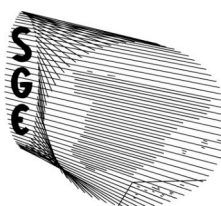


# INTERNATIONAL ASSOCIATION OF SEDIMENTOLOGISTS (IAS)



**SOCIEDAD  
GEOLÓGICA  
DE ESPAÑA**

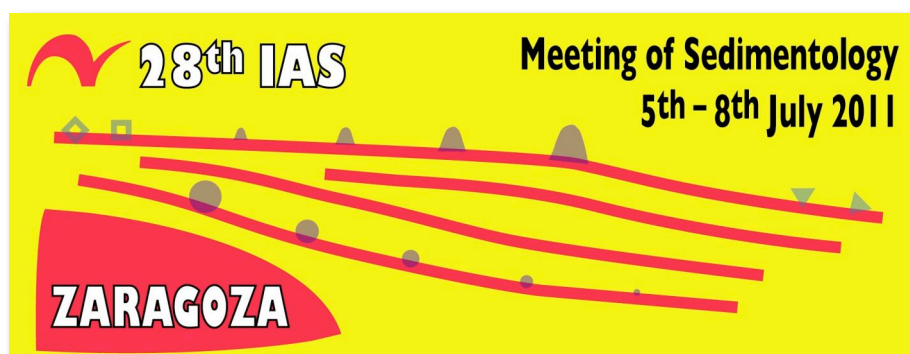
**Department of Earth-Sciences, University of Zaragoza (UNIZAR)  
Geological Society of Spain (SGE & GES)**

