



Gislands 2010 - International Summer School 2010 on Geotechnologies applied to Marine Spatial Planning

Ponta Delgada, Azores Islands, Portugal: 7 - 12 August 2010

Official Website: <http://www.gislands.org/>

Call for Participation - Deadline: April 4th 2010

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1. Gislands 2010: Why?

With limited space and quantity in ocean resources, increased pressure on the marine environment has led to competing conflicts among users, and more significantly conflicts between users and the environment. The need to manage human activities and conflicts in the ocean to minimize their impacts on the marine ecosystem, as well as the place-based characteristic of ecosystems, and spatial and temporal development of ocean resources demonstrate the need to analyze the system from a spatial and temporal perspective. Defined by UNESCO, Marine Spatial Planning (MSP) is “a way of improving decision making and delivering an ecosystem-based approach to managing human activities in the marine environment”. Geotechnologies, with the ability to provide decision makers with spatial and temporal analyses on the coastal and marine environments, human activities and the overlapping uses of ocean spaces, are essential to the development of a comprehensive MSP. Geotechnologies are revolutionizing the management of marine resources. What used to be hidden or inaccessible via traditional methods are now made available through remote sensing, tracking technologies and global positioning systems. These technologies enable the mapping and documentation of ecosystem characteristics for each location such as marine habitats, types of species, living and mineral resources, sea bottom morphology, and environmental condition. The capability of superimposing and analyzing these new data for each location and among various locations ensures a greater alignment with the ecosystem-based approach, which is defined as the overarching principle by the European Commission.

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GIslands 2010 is an International Summer School on Geotechnologies applied to Marine Spatial Planning (MSP) funded by Science, Technology and Equipment Secretary of the Azores Regional Government, and organized by the Geographical Information & Territorial Planning Centre (CIGPT) at University of the Azores situated in the beautiful Azores Archipelago in North Atlantic. In this 6-day course, lecturers will share their experiences with the students, and all students will present their MSP related research and also learn through theories and hands-on experiences on how to apply Geotechnologies on MSP.

GIslands 2010 Summer School will provide students with:

- An interesting 6-day course to learn about application of Geotechnologies applied to Marine Spatial Planning (MSP) with experienced lecturers;
- The opportunity to network and exchange knowledge among students in the related fields of MSP and applied Geotechnologies;
- The opportunity to publish original papers in ACOREANA Scientific Journal "Special Issue on Marine Spatial Planning";
- The opportunity to win the 1st GIslands 2010 award;
- A field trip around beautiful São Miguel Island to learn about the history, culture, geology, stunning coasts and diverse marine environment of the Azores.

2. Important Dates

Deadline for Submission of Short Paper	April 4th 2010
Notification of Short Paper Acceptance + Participation in GIslands 2010 Invitation	May 7th 2010
Confirmation of Participation in GIslands 2010 (from participants)	May 14th 2010
Summer School	August 7th to 12 th 2010

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3. Lecturers & Scientific Committee

GIslands 2010 Summer School has selected a diverse and multinational team of lecturers from Spain, Germany, United Kingdom, USA and Portugal, with significant experiences in MSP, Integrated Coastal Zone Management (ICZM), GIS, Remote Sensing, Environmental Modelling and Spatial Data Infrastructure.

Helena Calado (Chairperson) - University of the Azores, Portugal

David Johnson - OSPAR Commission, UK

Rui Pedro Julião - Portuguese Geographical Institute, Portugal

Peter August - University of Rhode Island, USA

Fatima Navas - Pablo de Olavide University of Seville, Spain

Ana Martins - University of the Azores, Portugal

Agustín Lobo - Autonomous University of Barcelona, Spain

Nicole Schaefer- European Commission, DG Maritime Affairs & Fisheries, Germany

Fátima Alves - University of Aveiro, Portugal

Artur Gil - University of the Azores, Portugal

4. Participants

The official language of the Summer School is English. **No participation fees will be charged. Participants are expected to finance their own travel and accommodation expenses.**

GIslands 2010 is open to local and international students (at MSc, PhD or Post-Doctorate levels) or professionals in the related fields of Marine & Coastal Sciences (MSP, Ocean Governance, Oceanography, Marine Biology, Marine Geology, ICZM, etc.) and Applied Geotechnologies (GIS, Remote Sensing, GPS).

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MSc and PhD students are particularly encouraged to submit their work/case-study and to apply for GIslands 2010 participation. Applicants will be evaluated based on:

A. Submitted short paper - Please consult the [Paper Submission](#) guidelines and download the [Microsoft Word Template](#). **All submitted short papers will be peer-reviewed by the Scientific Committee, and only the 30 best articles authors will be invited to participate in GIslands 2010.** If they accept the invitation, their work will be published in the ACOREANA "Special Issue on Marine Spatial Planning". ACOREANA is the scientific journal of "Afonso Chaves Scientific Society - Azorean Studies Association". It publishes works devoted mainly to the related areas of natural history of the Azores and Macaronesian Islands. ACOREANA is indexed by BIOSIS, sent to Zoological Record, and distributed via exchange to libraries throughout the world.

