



Universidade de Vigo

IGCP 526

RISKS, RESOURCES, AND RECORD OF THE PAST ON THE CONTINENTAL SHELVES

IUGS and UNESCO support IGCP526

4th Annual Conference

Vigo, Spain

28th September-1st October, 2010



The 4th IGCP 526 Conference will be held in Vigo (Spain), hosted by the University of Vigo, and organized by the Marine and Environmental Geology Group (GEOMA).

Conference information will be available at <http://igcp526.geoma.net>

2nd circular with scientific program will be issued on late June/early July 2010.

IGCP 526

International Geological Correlation Program (IGCP) is a joint initiative of United Nations Education, Scientific and Cultural Organization (UNESCO) and International Union of Geological Sciences (IUGS), aimed to facilitate international collaboration among scientists and to facilitate knowledge and technology transfer among disparate disciplines and regions around the world ([link](#)).

IGCP526 is a 5 years (2007-2011) project aimed to compare and promote continental shelf applied researches based on geosciences but crossing/merging discipline boundaries, with particular emphasis on global issues that influence human society (<http://igcp526.io.usp.br>). The project develops around three main axis, i.e. Risks (for people, infrastructures and environment), Resources (minerals and aggregates but also encompassing living resources as far as habitat mapping is concerned) and Record of the Past (paleoclimate, paleoenvironment, paleogeography with special reference to early humans civilizations).

Conference topics

We are inviting papers related to continental shelf applied researches, such as:

- records and processes related to climate change and the carbon cycle,
- the identification and management of continental shelf resources (such as placers, aggregates, hydrocarbons as well as specific environments/ecosystems),
- the identification and assessment of marine geohazard, such as neotectonics/active faulting, landslides, record of tsunamis and other high-energy events, geotechnical hazards, processes leading to pollutant dispersal and accumulation.
- Geological processes controlling continental shelf morphology and stratigraphy.
- the reconstruction of features/processes/changes relevant to early human history and to human impact and future in a sensitive environment such as the continental shelf.
- any other applied study in continental shelves that may be of general interest to the society and the scientific community

Conference program

The conference will be held from Sept. 28 to Oct.1st and will includes keynote lectures, invited talks, oral and poster sessions, a field trip and a Short Marine Geology Course for a limited number of PhD students/young researchers.

The scientific program will be issued in the second circular in late June/early July.

Location

The conference will be held at the Lecture Hall Center at Cidade Universitaria (Edificio Miralles), University of Vigo, Vigo, Spain.

Field Trip

Field excursion to visit the Atlantic Islands National Park will be held on 30th of September. The islands Cíes are located at the entrance of the Ría de Vigo. We will take a catamaran to move there, sailing along the Ría and arriving to the best beach of the world (Rodas Beach).



REGISTRATION

Please, register online at: igcp526.geoma.net

Registration Service Charge:

	Before 30 th June	After 30 th June
Researchers	250 €	300 €
Students	50 €	50 €
Accompanying person	100 €	100 €

Registration fee includes abstract volume, local transportation, participation in icebreaker, coffee breaks and the conference banquet.

Registration becomes definitive only when payment has been received on

Account: 0182 / 5947 / 11 / 0000102277

Account holder: FEUGA

IBAN: ES51 0182 5947 11 0000102277

BIC: BBVAESMMXXX

Please, participants include in the item payment: "IGCP526"

ABSTRACTS

An abstract of minimum one, maximum two pages should be submitted by 1 June, 2010. Please submit the abstract online at following the template provided on <http://igcp526.geoma.net>. After Conference, some selected contributions could be published as extended papers on the **Journal of Iberian Geology** (journal included on JCR).

The language of the conference will be English.

Organizing Committee

Federico Vilas (GEOMA, U. of Vigo, Spain)-Coordinator
 Ana Bernabeu (GEOMA, U. of Vigo, Spain)-Coordinator
 Francisco Lobo Sanchez (CSIC, U. of Granada, Spain)
 Francesco L. Chiocci (U. of Rome, Italy)
 Michael Michaelovitch de Mahiques (U. SaoPaulo, Brasil)
 Belén Rubio (GEOMA, U. of Vigo, Spain)
 Daniel Rey (GEOMA, U. of Vigo, Spain)
 Paula Alvarez (GEOMA, U. of Vigo, Spain)
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Scientific Committee

Francesco L. Chiocci (U. of Rome, Italy)
 Lindsay Collins (Curtin University, Australia)
 Michael Michaelovitch de Mahiques (U. SaoPaulo, Brazil)
 Renee Hetherington (University of Victoria, Canada)

Ana Bernabeu (GEOMA, U. of Vigo, Spain)
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 Juan Acosta (IEO, Madrid, Spain)
 Andrés Carbó (U. Complutense, Madrid, Spain)
 Luís Miguel Fernández Salas (IEO, Malaga, Spain)
 Adolfo Uriarte (Fundación AZTI, País Vasco, Spain)
 Menchu Comas (U. of Granada, Spain)
 Miquel Canals (U. of Barcelona, Spain)
 Luis Pinheiro (U. of Aveiro, Portugal)
 Ramón Gómez Gesteira (U. de Vigo, Spain)

SPONSORS



Universidade de Vigo

SOME OTHER INFORMATION

Accommodation

Information about hotels and prices are on <http://igcp526.geoma.net>. Bus transport facilities to de university campus from town will be available.

Hotel reservation will be made by **Barceló Viajes** according to your request. Please contact at: Jovgo-lagoas@barceloviajes.com

Contact and Correspondence:

For Conference Issues: bernabeu@uvigo.es
davidc@uvigo.es

For Field Trip: danirey@uvigo.es

For Short Course: rubio@uvigo.es

SHORT COURSE:**TECHNIQUES OF SAMPLING AND GEOCHEMICAL ANALYSIS OF MARINE SEDIMENTS**

A short course for **10/12 PhD students/young researchers'** will be held on **27th of September** (from 10.00 AM to 20.00 PM).



Objective: The course aims at providing a synthetic overview of the know-how of all issues related to sediment sampling and analysis. It is divided in two parts, part A comprises the first half day and it is related to standard operating procedures for obtaining marine

sediment samples from a boat in Ría de Vigo sea bed. Part B comprises sample handling and high-resolution

analyses by XRF in the labs of the University of Vigo. See below a wider description of both parts.

PART A: Standard operating procedures for the collection and processing of *sediment* samples including grab and core samples with different sediment sampling devices (shipeck, gravity corer, etc.). It covers station positioning, collection of sediment for sedimentological and geochemical analyses and sample handling for further analyses in part B.



PART B: It will be focused in the analysis of sediment cores with the ITRAX- Core Scanner of the University of Vigo. ITRAX is a laboratory instrument developed for measurements of the variation of density and chemical element composition along sediment cores. The instrument analyses flat samples as well as split cores. With the combination of optical imaging, high-resolution

radiographic density imaging and highly sensitive XRF analysis, very detailed structural variations are recorded together with the chemical basis for these variations.

The resolution capacity and analytical quality often makes it possible to follow variations on single lamina level.

**Some other information:**

The language of the conference will be English.

A certificate of attendance will be provided to all participants.

Please, register online at: igcp526.geoma.net