17th International Sedimentological Congress

27 August – 1 September 2006 Fukuoka-Japan



Congress theme: From the highest to the Deepest

A Progress Report

The 17th International Sedimentological Congress will be held in Fukuoka, Japan, August-September 2006, as a result of strong cooperation among the Japanese, Korean, and Chinese sedimentological communities. This is the first ISC to be held in the Eastern Asia for its 59 years of history.

Fukuoka, located in Kyushu, southernmost of Japan's four main islands, is one of the principal and most vibrant cities, with a population of 1.4 million. It is an exciting, modern city, which has not forgotten its past. It was, at one time, a second capital city of old Japan in the period before the 10th Century A. D. Therefore, there are many enjoyable historic sites and related exhibitions on the long history of Fukuoka. *Yoshinogari Ruins* represents living areas of people in the largest moated village in 3rd to 5th centuries B. C. *Shikanoshima island* is a barrier island and is well known as the place where the Gold Seal presented to the King of old Japan by the Han Dynasty of China in 109 B.C. was found by a farmer in 1784. *Hakozaki Shrine*, constructed in 923, is one of the three major Hachiman shrines in Japan. «Hachiman» is the most popular Shinto religious faith in Japan. A number of sightseeing trips will be proposed as a Social Program.

The congress venue, Fukuoka International Congress Center, is a recently completed, state-of-the-art facility situated on the waterfront of Hakata Bay, about 1.5 km from the downtown area. The nearby waterfront park and adjoining «Hakata Bayside Place» with cafes, restaurants and small shops offer a pleasant environment to relax and meet with colleagues.

The Congress theme *«From the Highest to the Deepest»* implies that the Eastern Asia is the geologically most active regions with the highest mountain ranges and the deepest ocean trenches. The ISC2006 will provide a great opportunity to expand the scope of sedimentology in terms of the frontier of our discipline, the Earth system sciences, from the highest quality to the deepest understanding.

Scientific Program

The Organizing Committee will offer twelve Special Symposia (conveners).

- 1. Sedimentation in and around magmatic arcs in relation to tectonics and volcanism (Busby and others)
- 2. Monsoons and the Himalaya: tectonics-climate and land-ocean linkages (Clift, Zheng, and Tada)
- 3. Continental margin sedimentation and deep-water sedimentary systems (Martinsen and Hoyanagi)
- 4. Coastal environments and human activity (Goodbred and Chun)
- 5. Catastrophic sedimentary processes: mechanisms and hazard mitigation (Nanayama and others)
- 6. Gas hydrates: origin, exploration and resource potential (Collett, Paull and Matsumoto)
- 7. 3D seismic technology for exploration and sediment body analysis (Posamentier and Takano)
- 8. Microbial processes and products in sedimentary systems (McKenzie and Kano)
- 9. Boundary events and global change (Tucker, Kakuwa, and others)
- 10. Role of sedimentology in Earth drilling projects (Taira, Kudrass, Delany, Mix, Soh, and Suzuki)
- 11. Extraterrestrial sedimentology (Miyamoto and Ori)
- 12. Integrated strata analysis (Nittrouer, Berne, Syvitski, and Saito)

The Special Symposia is composed of invited talks and related voluntary poster presentations for selected symposia. All the participants are encouraged to submit papers to the technical sessions. We are proposing 54 thematic topics for the technical sessions to cover wide spectrum of sedimentology.

In addition to Special Symposia and Technical Sessions, Organizing Committee is planning to organize an *Open Forum on the recent destructive Earthquake, disastrous Tsunami and Tsunami deposits of the Indian Ocean* on the first day of the Congress. Short Courses and Workshops cover variable subjects such as biomineralization, experimental stratigraphy, modeling, gravity flow deposits, core-workshop and so on.

Field trips

In cooperation with our Korean and Chinese colleagues, the congress proposes a number of filed trips in and outside Japan. You can see subduction and collision related sedimentary records in Hokkaido and Shikoku island. Jurassic to Cretaceous bedded radiolarian cherts, micritic limestone and pillow basalt exhibit beautiful association of mélange. Okinawa islands, southern end of the Japanese archipelago, provide you an enjoyable opportunity to see beautiful coral reefs and tropical fishes. A total of 16 pre-Congress, 5 mid-Congress, and 20 postcongress field trips are offered to participants.

