



UNESCO-IUGS-IGCP-INQUA  
INQUA 501 - IGCP 521 Six Plenary Meeting  
and Field Trip



## Second Circular

Hellenic Centre for Marine Research at the Hydrobiological Station of Rhodes  
Greece

27 September – 5 October 2010



INQUA 501 “Caspian-Black  
Sea-Mediterranean Corridor  
during the last 30 ky: Sea level  
change and human adaptive  
strategies”

IGCP 521 “Black Sea-  
Mediterranean Corridor during  
the last 30 ky: sea level change  
and human adaptation”

<http://www.avalon-institute.org/IGCP>

IGCP 521 Co-Leaders:  
Valentina YANKO-  
HOMBACH (Canada,  
Ukraine, also  
Leader of INQUA 501)  
Yücel YILMAZ (Turkey)

Pavel DOLUKHANOV  
(UK) – deceased on 6th  
December 2009

Organizers



HELLENIC CENTRE FOR MARINE RESEARCH



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## WELCOME

*On behalf of the Organizing and Executive Committees as well as the Hellenic Centre for Marine Research at the Hydrobiological Station of Rhodes, Greece, we are delighted to welcome you to the INQUA 501-IGCP 521 Sixth Plenary Meeting and Field Trip being held on 27 September – 5 October 2010 on the Island of Rhodes, Greece.*

*This conference is the sixth in a series of IGCP 521 – INQUA 501 Plenary Meetings and Field Trips, and the last one for IGCP 521. It is being held in the Aegean part of the Corridor and focuses on the superposition of the successive Quaternary sea-level changes and the vertical tectonics that have resulted in the formation of marine terraces uplifted at various elevations to 400 m above present sea level. During field trips, the participants will visit sites of uplifted paleo-shorelines and marine terraces as well as coastal prograding sequences, active faults offsetting terraces, sites of fossiliferous Pliocene marls, cold-water corals including *Lophelia*, and many other sites of geological interest.*

*As usual, the meeting will discuss the actual status of our knowledge on a range of subjects, and scientific approaches to integrating environmental, anthropological, ethnological, and archaeological data in order to trace the history of ancient humans in the region and predict their future development in coastal zones under various sea-level scenarios. This time, the meeting will finalize IGCP 521 activities and will focus on efforts to maximize the project exposures via diffusion of results in key international journals and project web sites to insure wide accessibility and increased interactive potential for project participants, the scientific community at large, relevant agencies, and the public in order to consolidate scientific achievements as a basis for developing a future strategy for scientific research.*

*The Sixth Plenary Meeting and Field Trip has been organized by the Hellenic Centre for Marine Research at the Hydrobiological Station of Rhodes, Greece, and sponsored by the Hellenic Centre for Marine Research, Greece, and the Avalon Institute of Applied Science, Winnipeg, Canada; with financial contributions from INQUA.*

*We are happy to welcome to Greece distinguished specialists and students in the Humanities, Earth, and Life Sciences from countries around the world.*

*We wish you a very pleasant stay in Greece.*

Sincerely,

**Organizing and Executive Committees of IGCP 521- INQUA 501 Sixth Plenary Meeting and Field Trip**

## AIMS AND SCOPE

The main goal of the INQUA 501-IGCP 521 project is to provide cross-disciplinary and cross-regional correlation of geological, geochemical, geophysical, paleontological, archaeological, and historical records for the entire Caspian-Black Sea-Mediterranean Corridor (CCBSMC) in order to evaluate the influence of sea-level change and coastline migration on human adaptation during the last 30 ky. INQUA 501-IGCP 521 investigates the evolution of the coastal zone, where a rich sedimentary and archaeological archive provides a superb opportunity to study spatial and temporal interactions between human adaptation and environmental change.

