

Second Circular

October 10-12, 2017
Toulouse **FRANCE**

ims2017.sciencesconf.org



Congress dates : 10-12 October 2017

Web site : <http://ims2017.sciencesconf.org>

Contact : ims2017@sciencesconf.org

Chair : Delphine Rouby, Élise Nardin, Markus Aretz (*Géosciences Environnement Toulouse*)

Local Committee Members

Scientific Committee Members

Congress Venue : Centre de Congrès Pierre Baudis

11, esplanade Compans-Caffarelli, Toulouse, France

Location Map



Toulouse, France

Fees	before June 15 th 2017	after June 15 th 2017
Regular	350€	600€
IAS/ASF Members	300€	400€
Students	250€	300€

Milestones

Deadline for **Abstract submission**
June, 15th 2017

Deadline for **Early bird registration**
June, 15th 2017

Scientific program and 3rd circular
July 2017

Congress schedule

7-9 oct 2017	Pre-meeting excursions	
10-12 oct 2017	Scientific themes	
	<ul style="list-style-type: none"> • Carbonates & Bioconstructions • Clastic Sedimentary Processes (continental, coastal & marine) • Paleo-environments & Paleo-climates • Reading times in sediments • Sedimentary Basins & their dynamics (tectonics, climate, sedimentation & surface processes) • Sources & Sinks (sedimentary budgets and source tracing) • Sedimentology & Ressources • Fluids/sediments interactions and Diagenesis 	Exhibition Careers forum Teachers forum Public lecture
13-15 oct 2017	Post-meeting excursions	

Scientific Program

TRANSVERSE SESSIONS

T1 Understanding salt giants and their geological, geochemical and biological impacts

T2 Planetary Sedimentology: Mars, Titan, and elsewhere

1. SYMPOSIUM CB1 - Carbonates & Bioconstructions

CB 1.0 Open Session on Carbonates & Bioconstructions

CB1.1/PP3.10 Carbonate systems: is the modern still the key for the future?

CB1.2 Continental carbonates: controls on facies types and depositional architecture

CB1.3 Carbonate slopes and basins: Sedimentary processes and archives through time

CB1.4/PP3.11 Bio-Geo-Interactions in marine carbonate systems: causes and effects through space and time

CB1.5/FSD8.6 Microbialites: a multidisciplinary approach for improved understanding of extant and extinct systems

CB1.6 Carbonate platforms

CB1.7 Non-tropical marine carbonates and modern analogues

CB1.8 Reefs and bioconstructors

CB1.9/SS6.4 Carbonate production and accumulation: from observations to numerical modelling

SS6.1/**CB1.10/CSP2.10** Multiscale approach: a key for better assessment of sedimentary driving forces?

SR7.3/FSD8.7/**CB1.11** Impact of facies and diagenesis on Hydrocarbon Carbonate Reservoirs quality

FSD8.3/**CB1.12** Carbonate diagenesis

2. SYMPOSIUM CSP2 - Clastic Sedimentary Processes

CSP2.0 Open Session on Clastic Sedimentary Processes

CSP2.1 Short-term evolution and sedimentary and/or human controls of coastal depositional systems: lessons gained from ancient to Holocene examples

CSP2.2/SS6.5 Provenance, weathering and sorting: Disentangling the parameters controlling sediment composition

CSP2.3/SS6.5/SR7.10 Quantitative analysis of sediment generation, provenance, and diagenesis: keys to reconstructing Earth-surface processes

CSP2.4 Lacustrine depositional systems

CSP2.5 Sediment density flows in siliciclastic, pyroclastic and calciclastic settings: process and product

CSP2.6/SS6.7 Eolian systems and their preserved successions: processes, preservation in time and space, response to climatic and tectonic controls, and implications for source-to-sink sediment distribution

CSP2.7 Coastal sediment dynamics from past to present

CSP2.8 PaleoHazards

CSP2.9/SB5.7 ---Sequence Stratigraphy in Glaciogenic Depositional Systems

SS6.1/CB1.10/**CSP2.10** Multiscale approach: a key for better assessment of sedimentary driving forces?