New drilling ship «Chikyu (Earth in English)» will be completed soon and perhaps on a shakedown cruise in summer 2006. We are hoping to make arrangement to visit 210 m - long «Chikyu».

Important Dates

Distribution of Second Circular	August 2005
Deadline for field trip registration	15 th January 2006
Deadline for abstract submission	28th February 2006
Notice of acceptance of abstracts	15th April 2006
Deadline for payment of all fees	1 st May 2006

Ryo Matsumoto Chairman of the Organizing Committee ISC2006 FUKUOKA ryo@eps.s.u-tokyo.ac.jp isc2006-ec@or.knt.co.jp http://www.ist2006.com

REPORT ON

Holocene Catastrophes in South America

Miramar, Córdoba (Argentina) March 2005

A Meeting Report

The meeting «Holocene environmental catastrophes in South America: from the Lowlands to the Andes» was recently held in Miramar, Córdoba, Argentina, from 11th to 17th March 2005. This was the third of six international meetings within the framework of projects IGCP 490 (The role of Holocene environmental catastrophes in human history) and ICSU/ IUGS (Dark Nature, Rapid natural change and human response).

The conference was organized by the Research Center for Geochemical and Surficial Processes- F.C.E.F.y N., University of Cordoba (Argentina) and the Department of Geography and Earth Sciences, Brunel University, West London (U.K.). A total of 85 participants from Argentina, Brazil, Canada, Chile, France, Germany, Spain, Switzerland, United States, United Kingdom, and Turkey were gathered in the small village of Miramar by the coast of Laguna Mar Chiquita. There, the participants had the unique experience to discuss the human dimension of palaeoclimate research and to observe, at the same time, the vulnerability of society in front of recent and dramatic water-level fluctuations of Laguna Mar Chiquita (rise of 8 m in 10 years). The quality of the science and the diversity of topics (and proxies) were reflected by the enthusiasm of the participants and the high scientific level of discussion. The media coverage was assured by local and national newspapers and television. The major of the village as well as villagers were very keen to attend the talks related to their region as they have been directly concerned by climatic change and destruction of their habitat.

The official opening ceremony together with the opening plenary lecture, by Prof. Suzanne Leroy (Brunel University), was held on the evening of 11th March at the National Academy of Sciences in Córdoba city. After that, a wine reception was held at the old *«Patio del Rectorado»* at University of Córdoba. The programme included also a guided visit to the Museum of Anthropology and the historical city. During the morning of 12th March all the participants were transported for 200 km across the Pampean plains to Miramar to start with the scientific sessions. The four-day meeting was composed of a single main oral session with several poster sessions organized into the following general themes:

- Natural system responses to environmental change and sustainability
- Catastrophes and the Archaeological record. Holocene events and cultural consequences
- · Holocene fire history records
- · Rapid Geological Change geoindicators and hazards
- High resolution and continuous records of climate changes and environmental catastrophes
- · Recent hydrological changes
- · Holocene climate changes

13 keynote-lectures were presented by well-known scientific personalities dealing with archaeology, cultural changes, civilization collapses, rapid geological changes, hydrology, multi-proxy records of environmental changes, meteorite impacts, dendrochronology, palaeofires and farming in the Argentine Pampas. Focused on these themes, the meeting included 48 talks and 23 posters. The applied aspects of the fundamental earth science research were clearly highlighted. A special block was programmed for presenting funding opportunities on climate research and discussing the future priorities of funding with the focus on rapid and catastrophic environmental changes. The Interim Director of the Inter-American Institute for Global Change Research (IAI), Dr John Stewart, did a special presentation dealing with the main IAI purposes and Dr Ricardo Villalba (Argentina) from the Scientific Steering Committee of PAGES (Past Global Changes) depicted general scopes, interests and services of PAGES. Several business meetings were held: the IUGS Geoindicator Initiative and ICSU-IGCP 490.