are pleased to invite you to Zaragoza (Spain) to participate in the

## **28<sup>th</sup> IAS MEETING OF SEDIMENTOLOGY**

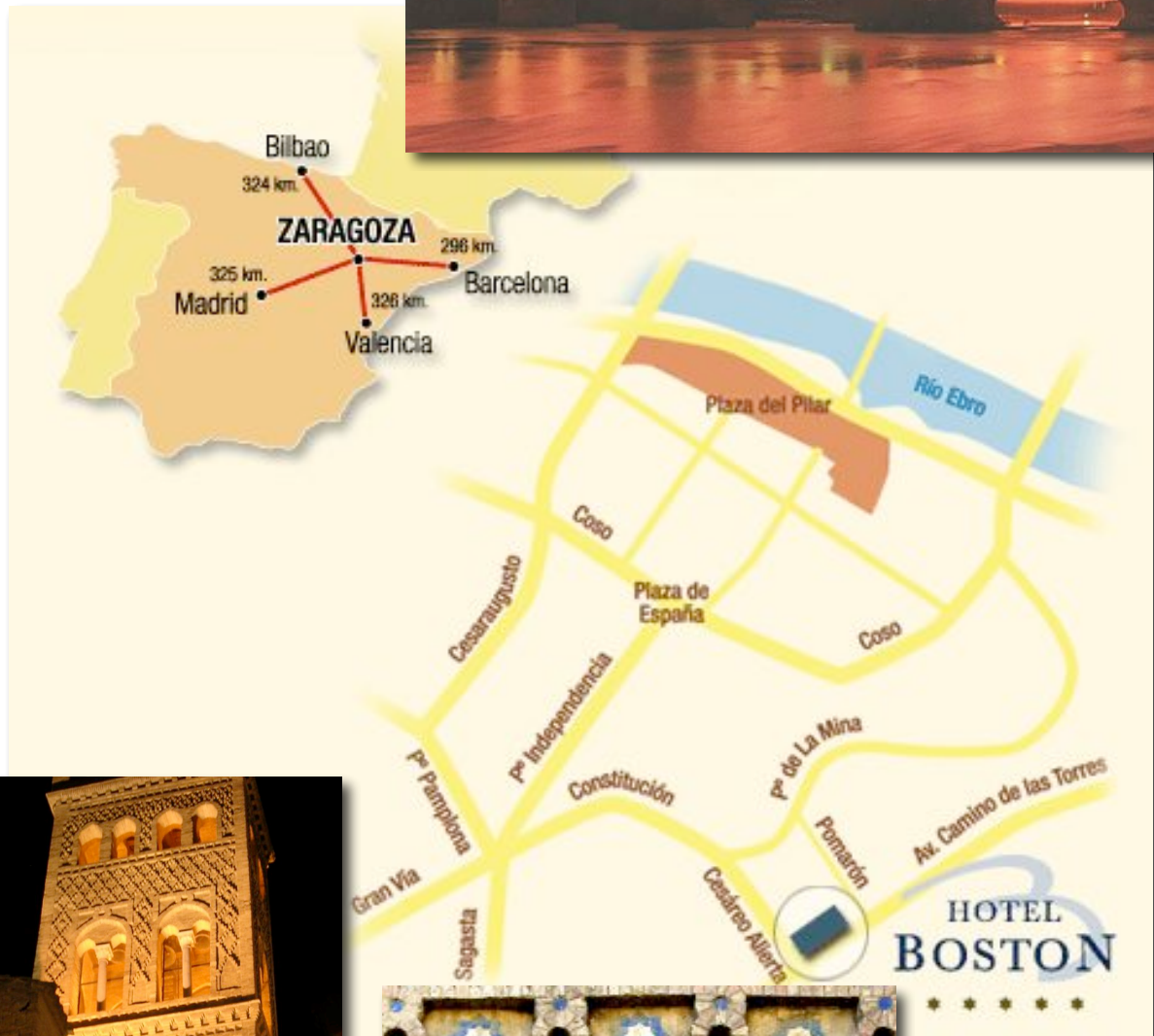
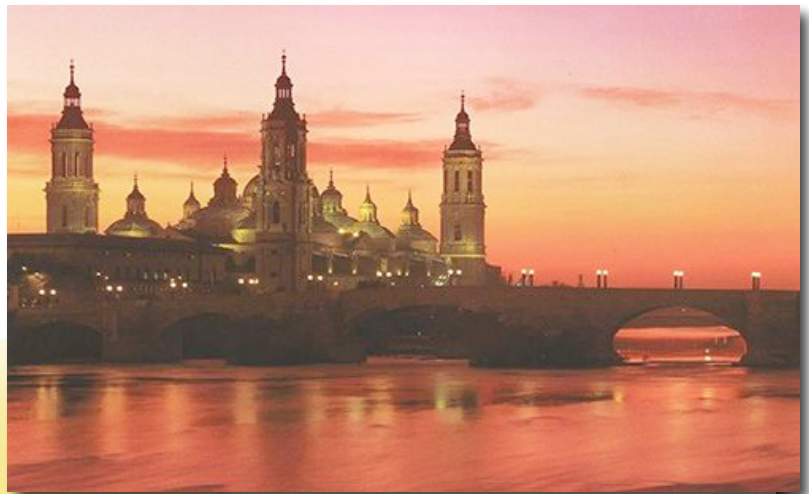
**Zaragoza, Spain  
5<sup>th</sup> – 8<sup>th</sup> July, 2011**

***FIRST CIRCULAR***  
**[www.iasnet.org/ias2011](http://www.iasnet.org/ias2011)**



**WELCOME TO  
THE 28<sup>th</sup> IAS  
MEETING**

**ZARAGOZA  
July 2011**



## INVITATION

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The International Association of Sedimentologists (<http://www.iasnet.org>), the Department of Earth-Sciences of the University of Zaragoza (<http://wzar.unizar.es/acad/fac/geolo/>) and the Geological Society of Spain (<http://www.sociedadgeologica.es/>) are happy to invite participants to the 28<sup>th</sup> IAS Meeting of Sedimentology, to be held in Zaragoza (Spain), on 5<sup>th</sup> – 8<sup>th</sup> July, 2011. The site of the meeting will be the Conference Centre of the Boston Hotel, located in the centre of the city of Zaragoza (<http://www.hotelboston.es>).

## VENUE

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Zaragoza (<http://www.zaragoza.es>) is currently the fifth biggest city in Spain and has 650,000 inhabitants. It is the seat of the Government of Aragón (<http://www.turismodearagon.com>) and is a modern city, which since the sixties has grown considerably.

