



18th International Sedimentological Congress

Mendoza, Argentina
26th September - 1st October 2010



First Circular

International Association of Sedimentologists (IAS)
Argentinean Association of Sedimentologists (AAS)
CICTERRA (CONICET/UNC), Argentina
CIG (CONICET-UNLP), Argentina
CONICET-UBA, Argentina
IANIGLA - CONICET
INPE, Brazil



Invitation

On behalf of the Organising Committee, we are pleased to invite you to the 18th International Sedimentological Congress 2010 in Mendoza, Argentina. First convened in Belgium 60 years ago, this next event will be held in the Argentinean city of Mendoza and for the second time in South America, after the 14th ISC in Recife (Brazil) in 1994.

The 18th-ISC will be the result of a close cooperation among the members of the South American sedimentological community, who will make every effort to provide an excellent environment for a stimulating and enjoyable scientific congress.

Venue

The 18th International Sedimentological Congress will be held during late September to early October 2010 at the Mendoza International Congress Center. Located at the foot of the Andes (Altitude: 810 m, Latitude 33° S, Longitude 69° W), the city of Mendoza is an ideal choice due to its location and mild weather. The beginning of the austral spring commonly has sunny days and temperatures ranging from 6°C in the morning, to pleasant afternoons averaging 21°C.

Sited about 1,100 kilometres northwest of Buenos Aires and 380 kilometres from Santiago de Chile, Mendoza with the majestic Andes in the background is a recognized destination in South America with excellent air connections to all regions of Argentina and neighbouring Chile. Both Buenos Aires (EZE) and Santiago de Chile (SCL) International Airports offer frequent flights to Mendoza and daily connections to all major airports worldwide.

Since pre-historic times, the site of Mendoza has been a fertile plain artificially irrigated by melt waters channelled from the Andes. Modern Mendoza lies at the heart of a green oasis, known as the "Garden of the Andes", and is surrounded by one of the most famous wine-producing regions of the world. Owing to the fact that Mendoza city district has 150,000 inhabitants, extensive facilities for tourism and business meetings are available, including numerous hotels, restaurants and outdoor cafes where the Congress participants will be able to taste regional dishes and sample excellent local red wines.

All events will be held at the Congress and Exhibition Centre situated within easy walking distance from the downtown area of Mendoza. The state-of-the-art convention centre has a well-equipped plenary hall and 9 smaller lecturer halls with 50-250 seats and a large area for poster exhibition. A variety of restaurants and cafeterias are located in the vicinity of the convention centre. In addition, a lunch-box will be offered to participants for enjoying the mid-day break in the nearby forested city park. With more than 86 hectares the park offers a unique environment to meet with colleagues in a relaxing atmosphere.



Organization

Chairperson

Eduardo PIOVANO (CICTERRA; CONICET-UNC), Argentina

Honorary Chairperson

Luis SPALLETTI (CIG; CONICET-UNLP), Argentina

Vice-Chairpersons

Dilce ROSSETTI (INPE), Brazil and Oscar LIMARINO (CONICET-UBA), Argentina

General Secretary

Sergio MATHEOS (CIG; CONICET-UNLP), Argentina

Scientific Programme Committee

Daniel ARIZTEGUI (U. of Geneva), Switzerland; Sergio GEORGIEFF (IESGLO-UNT), Argentina; Federico DAVILA (CICTERRA; CONICET/UNC), Argentina; and Ernesto SCHWARZ (CIG; CONICET-UNLP), Argentina

International Scientific Advisory Board Chairpersons

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Ricardo ASTINI (CICTERRA; CONICET/UNC), Argentina; Cecilia DEL PAPA (CONICET-UNSA), Argentina; Luiz Alberto FERNANDES (UFPA), Brazil; and Federico ISLA (CONICET/UNMdP), Argentina

Short Course and Workshop Committee

Fernando GOMEZ (CICTERRA; CONICET/UNC), Argentina; Marcelo ZARATE (CONICET-U.N.L.P.), Argentina and Gonzalo VEIGA (CIG; CONICET-UNLP), Argentina

Publicity Committee

Gilda COLLO (CICTERRA; CONICET/UNC), Argentina; Diego GAIERO (CICTERRA; CONICET/UNC) Argentina; and Alfonsina TRIPALDI (CONICET-UBA), Argentina

Venue Organising Committee

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Finance Committee

Elisa BELLINSON (CIG; CONICET-UNLP), Argentina and Gabriela GARCIA (CICTERRA; CONICET/UNC), Argentina

Secretary Office

Maria Sol RAIGEMBORN (CIG; CONICET-UNLP) Argentina; Karina LECOMTE (CICTERRA; CONICET/UNC), Argentina; and Daniela CUCCARO (UNLP) Argentina



Language of the Congress

The official language of the Congress will be English and no translation facilities will be available.

