



**Commission on
Coastal and Marine Processes**

Inter-congress Report - 2007-2011

CMP Mission

CMP corresponding membership is open to any Quaternary scientist working on themes of the deep sea, continental shelves, and on the reconstruction of coastal and sea-level changes and the mechanisms underlying these changes. There are about 250 members from many different countries, many of who are associated with one of the Commission's projects.

CMP Officers

President: Cecile Baeteman, Brussels, Belgium

Secretary: Callum Firth, Brighton, UK

Advisory Group:

David Kennedy, New Zealand

Roland Gehrels, UK

Teresa Bardají Azcárate, Spain

Luc Ortlieb, France

Dale Dominey-Howes, Australia

Dr. Fabrizio Antonioli, Italy

Cari Zazo, Spain

Claude Hillaire-Marcel, Canada

David Smith, UK

Working groups

Six Working Groups were established at the Congress in Cairns.

North and West Europe – Chair: Roland Gehrels, School of Geography, University of Plymouth, UK. wrgehrels@plymouth.ac.uk
over 250 members

Long-Term Sea-level Records – Chair: Teresa Bardaji, Dept. Geologia, Universidad de Alcala, Alcala de Henares, Spain. teresa.bardaji@uah.es

Mediterranean Basin – Chair: Ahuva Almogi-Labin, Geological Survey of Israel, Israel. almogi@gsi.gov.il

Australasian Working Group – Chair: David Kennedy, Institute of Geography, University of Wellington, New Zealand. david.kennedy@vuw.ac.nz

Short-Term Sea-level Changes and Coastal Vulnerability – Chair: Antonioli Fabrizio, ENEA, Department of Environment, Global Change and Sustainable Development, Rome, Italy.
fabrizio.antonioli@casaccia.enea.it

Continental Shelf – Chair: Isabel Cacho-Lascorz, Universitat de Barcelona, Spain
icacho@ub.edu

Activities

2007

Searching for the mid Holocene sea-level high stand in the Central Great Barrier Reef region, North Queensland. IGCP 495 and INQUA Coastal and marine Processes Conference Field Trip, 4-6 August 2007. Organized by S.A. Woodroffe (UK), S. Smithers and D. Hopley (Australia).

Third IGCP 521-INQUA 0501-IGCP 481 Plenary Meeting and Field Trip, Gelendzhik, Russia-Kerch, Ukraine.

2008

Holocene land-ocean interactions: driving mechanisms and coastal responses, Belfast, Northern Ireland, 22-25 June. Organised by Prof. Andrew Cooper, Prof. Julian Orford, Prof. Marshall McCabe, Dr. Derek Jackson and Dr. Peter Wilson (UK). Joint meeting with IGCP 495.

Fourth IGCP 521-INQUA 0501 Plenary Meeting and Field Trip, Bucharest-Tulcea, Romania and Varna, Bulgaria.

Fifth International Meeting joint IGCP Project 495-INQUA CMP. Conference and Field Trip, Faro, Portugal, 27 October - 1 November 2008. Organized by Dr. Tomasz Boski (Portugal).

Excursión de Campo: Geomorfología volcánica y cambio del nivel del mar en Lanzarote y Fuerteventura, Plio-Cuaternario. Incluido en el VII Congreso Geológico de España. Las Palmas de Gran Canaria, July 14 - 18, 2008. Organized by C. Zazo, T. Bardají, A. Cabero, C.J. Dabrio, J.A. Gonzalez-Delgado and J.L. Goy.

Conferences, Meetings & Workshops organised by CMP members:

Dr. Vadim Sivkov (Russia): *"Integrated management, Sustainable Development Indicators, Spatial Planning and Monitoring of the South-Eastern Baltic Coastal Regions"*, Kaliningrad, Russia, 26-30 March 2008.

Dr. Arto Miettinen (Norway): Session CGC-05 *"Fennoscandian Uplift and Global Sea Level Changes"*, 33rd International Geological Congress, Oslo, 6-14 August 2008.

Prof. Roland Gehrels (UK): William Smith Meeting, *"Observations and Causes of Sea-Level Changes on Decadal to Millennial Timescales"*, The Geological Society, London, UK, 1-2 September 2008.