The programme included two guided visits. During the third day of the meeting an excursion was planned for visiting flood-affected areas of Miramar and the relicts of past-flourishing times during former low lake-levels. That excursion finished at the Museum of Photography with the presentation of a video on the demolition of the flooded portion of the village. After the closing ceremony on 15th March another excursion was programmed to visit the Bird Observatory in the coast of the lake.

On 16-17 March a post-meeting field trip took place to a variety of sites that included the consequences of a catastrophic flood event in 1992, the effect of the last increase in precipitations on erosive processes and agriculture in the Pampas and a general view of Quaternary fluvial deposits and loess of Córdoba.

With participants from 11 countries, this conference has undoubtedly helped to establish many new contacts between scientists from Latin America, North America and Europe. The International Association of Sedimentologists (IAS), IAI and the project ICSU Dark Nature provided funding to an extraordinary number of 20 PhD students and scientists from Argentina, Brazil and Chile. Grants covered all the expenses including registration fees, travel and in some cases the post-meeting field trip. The IUGS-Geoindicators Initiative, also supported the assistance of 6 Argentinean participants. In addition to the above-mentioned sources the meeting was also sponsored by Agencia Córdoba Ciencia, Agencia Nacional de Promoción Científica y Tecnológica (Argentina), Atlas Conferences, Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET, Argentina), Secretaría de Ciencia y Tecnología de la Universidad Nacional de Córdoba (Argentina). The Volume of Abstracts, including key-note lectures and the field trip guide can be downloaded from: http://www.efn.uncor.edu/ investigacion/ciges/Meeting/index%20mar%20chiquita%20meeting.htm.

The scientific outcome of the conference will take the form of a special issue in the journal «Quaternary International». The editors are E. Piovano, R. Villalba and S. Leroy.

Eduardo Piovano and Suzanne Leroy (Chairpersons)

Sedimentology in Slovenia

n November 2000, a group of Slovenian sedimentologists established the Sedimentary Geology Section (Sekcija za sedimentarno geologijo - SSG) an informal association of sedimentologists, stratigraphers and geoscientists working in related disciplines. SSG is loosely affiliated to the Slovenian Geological Society and has informal links with IAS through the national correspondent (Dragomir Skaberne).

The aim of SSG is to provide a national forum for sedimentological research and to promote exchange of information on current developments in sedimentology both in Slovenia and internationally. The principal activity of SSG is focused on organisation of meetings, lectures, workshops and field trips. The meetings are held regularly, usually on the first Thursday of each month (except during the summer holidays) at the Scientific Research Centre of the Slovenian Academy of Sciences & Arts (ZRC SAZU) in Ljubljana. SSG has no formal membership or joining fee: whoever participates in our activities is regarded as a member.

From December 2000 to March 2005, SSG organised 6 one-day workshops and symposia, 6 fieldtrips and 19 lectures which covered a diverse range of subjects and disciplines (see SSG web pages: http://www.zrc-sazu.si/ssg/ english.htm for further information). The lectures included state-of-theart reviews and reports presented by senior Slovenian and invited foreign researchers, as well as reports given by young research workers in sedimentology. Topics ranged from sedimentology and taphonomy of Cretaceous dinosaur-bearing palaeokarst deposits in Slovenia to petrology of cave sediments in Australia, from Mesozoic stratigraphy of the Slovenian Basin to sedimentary evolution of the Mesozoic Hawasina Basin in Oman, from carbonate platforms in the Dinarides and Northern Clacareous Alps to Devonian seismites and tsunamites of western USA. However, among the most intriguing and well attended SSG meetings were several symposia which focused on Quaternary terrestrial sedimentary processes and products. These meetings were triggered by a 'hot-topic' catastrophic Mangart landslide in the Julian Alps which occurred in November 2000, and also by a recent revision of the extent and intensity of Quaternary glacial sedimentation in the southeastern part of the Alps.

SSG meetings have proved to provide a lively and well attended meeting place of Slovenian sedimentologists and researchers from other earth science disciplines. Therefore, the primary goal of SSG in the future is to continue with the same kind and same dynamics of activities. In addition to regular monthly meetings, SSG will attempt to organise one or more special symposia at the next Slovenian Geological Congress, planned for September 2006.