Congress Theme: *“Sedimentology at the Foot of the Andes”*

The Andes is one of the most prominent geological features in South America. From the Altiplano-Puna, the second high-elevated plateau in the world, through the Main Cordillera, with elevations close to 7000 m, to the Southern Patagonian Andes, with beautiful glaciers and lakes, the Andean belt provides a unique variety of settings to unravel the interaction between tectonics and climate, geomorphology, geochemistry and sedimentation. High-altitude lakes, dune fields, playas, mega-fans, glaciers and volcanoes make the Andes a natural laboratory to study modern processes. In addition, the Cordillera also provides a unique record of ancient marine and continental strata, including Paleozoic, Mesozoic and Cenozoic sequences reflecting the main evolutionary stages that occurred along the Proto-Andean accretionary margin and the more recent Andean Cycle.

Close to Mendoza, the spectacular Precordillera fold-and-thrust belt and the present day foreland basin expose Cambrian to Cenozoic marine and non-marine successions that offer many possibilities to visit a large variety of sedimentological features. The surrounding region includes excellent field examples for discussing sedimentary processes, such as sedimentary mass flows, erosional rates, geomorphological adjustments, base-level fluctuations versus tectonics, environmental sedimentology and superimposed sedimentary cycling and recurrent basin formation. All these sedimentological processes can be further related to the various episodes of pre-Andean and Andean mountain building.

The 18th-ISC is also conceived to directly reinforce the importance of the sedimentology for society in a changing world. We particularly hope that the Congress will not only be scientifically productive, but will be relevant for current environmental problems and their solutions, especially for the application of sedimentology to understand and deal with the different challenges facing humanity in the 21st century.

Technical Sessions

Four days of parallel session, lectures and poster sessions will be programmed. All participants are invited to submit abstracts for oral and poster presentations. Instructions for the preparation and submission of abstracts will be given in the Second Circular. ***We are open to any suggestions for further Technical Session themes. Please let us know using the enclosed Reply Form!***

Keynote lectures of broad interest will highlight selected sedimentology themes. They will be announced on the Congress website <http://www.isc2010.com.ar/>.

Theme 1: Siliciclastic depositional systems and sequence stratigraphy

- TS1-1. Lacustrine systems
- TS1-2. Glacial systems
- TS1-3. Aeolian systems
- TS1-4. Fluvial and alluvial systems
- TS1-5. Shallow marine-Transitional systems
- TS1-6. Deep-sea systems

Theme 2: Carbonates and evaporites

- TS2-1. Marine carbonates: environment and processes
- TS2-2. Freshwater carbonates: Depositional processes and climatic records
- TS2-3. Microbialites: a geobiological approach to carbonates
- TS2-4. Carbonate diagenesis and geochemistry
- TS2-5. Dolomite and dolomitization
- TS2-6. Travertines
- TS2-7. Evaporites
- TS2-8. Isotope stratigraphy and chemostratigraphy

Theme 3: Sedimentary processes and experimental sedimentology

- TS3-1. Flume experiments and sedimentary processes
- TS3-2. Recent developments in experimental sedimentology

Theme 4: Basin analysis

- TS4-1. Tectonics, climate and sedimentation
- TS4-2. Sedimentation in foreland basins
- TS4-3. Sedimentation in rift basins
- TS4-4. Sedimentation in strike-slip and forearc basins
- TS4-5. Articulating provenance, weathering and transport within basin analysis

Theme 5: Numerical modelling in Sedimentology

- TS5-1. Basin analysis modelling
- TS5-2. Basin modelling and energy-water resources
- TS5-3. Numerical models on morphodynamics sediment transport and stratigraphy
- TS5-4. Numerical modelling and quantification of burial processes