SS6.3/**CSP2.11/SB5.9** Alluvial to fluvial dynamics: a key element in source-to-sink quantification

3. SYMPOSIUM PP3 - Paleo-Environments and Paleo-Climates

PP3.0 Open Session on Paleo-environments and Paleo-climates

PP3.1 Late Paleozoic environments and global change

PP3.2 The Permian-Triassic transition and the onset of the Mesozoic sedimentation

PP3.3 Jurassic-Cretaceous climates, (bio)-events and paleogeography: from data to modelling

PP3.4 Cenozoic Climates

PP3.5 Southern European lake sediments as archives and observatories of climate changes and human-environment interactions

PP3.6 Sedimentary records of Quaternary climate changes in mid-latitude mountains at different spatial and temporal scales

PP3.7/SB5.8 Sedimentary Records of Ancient Glaciations

PP3.8 Paleoenvironmental reconstructions: What can be learnt from authigenic minerals?

PP3.9 Paleoclimates and paleoenvironments: data vs. models

CB1.1/**PP3.10** Carbonate systems: is the modern still the key for the future?

CB1.4/**PP3.11** Bio-Geo-Interactions in marine carbonate systems: causes and effects through space and time

RTS4.1/**PP3.12** Continental trace fossils as tools in stratigraphy and environmental interpretation

4. SYMPOSIUM RTS4- Reading Time in Sediments

RTS4.0 Open Session on Reading Time in Sediments

RTS4.1/PP3.12 Continental trace fossils as tools in stratigraphy and environmental interpretation

RTS4.2 Diachronism in the paleontological record: pitfall or paleoceanographic tool?

RTS4.3 Reading geological time - climate and cyclostratigraphy

RTS4.4 Sedimentology at the forefront of the Anthropocene

5. SYMPOSIUM SB5 – Sedimentary Basins

SB5.0 Open Session on Sedimentary Basins

SB5.1 Recent advances in 3D Seismic Stratigraphy: from sedimentary processes to basin studies

SB5.2 Subduction-related basin dynamics

SB5.3/SS6.8/SR7.11 Sedimentological, stratigraphic and geomorphic record of orogen-foreland dynamics - (OROGEN)

SB5.4/SS6.9/SR7.12 Extensional basins: rifts and passive margins PAMELA-ACTION MARGE

SB5.5/SS6.10 Interactions of Sedimentation and Tectonics

SB5.6/SS6.11/SR7.13 Advances in South American continental basins

CSP2.9/**SB5.7** Sequence Stratigraphy in Glaciogenic Depositional Systems

PP3.7/**SB5.8** Sedimentary Records of Ancient Glaciations

SS6.3/CSP2.11/**SB5.9** Alluvial to fluvial dynamics: a key element in source-to-sink quantification

SR7.6/**SB5.10** Frontier Basins and new exploration plays

6. SYMPOSIUM SS6 – Sources and Sinks

SS6.0 Open Session on Sources and Sinks

SS6.1/CB1.10/CSP2.10 Multiscale approach: a key for better assessment of sedimentary driving forces?

SS6.2/SR7.14 New insights into the numerical stratigraphic forward modeling of sedimentary systems from depositional environments to source-to-sink scale.

SS6.3/CSP2.11/SB5.9 Alluvial to fluvial dynamics: a key element in source-to-sink quantification

CB1.9/**SS6.4** Carbonate production and accumulation: from observations to numerical modelling

CSP2.2/**SS6.5** Provenance, weathering and sorting: Disentangling the parameters controlling sediment composition

CSP2.3/**SS6.6/SR7.10** Quantitative analysis of sediment generation, provenance, and diagenesis: keys to reconstructing Earth-surface processes

CSP2.6/**SS6.7** Eolian systems and their preserved successions: processes, preservation in time and space, response to climatic and tectonic controls, and implications for source-to-sink sediment distribution