Prof. Anto Raukas (Estonia): *The Baltic Sea Regional Conference*, European Union Transnational Cooperation Programme, Tallinn, Estonia, 26-27 November 2008.

Dr. Alejandro Cearreta (Spain): Conference series dedicated to the *"Consequences of climate change: sea-level rise and impact on the coast"*, University of the Basque Country, Bilbao, Spain, October-December 2008.

Reconstructing past estuarine conditions. A workshop of the working group of ARC-NZ research network for vegetation function. June 2008, Macquarie University, Sydney, Australia.

2009

Decadal to Millennium-Scale Land-Ocean Interactions in the Geological Record: Blueprints for the 21st century? Egmond aan Zee, Netherlands, June 21-24, 2009. Organised by Dr S. van Heteren and Dr H. Weerts. Joint with IGCP Project 495.

Fifth IGCP 521-INQUA 0501 Plenary Meeting and Field Trip, Izmir-Çanakkale, Turkey.

IGCP 495 joint with INQUA CMP Annual Conference, Myrtle Beach, South Carolina (USA), October 25-31, 2009 with associated Field Trips to The Grand Strand of South Carolina and The Outerbanks of North Carolina. Organized by Paul Gayes and many colleagues.

2010

Past and Present Land-Ocean Interactions: Blueprints for the 21th century? International Conference and Field Trips of the INQUA North and West Europe Working Group of the Coastal and Marine Processes Commission, West Sussex Coastal Plain, Arundel (S. England, UK), July 4th – 7th, 2010. Organized by C. Firth and Ph. Teasdale.

Six IGCP 521-INQUA 0501 Plenary Meeting and Field Trip, September 27 to October 5, 2010, Island of Rhodes, Greece.

A joint international conference of IGCP 588/INQUA1001 Coastal and Marine Processes Commission. University of Hong Kong, Hong Kong, China. 30 November – 4 December 2010 and associated Field Trips to the marshes of the Pearl River Delta and the beach of Big Wave Bay. Organized by Yongqiang Zong and Adam Switzer.

Amounts of INQUA funds (in EUR) allocated to CMP projects during the 2007-2011 Inter-congress period.

Project	Title	2008	2009	2010	2011
0501	Caspian-Black Sea-Mediterranean Corridor during the last 30 ky: Sea-level change and human adaptive strategies.	5000	5000	5000	5000
0910	Coastal and marine diatoms of the Southern Hemisphere: taxonomy and environmental application.		4000		
0911	Decoding the Last Interglacial in Western Mediterranean.		1200		
1001	Quaternary coastal changes and records of extreme marine inundation on coastal environments.			3000	5000
1101	Evolution of Continental Shelves during the Late Quaternary.				5000

CMP-Sessions at the XVIII Congress in Bern

N° 46: Late Quaternary coastal evolution.

N° 47: Quaternary records of rapid coastal change.

N° 48: Sea-level jumps: evidence from Quaternary proxy records.

N° 49: Climate and sea-level changes during the last 140 ka in the Mediterranean.

N° 50: Drowned landscapes and continental shelves during the last glacial cycles.

Preparations for the next Inter-Congress Period

Nominations for the next Inter-congress Commission Officers have been proposed by the members. The primary aim is to ensure representation of different sub-disciplines and different regions within CMP. It is important to remedy this in order to ensure better liaison with different geographical communities. The following Officers have been proposed:

President: Roland Gehrels, University of Plymouth, UK

Secretary: Craig Sloss, Queensland University of Technology, Brisbane, Australia

Corresponding members - Advisory Group

Yongqiang Zong, The University of Hong Kong, SAR China

Mark Bateman, University of Sheffield, UK

Teresa Bardaji, University of Alcalá, Madrid, Spain

Cari Zazo, Museo Nacional de Ciencias Naturales, Madrid, Spain

Gösta Hoffmann, German University of Technology in Oman, Sultanate of Oman

Ediang Okuku Archibong, Marine Division, Meteorological Agency, Oshodi Lagos, Nigeria

Barbara Mauz, University of Liverpool, UK

Fatima Abrantes, Laboratório Nacional de Energia e Geologia, Amadora, Portugal

Cecile Baeteman, Geological Survey of Belgium, Belgium