The strategic location of Zaragoza in the centre of northeast Spain makes it an ideal place for conferences, because it lies in the centre of the Madrid-Barcelona and Bilbao-Valencia axes. Zaragoza can be reached by airplane from several European cities landing at the local airport (<http://www.zaragoza-airport.com>). There is also a regular connection by high-speed (“AVE”) trains from Barcelona and Madrid (<http://www.renfe.es/ave>).

Zaragoza was founded in the year 24 BC by the legions that had taken part in the Cantabrian Wars, in Augustus' time. The city took its name from the emperor Caesar Augustus (Caesaraugusta) and was built nearby the Ebro River (the ancient Iber). It fell under Moorish influence in 714: Zaragoza became Saraqusta, also known as Medina Albayda (white city). In 1118 Alfonso I won Zaragoza and it became the new capital of the Aragón kingdom. A few of the city's most important religious monuments from the 14<sup>th</sup> century are still in good condition, including the churches of mudéjar architecture style, which is characterized by a fusion on Romanic, Gothic and Arabic elements. Founded in 1542, the University of Zaragoza (at present, with 35,000 students) has several campus across the Aragón Community.

One of the most attractive points of the conference will be the possibility to join some of the programmed geological fieldtrips. The surroundings of Zaragoza enclose a wide spectrum of sedimentary rocks, superbly exposed in the outcrops of the Pyrenees, Ebro Basin and Iberian Chain. These sedimentary rocks will be visited by a selection of 14 field trips, covering a wide array of topics and geological ages.

## LANGUAGE OF THE CONGRESS

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English will be the official language of the meeting. No translation facilities will be available.

## ORGANIZING COMMITTEE

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*Chairperson:* MARC AURELL (University of Zaragoza)

*General Secretary:* ARSENIO MUÑOZ (University of Zaragoza)

*Scientific Programme Coordinators:* BEATRIZ BÁDENAS (University of Zaragoza)  
ANA ALONSO-ZARZA (University Complutense Madrid)

*Field Trip Coordinators:* CONCHA ARENAS (University of Zaragoza)  
LUIS POMAR (University of Illes Balears)

*Social Programme Coordinator:* ALFONSO MELÉNDEZ (University of Zaragoza)

## SCIENTIFIC COMMITTEE

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PEDRO ANADÓN (Spain)

ILDEFONSO ARMENTEROS (Spain)

JUAN RAMÓN BAHAMONDE (Spain)

MARC DE BATIST (Belgium)

POPPE DE BOER (The Netherlands)

LLUIS CABRERA (Spain)

JOSÉ PEDRO CALVO (Spain)

MATEU ESTEBAN (Spain)

M ÁNGELES GARCÍA DEL CURA (Spain)

SOLEDAD GARCÍA-GIL (Spain)

PATRIC JACOBS (Belgium)

MARIANO MARZO (Spain)

RAMÓN MAS (Spain)

GONZALO PARDO (Spain)

VINCENZO PASCUCCHI (Italy)

VICTORIANO PUJALTE (Spain)

DILCE ROSSETTI (Brazil)

THOMAS STEVENS (UK)

FINN SURLYK (Denmark)

PETER SWART (USA)

JUAN ANTONIO VERA (Spain)

JOAQUÍN VILLENA (Spain)

CÉSAR VISERAS (Spain)

## SECRETARIAT AND CORRESPONDENCE

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Arsenio Muñoz

28<sup>th</sup> IAS Meeting of Sedimentology

Departamento Ciencias de la Tierra (Estratigrafía), Universidad de Zaragoza

c/ Pedro Cerbuna, 12

50009 Zaragoza, Spain

Webpage: <http://www.iasnet.org/ias2011>

E-mail: [ias2011@unizar.es](mailto:ias2011@unizar.es)

## IMPORTANT DATES

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**July 2010** – Deadline for proposal of special sessions

**October 2010** – Distribution of the Second Circular; on-line pre-registration open

**January 15<sup>th</sup>, 2011** – Deadline for submission of abstracts

**February 15<sup>th</sup>, 2011** – Evaluation of abstracts and e-mail of acceptance sent to authors

**March 1<sup>st</sup>, 2011** – Deadline for payment of registration (conference, field trips) with no extra charge

**June 1<sup>st</sup>, 2011** – Final program sent out to participants, containing all the information of the conference; abstracts available in the web page

## SCIENTIFIC PROGRAMME

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Contributions to every sedimentological topic are welcome. Authors are invited to present their work as oral or poster presentation. Three to five simultaneous sessions (depending on the final number of oral contributions) will be run at the same time. A wide room will be available for poster presentation and several posters sessions will be programmed.