B. CV - Please submit a Short CV (2 pages max. – A4 format).

C. Letter of Recommendation - Please submit a Letter of Recommendation from your professor, supervisor or organization.

D. Statement of Objective - Please submit a maximum 1-page (A4 format) Statement of Objective describing your reasons for applying to GIslands 2010 Summer School, research and study interests, and other aspects of your background and interests which may aid the GIslands Committee in evaluating your application.

5. Topics for Short Papers

Topics that fall within the scope of short papers include:

Marine Spatial Planning | Ocean Governance | Climate Change Impacts Assessment and Adaptation | Maritime Security | Marine Pollution Assessment and Monitoring | Marine Resources Assessment and Monitoring | Water quality monitoring | Sea state monitoring | Ship detection | Off-shore Energy and Communications Infrastructures Planning | Marine Ecology and Biodiversity | Marine Protected Areas Design and Management | Marine Spatial Data Infrastructures | Marine Remote Sensing and Oceanography applications | Marine GIS Applications | Marine GPS Applications | Integrated Coastal Zone Management |

Short papers are not restricted to the areas outlined above and the scientific committee will accept additional papers based on their academic merit, innovation and relevance to the conference themes.

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6. Programme

At GIslands 2010 Summer School, students will broaden their knowledge and experience through the following curriculum and main subjects: **What is MSP and why is there a growing need for it? | Approaches and Challenges of MSP | Applying GIS, Modeling and Remote Sensing on MSP | Spatial Data Infrastructures and MSP | Hands-on case study to develop a MSP proposal with the use of Geotechnologies.**

Date	Start Time	End Time	Event
Aug 7	9:00	9:30	Registration
	9:30	10:30	Welcome Speech and Introduction of GIslands 2010
	10:30	11:40	Current Outlook on MSP
	11:50	13:00	European Experiences with MSP
	14:00	16:00	Competing Conflicts of the Marine Spaces
	16:30	17:00	Case Study Overview
	17:00	18:30	Short Paper Presentations
Aug 8	9:30	18:00	Field Trip around São Miguel Island
Aug 9	9:30	11:00	Applications of GIS I
	11:30	13:00	Applications of GIS II
	14:00	16:15	Short Paper Presentations
	16:30	18:30	Case Study and Practical Training
Aug 10	9:30	11:00	Applications of Remote Sensing I
	11:30	13:00	Applications of Remote Sensing II
	14:00	16:15	Short Paper Presentations
	16:30	18:30	Case Study and Practical Training
Aug 11	9:30	11:00	Modeling Geographical Information
	11:30	13:00	Marine Spatial Data Infrastructures
	14:00	16:15	Short Paper Presentations
	16:30	18:30	Case Study and Practical Training
Aug 12	14:00	18:00	Case Study Presentations
	18:00	18:30	GIslands 2010 Award and Closing

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7. GIslands 2010 Award

The author of the best short paper will be awarded with flight and accommodation reimbursement for GIslands 2010 Summer School (Receipts of travel and accommodation will be needed for reimbursement).

8. Venue

University of the Azores is located in São Miguel Island of the Azores archipelago. The Azores archipelago, a Portuguese autonomous region, is located in the North Atlantic about 1500 km from Lisbon and about 3900 km from the east coast of North America. It is a beautiful archipelago consisting of nine volcanic islands with stunning coast and ocean, and year-round mild weather. In 2008, the Azores was ranked second among 111 world island destinations for sustainable tourism by National Geographic Traveler. Some of the main coastal recreational activities include sailing, yachting, boat tour, cruise tourism, scuba diving, whale and dolphin watching, swimming with dolphins, and sport fishing.

For more information about S. Miguel Island and Azores Archipelago, visit [São Miguel - The Azores](#)

Travel and Lodging Information:

Flights: Multiple daily direct flights are offered from Lisbon or Porto ("mainland" Portugal) and Funchal (Madeira Island) to Ponta Delgada (São Miguel Island). Weekly direct flights are also offered from USA and Canada to Ponta Delgada (São Miguel Island). Flight reservations can be made online from [SATA](#) and [TAP](#)

There are several charter carriers offering direct connections from the Nordic countries, Germany, the UK, Spain and the Netherlands. However, these flights are not always in operation, please check with the travel agency of your home country for updated information.

Accommodations: Students are welcome to stay at the University's dormitory. The dormitory provides laundry service, and is equipped with laundry service and 24-hour surveillance.

Single Room - 30€/pax/night | Double Room - 15€/pax/night

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9. Contacts

Organizing Committee:

Helena Calado – Chairperson (Professor at University of the Azores) | **Artur Gil** (PhD Student on Remote Sensing of the Environment – University of the Azores) | **Kiat Ng** (PhD Student on Coastal Marine Science – University of the Azores) | **Fabiana Moniz** (CIGPT Secretariat)

Postal Address:

University of the Azores – Department of Biology

CIGPT / GISlands 2010 Organizing Committee

Campus Universitário de Ponta Delgada; Rua Mãe de Deus, 13A

9501-801 Ponta Delgada, Portugal

Other Contacts:

E-mail: gislands2010@uac.pt | Telephone: +351 296 650 733 | Fax: +351 296 650 100

We're looking forward to meet you next summer in Azores Islands! Apply now!

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