The Sixth Plenary Meeting and Field Trip is focused on the progress of INQUA 501-IGCP 521 with special attention to (1) Linear and non-linear geological processes and concepts through correlative studies of a wide range of sites through the “Corridor” that are needed to achieve a better understanding of the influence of global climate change and/or active tectonics on regional sea-level fluctuations, coastline evolution, transformation from lacustrine to marine environment, eco- and sedimentary systems (including deposition of sapropels), as well as prehistory and history of the adaptation of Anatomically Modern Humans; (2) Correlation of sea-level changes in the “Corridor” with those in the Caspian Sea; (3) Improvement of standards in research methods and techniques (e.g.,

quantitative modeling of environmental crises with detailed identification of the factors involved and their behavior); (4) Delineation of the main areas of natural risk (e.g., erosion, flooding) required for proper environmental management; and (4) Further elaboration of a complete database on bibliography, radiocarbon assays, archaeological sites, and artifacts linked to the sea-level changes.

The meeting brings together multidisciplinary scientists from all over the world and enhances the West-East scientific dialogue by providing a supportive background for collaboration regarding the correlation and integration of their discoveries on the influence of climatically/tectonically induced sea-level changes and coastline migration on humanity. This is an area of strategic importance not only for all coastal countries but also for at least 17 other countries sharing the drainage basin that is one-third the size of the European continent.

The meeting will cover seven days. Three days (28 - 30 September) will be spent on the plenary sessions, and four days (1- 4 October) will be dedicated to the field trips.

## VENUE

The conference will be held under the auspices of the Hellenic Centre for Marine Research (HCMR, <http://www.hcmr.gr>) at the Hydrobiological Station of Rhodes, Greece (Fig. 7, 8), Cos Street, 851 00 Rhodes, Greece, Tel: +30 2241027308, +30 2241078320; Fax: +30 22410 78321; Email: [hsr@hsr-ncmr.gr](mailto:hsr@hsr-ncmr.gr).

## SCHEDULE

**27 September:** Arrival and registration (**17.30-19.30**), Hellenic Centre for Marine Research, Hydrobiological Station of Rhodes, Cos Street, 851 00 Rhodes, Greece, Tel: +30 2241027308, +30 2241078320; Fax: +30 22410 78321; Email: [hsr@hsr-ncmr.gr](mailto:hsr@hsr-ncmr.gr)

**28 September (8.30 and 18.00):** Registration, Hellenic Centre for Marine Research, Hydrobiological Station of Rhodes, Cos Street, 851 00 Rhodes, Greece, Tel: +30 2241027308, +30 2241078320; Fax: +30 22410 78321; Email: [hsr@hsr-ncmr.gr](mailto:hsr@hsr-ncmr.gr)

**27 September (20.00):** Ice-Breaking Party, Hellenic Centre for Marine Research, Hydrobiological Station of Rhodes, Cos Street, 851 00 Rhodes, Greece

**28-30 September (9.00-18.00):** Technical Sessions (see Conference Programme for more details).

**30 September (20.00):** Conference Dinner, Kallithea Spa

**1-4 October (8.00-18.00):** Field Trips (see Conference Programme for more details).

**5 October:** Departure to respective countries

## TECHNICAL SESSIONS

The TECHNICAL SESSIONS will be organized into three panels, eight ORAL and one POSTER sessions:

### September 28

#### PANEL 1: PALEOGEOGRAPHIC AND PALEOCEANOGRAPHIC RECONSTRUCTIONS

*Moderators: Nikolay PANIN (Romania) and Andrei CHEPALYGA (Russian Federation)*

#### Session 1: Geodynamics and Active Tectonics

*Moderators: Yücel YILMAZ (Turkey) and Evgeny LARCHENKOV (Ukraine)*

**Session 2: Sea Level Changes and Paleoenvironmental Reconstructions in the Black Sea**

*Moderators: Petra MUDIE (Canada), and Andrei CHEPALYGA (Russian Federation)*

**September 29**

**Session 3: Sea Level Changes and Paleoenvironmental Reconstructions in the Mediterranean and Elsewhere**

*Moderators: Josef Mart (Israel), and Dimitris Sakellariou (Greece)*

**Session 4: Recent Ecosystems**

*Moderators: Valentina YANKO-HOMBACH (Ukraine, Canada) and Evgeniy SCHORNIKOV (Russian Federation)*