We also plan to organize two plenary sessions on the first and third days, both including several keynote lectures of general interest. One set of lectures will deal with “Sedimentology and climatic change” and the other set with “Frontiers in Sedimentology”. The list of the subjects and speakers will be announced in the Second Circular.

The organizers propose 6 general themes, including 22 sessions. Other sessions can be added depending on the abstracts submitted. In addition, there is also an open call to proposals for *Special Symposia (Theme 7)*. If you would be interested in organizing one, please contact the Organizing Committee ([ias2011@unizar.es](mailto:ias2011@unizar.es)) **before July 2010**.

*Theme 1: Continental depositional environments*

- T1a. Lacustrine and palustrine environments
- T1b. Alluvial fan and fluvial environments
- T1c. Tufas, speleothems, travertines and sinters
- T1d. Aeolian environments
- T1e. Glacial environments

*Theme 2: Marine depositional environments*

- T2a. Coastal environments
- T2b. Carbonate platforms
- T2c. Siliciclastic platforms
- T2d. Deep-sea environments

*Theme 3: Processes in sedimentation*

- T3a. Provenance, weathering and transport
- T3b. Events in sedimentation
- T3c. Ichnology and taphonomic processes applied to sedimentology
- T3d. Microbial related structures

*Theme 4: Basin Analysis*

- T4a. Climatic signatures in sedimentation
- T4b. Sedimentation and tectonics
- T4c. Sequence stratigraphy and cyclostratigraphy
- T4d. Numerical modelling in sedimentary systems

*Theme 5: From sediments to rocks*

- T5a. Diagenesis of non-carbonate sediments
- T5b. Diagenesis of carbonate sediments

*Theme 6: Applied and resource sedimentology*

- T6a. Environmental sedimentology and geohazards
- T6b. Hydrocarbon reservoirs and water resources
- T6c. Heritage and communication in sedimentology

*Theme 7: Special Symposia*

Open call to proposals for special sessions (*deadline July 2010*).



