resources Revisited" E Angulo (Univ. Basque Country), A Uriarte (AZTI-Tecnalia)
- 16:00-18:30; Workshop: "Presentation of MER Thesis Research project proposals"
18:30-19:30; "Closing ceremony" JI Pérez-Iglesias (U Basque Country – Rector-), MER Consortium Joint Programme Board



JANUARY 31-FEBRUARY 8 2007, AQUARIUM SS - FOG



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JOINT EUROPEAN POSTGRADUATE STUDIES

Registration form: RiMER Course 2007 (MER CONSORTIUM, UPV/EHU)

Surname.....

Name.....

Title.....

Postal address.....
.....

Postal code.....City/Town.....Country.....

Telephone.....

Fax.....

e-mail.....

I wish to be elected for a grant: YES NO

I need accommodation in the student's residence: YES NO

SIGNATURE:

PLACE AND DATE:

Completed and signed this form should be submitted to MER SECRETARIAT*, **before January 15th 2007** together with a **bank check** (150 €) for "RiMER Course, MER CONSORTIUM (UPV/EHU)".

MER SECRETARIAT
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