> Adrijan Košir Ljubljana, Slovenia

IAS Postgraduate Grant Scheme

IAS has established a grant scheme designed to help PhD students with their studies. We are offering to support postgraduates in their fieldwork, data acquisition and analysis, visits to other institutes to use specialised facilities, or participation in field excursions.

About 10 grants, each of up a maximum of 1000 Euros, are awarded twice a year.

These grants are available for IAS members only, and only for postgraduates. Students enrolled in MSc programs are not eligible for grants. The application must include a short CV and a budget. A letter from the supervisor supporting the application must be sent directly to the Treasurer of the IAS.

An application form is on our website (http://www.iasnet.org). Moreover, the application form can be requested from the Treasurer's Office (IAS, Office of the Treasurer, Ghent University, Department of Geology and Soil Science, Krijgslaan 281/S8, B-9000 Gent, Belgium; E-mail: Patric.Jacobs@UGent.be)

Application deadlines:	1st session:	March 31
	2nd session:	<u>September 1</u>
Recipient notification:	1st session:	before June 30
	2nd session:	before December 31

LIST OF STUDENT MEMBERS WHO GOT GRANTS IN THE PAST SESSION

Name	<u>Institution</u>	<u>Financial</u> support
AKINPELU, Oluwatosin	University of Toronto, Canada	1000 Euros
BAUER, Frederike	University of Heidelberg	1000 Euros
BIRGENHEIER, Lauren	University of Nebraska-Lincoln, USA	500 Euros
COLLO, Gilda	Universidad Nacional C"rdoba, Argentin	IA 500 Euros
COOK, Simon	Keele University, UK	900 Euros
DAVILA-HARRIS, Pablo	University of Leicester, UK	1000 Euros
MINZONI, Marcello	University of Kansas, USA	1000 Euros
NUNN, Elisabeth	University of Plymouth, UK	1000 Euros
TARPLEE, Mark	University of London, UK	1000 Euros
ZAMAGNI, Jessica	University of Potsdam, Germany	900 Euros

CALENDAR

THE SEDIMENT FACTORY

SEDIMENTO5 - 3RD ANNUAL CONFERENCE OF SEPM-CES

July 18-20, 2005 Gwatt, Thun area, Switzerland Fritz Schlunegger University of Bern Phone: 0041 31 631 8767 Fax: 0041 31 631 4843 E-mail: sediment05@geo.unibe.ch Web-page: www.geo.unibe.ch/sediment05

8TH INTERNATIONAL CONFERENCE ON FLUVIAL SEDIMENTOLOGY*

August 7-12, 2005 Delft The Netherlands Salomon B. Kroonenberg Department of Geotechnology Delft University of Technology Mijnbouwstraat 120 2628 RX Delft, The Netherlands e-mail: Organizing.committee@8thfluvconf.tudelft.nl Web-page: http://www.8thfluvconf.tudelft.nl/

GLACIAL SEDIMENTARY PROCESSES AND PRODUCTS*

August 23-26, 2005 University of Wales, Aberystwyth U.K. Michael Hambrey Neil Glasser Bryn Hubbard Centre for Glaciology Institute of Geography and Earth Sciences University of Wales Aberystwyth SY23 3DB UK Phone: +44(0)1970 622606 Fax: +44(0)1970 622659 E-mail: mjh@aber.ac.uk / nfg@aber.ac.uk / byh@aber.ac.uk (http://www.aber.ac.uk/visitors/glaciology/)

7TH INTERNATIONAL SYMPOSIUM ON THE CRETACEOUS

September 5-9, 2005 Neuchâtel Switzerland Karl B. Föllmi or Thierry Adatte Institut de Géologie, Université de Neuchâtel, case postale 2, CH-2007 Neuchâtel, Switzerland E-mail: karl.foellmi@unine.ch; thierry.adatte@unine.ch Web-page: http://www.unine.ch/geologie/isc7/ Fax nr.: 0041-718 26 01

CLIMATIC AND EVOLUTIONARY CONTROLS ON PALEOZOIC REEFS AND BIOACCUMULATIONS

September 7-9, 2005 Paris, France Emmanuelle Vennin Dpt. Histoire de la Terre (Géologie, CP 49) Muséum National d'Histoire Naturelle 43 rue Buffon 75005 Paris, France E-mail: evenning@mnhn.fr Web-page: http://www.ulg.ac.be/geolsed/MNHN/ Ist_circular.htm

12[™] CONGRESS R.C.M.N.S.