Theme 6: Petrology and geochemistry of siliciclastic sediments

- TS6-1. Petrology in diagenetic studies
- TS6-2. Petrology and geochemistry in provenance and weathering studies
- TS6-3. Clay mineralogy and geochemistry
- TS6-4. Inorganic geochemistry.
- TS6-5. Sedimentary organic matter in modern and ancient systems

Theme 7: Volcano-sedimentology

- TS7-1. Volcanogenic sedimentation
- TS7-2. Eruptions and tephra dispersal



TS7-3. Facies models in volcanic settings

Theme 8: Palaeontology and sedimentology

- TS8-1. Sedimentology and Palaeoecology
- TS8-2. Taphonomy and preservation in sedimentary environments
- TS8-3. Fossil record and sequence stratigraphy
- TS8-4. Ichnology and sedimentary facies

Theme 9: Geohazards and applied sedimentology

- TS9-1. Environmental sedimentology
- TS9-2. Landslide, liquefaction and gravity flow
- TS9-3. Mass wasting event and related sediments
- TS9-4. Coastal environment management
- TS9-5. Volcanic risk and managing
- TS9-6. Anthropogenic influence and pollution in the sedimentary cycle
- TS9-7. Remote Sensing of sedimentary processes
- TS9-8. Environmental catastrophes and their sedimentary record

Theme 10: Resource sedimentology

- TS10-1. Hydrocarbon deposits: coal, petroleum and gases
- TS10-2. Hydrocarbon geochemistry
- TS10-3. Placer deposits and aggregate resources
- TS10-4. Gas hydrates: origin, exploration, and resource potential
- TS10-5. Hydrocarbon reservoirs and source rocks

Theme 11: Palaeoclimatology

- TS11-1. Quaternary climate archives
- TS11-2. Palaeoceanography
- TS11-3. Palaeolimnology
- TS11-4. Geoarcheology and climate change.
- TS11-5. Paleosoils

Theme 12: Education, communication and outreaches of sedimentology

Special Symposia

There is an open call to proposals for Special Symposia. If you would be interested to organise one, please contact Daniel Ariztegui (daniel.ariztegui@terre.unige.ch) from the Scientific Programme Committee.

Short Courses

Several pre-Congress short courses will be offered. Detailed information about dates and costs will be included in the Second Circular.

Field Excursions

Field excursions covering a wide variety of sedimentological areas from Northern Argentina to Patagonia will be held both before and after the meeting. A mid-congress field excursion (one day) will be organised to visit the Cambrian to

Cenozoic marine and non-marine successions in the Precordillera. A definitive list of scheduled field trips will be published in the Second Circular along with more details concerning timing, duration and costs.

Social Programme

An icebreaker party will take place on the evening of the 26th of September 2010 at the Congress and Exhibition Centre. A conference dinner will be offered (date and cost to be confirmed). The city of Mendoza and the surrounding areas have numerous interesting places to visit: hot springs, mountains, vineyards and the Aconcagua, the highest peak in the Americas. The organising committee will arrange several attractive tours for accompanying persons. Details will be published on the conference web page.

Secretariat and Correspondence

Address all correspondence to:
Dr Sergio Matheos - Secretary General, CIG (La Plata)
ISC2010 Secretariat Office
Calle 1 # 644 (B1900TAC) LA PLATA - ARGENTINA
Phone/Fax: +54-221-4215677/4258696

Registration Fees

An approximate estimate of the registration fees is:

Participating IAS member	€ 180
Participating non-IAS member	€ 280
Students IAS member in the year 2010	€ 70
Students non-IAS members	€ 100
Accompanying member	€ 100

Travel Grants

A limited number of grants will be available for student members of the IAS that will present an abstract at the Congress. Details on when and how to apply for travel grants will appear in the Second Circular.

Sponsorship

The Organising Committee is actively soliciting corporate and government sponsorship to keep the registration fee as affordable as possible.

Insurance

All delegates are advised to take out their own private medical cover and personal insurance for the duration of the Congress and accompanying field excursions.