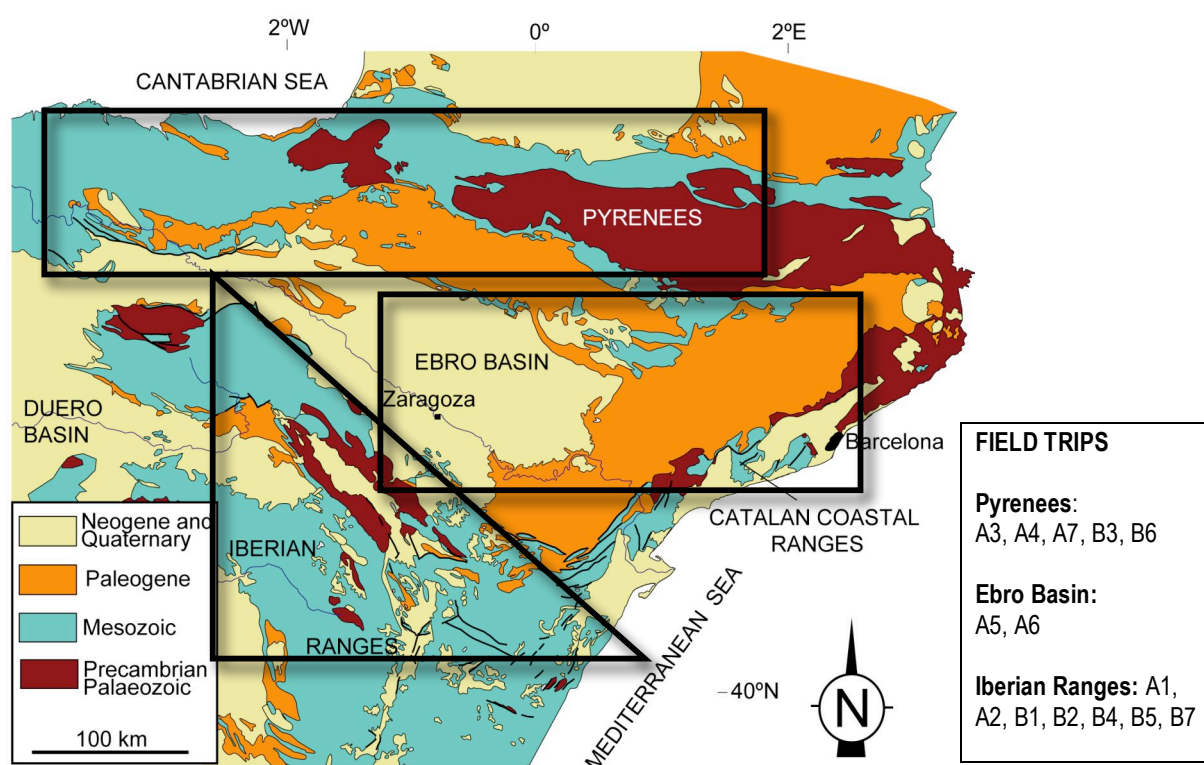
## FIELD TRIP PROGRAMME

Fourteen field trips of two or three days of duration are programmed to be run before and after the conference. These are organized by researchers with broad experience in analysing the superbly exposed sedimentary successions in the several geological units of NE Spain: the Iberian Ranges, the Ebro Basin and the Pyrenees.

The topics of the field trips are covering a wide range of facies, sedimentary environments and ages: from the Paleozoic and Mesozoic rocks of the Iberian Ranges to the marine and continental Tertiary syntectonic units deposited in southern Pyrenees (Aínsa Basin) and in the foreland Ebro Basin.

Three of these field trips will visit Quaternary and present-day deposits: fluvial deposits outlining the dissolution-collapse processes operating around the Ebro valley, tufas developed along two river's valleys crossing the Iberian Ranges, and the sedimentary record of three lakes on the southern edge of the Pyrenees.

The field trips are a key point of interest of the IAS 2011 conference, and we anticipate in this first circular the preliminary title and leading persons of the programmed field trips. More detailed information on these trips is on the Web page (<http://www.iasnet.org/ias2011>). Other logistical information (costs, departure and arrival points) will be provided in the Second Circular. If you need additional information, please contact the Organizing Committee.



## PRE-MEETING FIELD TRIPS

### A1

*Late Ordovician carbonate productivity, iron ore precipitation, and glaciomarine deposits in the Iberian Ranges*

J.J. Álvaro, I. Subías & A. López-Ciriano

### A2

*The Aptian carbonate system of the Western Maestrat Basin: a book example of four systems tract-based sequence stratigraphy*

T. Bover-Arnal, R. Salas, P.W. Skelton, J.A. Moreno & E. Gili

### A3

*Structurally controlled hydrothermal dolomitization in the Albian of the Ramales carbonate platform (Biscay and Cantabria provinces)*

M. López-Horgue & E. Iriarte

### A4

*Carbonate platform models, sea level changes and extreme climatic events during the Paleocene-Early Eocene greenhouse interval: a basin-platform-coastal plain transect across the southern Pyrenean Basin*

J.I. Baceta & V. Pujalte, coordinators

### A5

*Integrated analysis of a marine to continental transition in an evolving foreland: advanced case studies in the eastern Ebro Basin (Eocene-Early Miocene)*

L. Cabrera, P. Arbués, J.L. Cuevas, M. Garcés, M. López Blanco & M. Marzo

### A6

*Sedimentary record related to the evolution of Quaternary dolines in the central Ebro Basin*

A. Luzón, A. Pérez, A. Pocoví & M.A. Soriano

### A7

*Quaternary karstic lakes in the Pre-Pyrenees: The Arreo, Estanya and Montcortés sequences and their depositional evolution and paleoclimate implications*