September 6-11, 2005 Vienna, Austria Martin Zuschin Department of Palaeontology University of Vienna A-1090 Vienna, Althanstrasse 14Austria e-mail: martin.zuschin@univie.ac.at Mathias Harzhauser Geological-Palaeontological Department Natural History Museum Viena A-1014 Vienna, Burgring 7 Austria e-mail: mathias.harzhauser@nhm-wien.ac.at

THE 3rd NATIONAL SEDIMENTARY CONGRESS OF CHINA SEDIMENTOLOGY & SOCIETY DEVELOPMENT

September, 2005 Chendu, China Contact: Prof. Jian Wang Chendu Institute of Geology and Mineral Resources Beisanduan, Yihuanlu Chendu 610082, China Phone : +86 028 83227596 e-mail : jianwang@mail.sc.cninfo.net Web site: http://www.chengdu.cgs.gov.cn

10[™] FRENCH CONGRESS OF SEDIMENTOLOGY

Pr. Marc Floquet October 11-13, 2005 Presqu'île de Giens, France Paléontologie, FRE CNRS 2761 «Géologie des Systèmes Carbonatés» Place Victor Hugo, Case 67, 13331 - Marseille - Cedex 03 - France Tel.: +33(0)491106723 (secret.: 6323 ou 6762) Fax: +33(0)491108523 E-mail : mfloquet@newsup.univ-mrs.fr

> Pr. Thierry Mulder Université Bordeaux I, Département de Géologie et Océanographie, UMR CNRS EPOC 5805 Avenue des facultés, 33405 - Talence - Cedex – France Tel.: +33 (0)5 40 00 88 47 Fax: +33 (0)5 40 00 08 48 E-mail : t.mulder@epoc.u-bordeaux1.fr

Dr. Philippe Razin, Université Bordeaux III, EGID I allée Daguin, 33607 E-mail : razin@egid.u-bordeaux.fr Web-page: http://www.epoc.u-bordeaux.fr/ASF/asf.html

THE NONMARINE PERMIAN

October 21-29, 2005 Albuquerque, New Mexico, USA Dr. Spencer G. Lucas New Mexico Museum of Natural History 1801 Mountain Road NW Albuquerque, NM 87104 USA Phone: 505-841-2873/ Fax: 505-841-2866 E-mail: slucas@nmmnh.state.nm.us

LESSONS IN TECTONICS, CLIMATE AND EUSTACY FROM THE STRATIGRAPHIC RECORD IN ARC COLLISION ZONES A GEOLOGICAL SOCIETY OF AMERICA PENROSE MEETING*

October 11-14, 2005 Price, Utah, USA Contact: Peter D. Clift Department of Geology and Geophysics MS 22, Woods Hole Oceanographic Institution Woods Hole, MA 02543, USA E-mail: pclift@whoi.edu Web site: http://www.whoi.edu/pclift/ ArcPenroseMeeting.html

GONDWANA 12 CONFERENCE

November 6-11, 2005 Mendoza Argentina Carlos W. Rapela | crapela@cig.museo.unlp.edu.ar Luis A. Spalletti | spalle@cig.museo.unlp.edu.ar Centro de Investigaciones Geológicas, Universidad Nacional de La Plata - CONICET Calle 1# 644, B1900TAC La Plata. Argentina. Phone/Fax: 54 221 4215677 Web site: http://cig.museo.unlp.edu.ar/gondwana/

International Conference on Deltas (Borneo Venue): Depositional Systems and Stratigraphic Development. A Joint Meeting of 3⁸⁰ Annual Meeting of IGCP-475 'Deltas in the Monsoon Asia-Pacific Region (Deltamap)' and 2⁸⁰ Meeting of CCOP DelSEA Project