Travel Agent

Ineltur Viajes (<http://www.inelturviajes.com/>) is the official Travel Agent for the 18-ISC. In order to profit from the Congress discount rate for accommodation and travel, all booking must be made via the official travel agent. Ineltur Viajes will be also available to book and organise private trips within Argentina and neighbouring countries for delegates who wish to arrive before or stay on after the Congress.

Important Dates

Reply to First Circular: 30th November 2008
Distribution of Second Circular: August 2009
Deadline for applying for travel grants:
Deadline for field trip registration: 15th February 2010
Deadline for abstract submission: 30th April 2010
Notice of acceptance of abstracts: 15th Jun 2010
Notice of decision on travel grants: 20th Jun 2010
Deadline for payment of all fees: 1st July 2010

RESPONSE TO THE FIRST CIRCULAR

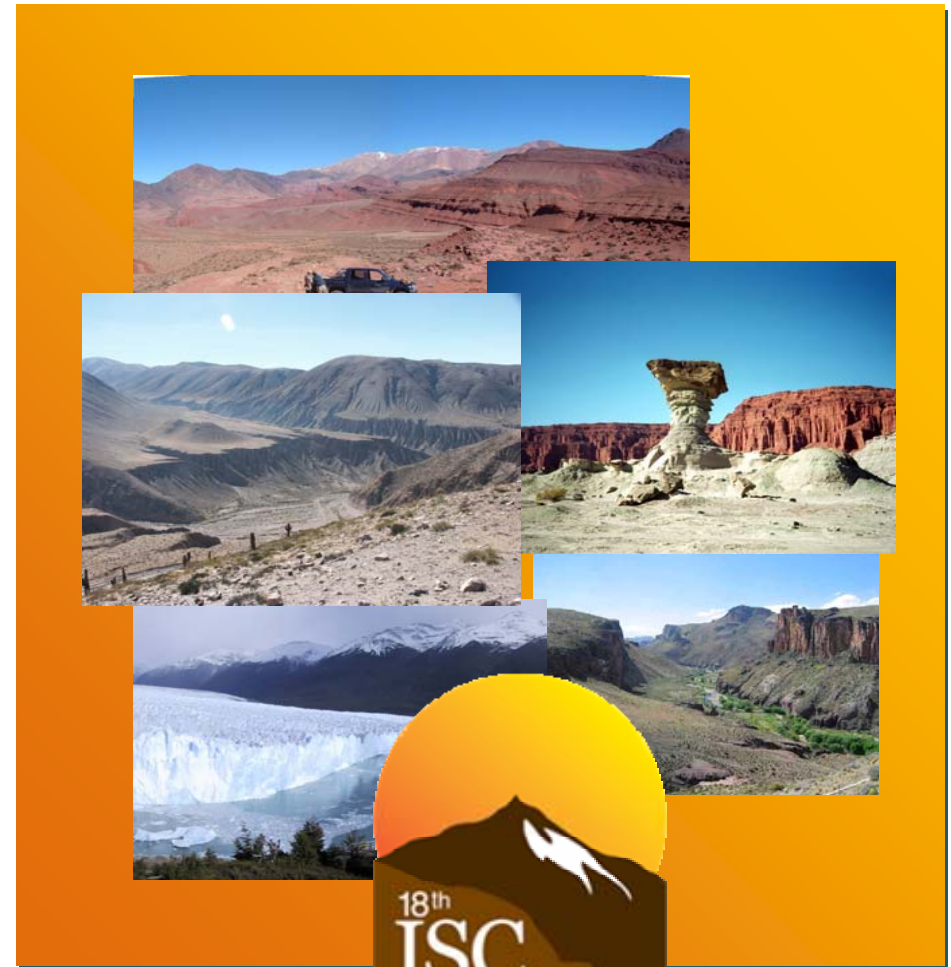
The Second Circular will be mailed to responders to the First Circular.

Congress Website

<http://www.isc2010.com.ar>
secretary@isc2010.com.ar

Information on Mendoza

<http://www.turismo.gov.ar/eng/menu.htm>
<http://www.turismo.mendoza.gov.ar/>
http://www.mendozatravel.com/mendozaciudad/index_en.asp
<http://www.aconcagua.com.ar/index.htm>
<http://www.congresos.mendoza.gov.ar/>
<http://www.inelturviajes.com/>



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