B. Valero-Garcés, P. Corella, M. Morellón, A. Moreno, P. González-Sampériz & A. Pérez



## POST-MEETING FIELD TRIPS

### B1

*Permian-Triassic continental rocks of the SE Iberian Ranges: architecture, tectonics and geochemical characteristics in the context of a rift basin*

J. López-Gómez, A. Arche, J.F. Barrenechea, R. de la Horra, B. Galán-Abellán

### B2

*The Late Jurassic carbonate ramps of the central Iberian Basin: architecture, facies distribution and cyclostratigraphy*

M. Aurell, B. Bádenas, J. Ipas, C. Colombié, L. Pomar & M. Al-Nazghah

### B3

*The record of the OAE1a in a highly subsiding platform setting (Sierra de Aralar)*

M. I. Millán, J. García-Mondéjar & K. Fernández-Mendiola

### B4

*Evolution of an intra-plate rift basin: the Latest Jurassic-Early Cretaceous Cameros Basin (NW Iberian Ranges)*

R. Mas, M.I. Benito, J. Arribas, A. Alonso, M.E. Arribas, L. González-Acebrón, J. Hernán, E. Quijada & P. Suárez

### B5

*From back-erg to fore-erg: the mid-Cretaceous Iberian Desert System (Iberian Basin)*

J.P. Rodríguez-López, M.N. Meléndez, P.L. de Boer, A.R. Soria & C. Liesa

### B6

*Exploring the relationships between deepwater and shallow-marine deposits in the Ainsa piggy back basin fill (Eocene South-Pyrenean Foreland Basin)*

P. Arbués, M. Butillé, M. López-Blanco, M. Marzo, J.A. Muñoz & J. Serra-Kiel

### B7

*Quaternary and present-day tufa systems of the Piedra and Añamaza rivers (Iberian Ranges)*

C. Arenas, L.F. Auqué, C. Osácar, G. Pardo, C. Sancho & M. Vázquez-Urbez

## **REGISTRATION FEES**

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An approximate estimate of the registration fees is:

Participating IAS member: 240 €

Participating non-IAS member: 320 €

Student IAS member in the year 2011: 100 €

Student non-IAS member: 130 €

Accompanying person: 100 €

## **ACCOMMODATION**

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Zaragoza has many possibilities of accommodation, from hotels of different categories to youth hostel and campings. A list of the more convenient hotels at the centre of Zaragoza and more details about the accommodation facilities will be provided in the Second Circular.

## **SOCIAL EVENTS**

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The city of Zaragoza is very alive and has many interesting historical and archaeological places to visit (<http://www.zaragoza.es/ciudad/turismo/>). The organizing committee will arrange several attractive tours for accompanying persons. They will be posted on the website and in the Second Circular.

An icebreaker party will take place on the evening of the 5<sup>th</sup> of July 2011 at the Conference Centre of the Boston Hotel. A conference dinner will be also offered (place and cost to be announced in the Second Circular).

## **PRELIMINARY REGISTRATION**

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For preliminary registration, use the electronic registration facility at <http://www.iasnet.org/ias2011>



Kimmeridgian reef (Iberian Ranges, B2 Trip)



Montcortés Lake (A7 Trip)



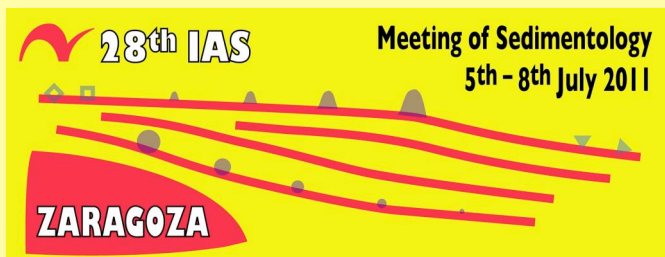
Aptian platforms (A2 Trip)



Buntsandstein facies (B1 Trip)



Upper Danian reef complex (A4 Trip)



**The 28<sup>th</sup> IAS Meeting at  
ZARAGOZA (NE Spain)**

**Have a field trip around....**