January 13-18, 2006 University Brunei Darussalam, Brunei Contact: Yoshiki Saito (DSc) Coastal & Urban Geology Research Group Institute of Geology and Geoinformation (IGG) Geological Survey of Japan (GSJ), AIST Central 7, Higashi 1-1-1, Tsukuba, Ibaraki, 305-8567 Japan Phone: +81 29 861 3747 or 861 3772 Fax: +81 29 861 3747 E-mail: yoshiki.saito@aist.go.jp Web site: http://unit.aist.go.jp/jgg/rg/coast-rg/ADP.html

CLIMATE AND BIOTA OF THE EARLY PALEOGENE

June 19-25, 2006 Bilbao, Spain

06 Dr. Victoriano Pujalte Departamento de Estratigrafía y Paleontología Facultad de Ciencia y Tecnología Universidad del País Vasco Apdo. 644, 48080 Bilbao, Spain Fax: +34 601 3500 E-mail: cbep2006@lg.ehu.es Web site: www.ehu.es/cbep2006

POLISH SEDIMENTOLOGICAL CONFERENCE SEDIMENTATION IN FORELAND BASINS

June 22-23, 2006 (including field-trips June 21-26) Zwierzyniec, Poland (field trips also in Ukraine) Contact: Anna Wysocka Faculty of Geology Warsaw University Zwirki i Wigory Str. 93, 02-089 Warszawa, Poland E-mail: pokos2@uw.edu.pl Web-page: http://www.geo.uw.edu.pl/IGP/ POKOS2/1.htm

PALAEOPEDOLOGY: NEW PERSPECTIVES ON OLD SOILS*

July 17-20, 2006 Cardiff UK Susan B. Marriott School of Geography and Environmental Management Faculty of the Built Environment University of the West of England Coldharbour Lane, Bristol BS16 1QY, UK E-mail: Susan.Marriott@uwe.ac.uk V. Paul Wright Department of Earth Sciences Cardiff University Cardiff CF10 3YE, UK e-mail: wrightvp@cardiff.ac.uk

17TH INTERNATIONAL SEDIMENTOLOGICAL CONGRESS*

August 27 – September 1, 2006 Fukuoka Japan Ryo Matsumoto Department of Earth & Planetary Sciences University of Tokyo Hongo, Tokyo 113, Japan E-mail: ryo@eps.s.u-tokyo.ac.jp Web-page: http://sediment.jp/

CARBONIFEROUS CONFERENCE COLOGNE 2006

FROM PLATFORM TO BASIN. A RESEARCH FIELD CONFERENCE SPONSORED BY SEPM-CES

September 4-10, 2006 Cologne, Germany Contact: Dr. Markus Aretz Institut für Geologie und Mineralogie Universitaet Koeln Zuelpicher Str., 49a 50674 Koeln, Germany Phone: +49 221 470 3532 Fax: +49 221 470 5080 E-mail: markus.aretz@uni-koeln.de Web site: http://www.ccc2006.uni-koeln.de

SEA LEVEL CHANGES: RECORDS AND MODELING (SEALAIX'06)

Convenors : G.Camoin (CNRS, Aix-en-Provence, France), A. Droxler (Rice University, Houston, USA), C. Fulthorpe (Univ. of Texas, USA), K. Miller (Rutgers University, USA)

September 25-29, 2006 Aix-en-Provence and Giens, France Gilbert Camoin CEREGE CNRS UMR 6635 Europôle Mediterranéen de l'Arbois B.P. 80 F-13545 Aix-en-Provence cedex 4 E-mail : gcamoin@cerege.fr



25TH MEETING OF SEDIMENTOLOGY (SEDIMENTOLOGY AND ENVIRONMENT)*

September 4-7, 2007 Patras, Greece Avraam Zelilidis Department of Geology University of Patras 26500 Patras, Greece Phone/Fax: +26 10996272 Mobil Phone: 697 203 4153 E-mail: ias7inform@upatras.gr Web-page: http://ias2007.geology.upatras.gr/

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