**Session 5: Palynology, Paleontology, and Biostratigraphy**

*Moderators: Natalia GERASIMENKO (Ukraine) and Petra MUDIE (Canada)*

**Session 6: Sea Level Changes and Paleoenvironmental Reconstructions in the Caspian Sea**

*Moderators: Andrei CHEPALYGA (Russian Federation) and Tamara YANINA (Russian Federation)*

**September 30**

**PANEL 2: DEGASSING AND NON-TRADITIONAL RESOURCES OF THE BLACK SEA**

*Moderators: Evgeny SHNYUKOV (Ukraine) and Valentina YANKO-HOMBACH (Ukraine, Canada)*

**Session 7: Mud Volcanoes and Non-Traditional Resources of the Black Sea**

*Moderators: Evgeny SHNYUKOV (Ukraine) and Nikolay MASLOV (Ukraine)*

**PANEL 3: ARCHAEOLOGY, HISTORY, AND ETHNOLOGY**

*Moderators: Olena SMYNTYNA (Ukraine) and Pavel Dolukhanov (U.K.,)*

**Session 8: Archaeology, History, and Ethnology**

*Moderator: Olena SMYNTYNA (Ukraine)*

**Poster Session**

**ACCOMMODATION**

The Organizing Committee has arranged special prices for the participants of the INQUA 501 - IGCP 521 meeting in the hotels. For more information about the hotels please refer to the First Circular. Participants have to arrange their accommodation by contacting the reception desk of these hotels directly, or they may stay in any of the numerous other hotels in Rhodes town.

**REGISTRATION FEE**

Table 1. Registration Fee (Please refer to the “Registration Form”)

	<b>Registration before June 30, 2010</b>	<b>Registration after June 30, 2010</b>
	Euro	Euro
Participant	300	350
Accompanying person	250	300
Student*	200	250

The registration fee covers conference kit, refreshments during coffee breaks, conference dinner, lunches during field trips, museum entrance fees, and bus transportation during the field trip. It does not cover hotel accommodation or dinners during the conference and field trips.

## REFUND POLICY

Fifty percent refund before June 30, 2010. No refund is possible after June 30, 2010.

## CONFERENCE LANGUAGE

The official conference language is English.

## ORAL AND POSTER PRESENTATION

Each speaker will have 15 minutes for presentation including questions. Poster format is 100x180 cm. Projection Equipment: Screens, LCD (PowerPoint presentation) projectors, and overhead projectors are available.

## PUBLICATION

Accepted abstracts will be published in the Volume of Extended Abstracts. The full papers will be published in INQUA 501-IGCP 521 Fifth Special Volume of the journal *Quaternary International*. For preparation of the manuscript, refer to Instructions for Contributors.

## VISA

Visitors from other countries must carry a valid passport and, in certain cases, visas, to be able to enter Greece. For more information on visas and other required travel documents, please contact the Greek Embassy or Consulate in your area before your departure. Invitation Letters will be provided upon your request. Each attendee is responsible for obtaining his/her visa.

## CLIMATE

End of September – beginning of October is rather favorable time of the year for field trips, although it may be hot. Daily temperature is about 27° C, and at night, it is about 24° C.

## TRAVEL

Rhodes Island is easily accessible by direct, regular or charter flights from all main airports of Europe. The airport is located a few kilometers west of the city of Rhodes. Regular buses connect the airport with the city centre.

A fairly good maritime connection connects Rhodes Island with Piraeus harbor, especially in summer time.

## DEADLINES

<b>February 10, 2010</b>	First Circular on INQUA 501 - IGCP 521 website ( <a href="http://www.avalon-institute.org/IGCP">www.avalon-institute.org/IGCP</a> )
<b>February 10, 2010</b>	Abstract submission and registration opens
<b>June 30, 2010</b>	Abstract submission closes
<b>July 31, 2010</b>	Notification of abstract acceptance
<b>June 30, 2010</b>	Deadline for early registration
<b>August 31, 2010</b>	Second Circular and the Conference Programme on INQUA 501 - IGCP 521 website ( <a href="http://www.avalon-institute.org/IGCP">www.avalon-institute.org/IGCP</a> )
<b>December 31, 2010</b>	Submission of full paper to INQUA 501 - IGCP 521 special volume of <i>Quaternary International</i> journal closes