SB5.3/**SS6.8/SR7.11** Sedimentological, stratigraphic and geomorphic record of orogen-foreland dynamics - (OROGEN)

SB5.4/**SS6.9/SR7.12** Extensional basins: rifts and passive margins (PAMELA-ACTION MARGE)

SB5.5/**SS6.10** Interactions of Sedimentation and Tectonics

SB5.6/**SS6.11/SR7.13** Advances in South American continental basins

SR7.1/**SS6.12** Role of depositional environment and climate in the formation of continental sedimentary-hosted ore deposits: Placer (Au), Exotic (Cu) and others (COPEDIM)

7. SYMPOSIUM SR7 – Sedimentology and Resources

SR7.0 Open Session on Sedimentology and Resources

SR7.1/SS6.12 Role of depositional environment and climate in the formation of continental sedimentary-hosted ore deposits: Placer (Au), Exotic (Cu) and others (COPEDIM)

SR7.2 Ore geology in sedimentary realm

SR7.3/FSD8.7/CB1.11 Impact of facies and diagenesis on Hydrocarbon Carbonate Reservoirs quality

SR7.4/FSD8.8 Geothermal studies in sedimentary basins with clay minerals and organic indices to characterize present-day geotherms, fluid- and hydrocarbon migration systems

SR7.5 Sedimentology of Unconventional Systems

SR7.6/SB5.10 Frontier Basins and new exploration plays

SR7.7 To the Energy Transition: the role of sedimentology in Gas, CO₂ and Energy Storage, and Optimization of Gas Production

SR7.8 Outcrop analogues: modern study techniques, application in subsurface geology and knowledge transfer

SR7.9 Quantitative data from modern systems applied to subsurface case studies: strengths and pitfalls

SB5.3/SS6.8/**SR7.11** Sedimentological, stratigraphic and geomorphic record of orogen-foreland dynamics - (OROGEN)

SB5.4/SS6.9/**SR7.12** Extensional basins: rifts and passive margins (PAMELA-ACTION MARGE)

SB5.6/SS6.11/**SR7.13** Advances in South American continental basins

SS6.2/**SR7.14** New insights into the numerical stratigraphic forward modeling of sedimentary systems from depositional environments to source-to-sink scale.

8. SYMPOSIUM FSD8 – Fluids/Sediments interactions & Diagenesis

FSD8.0 Open Session on Fluids/Sediments interactions & Diagenesis

FSD8.1 Seismic-scale fluid/sediment interactions

FSD8.2 Thermochemical and bacterial sulfate reduction: processes, products, effects, analysis

FSD8.3/CB1.13 Carbonate diagenesis

FSD8.4 Clay mineral controls on pore-scale reservoir quality of clastic systems

FSD8.5 IODP - Deciphering the composition of sediment porewaters

CB1.5/**FSD8.6** Microbialites: a multidisciplinary approach for improved understanding of extant and extinct systems

SR7.3/**FSD8.7/** CB1.11--- Impact of facies and diagenesis on Hydrocarbon Carbonate Reservoirs quality

SR7.4/**FSD8.8** Geothermal studies in sedimentary basins with clay minerals and organic indices to characterize present-day geotherms, fluid- and hydrocarbon migration systems

WORKSHOPS

WS1 2D/3D Seismic Geomorphology Workshop Course applied to Siliciclastic Depositional Systems

WS2 How to write a successful research proposal

WS3 How to write a successful paper for Sedimentology or The Depositional Record

EXCURSIONS

Pre Congress Excursions

FT1 The Eocene marine sedimentation in the Southern Pyrenean Basin: a basin-slope-platform transect

FT2 Seismic-scale fluid migration features in a passive margin setting. Outcrop analogues from the Mesozoic SE France Basin

FT3 The Bay of Mont Saint Michel. Facies, Morphodynamics and Holocene evolution of a hypertidal coastal environment

FT4 Estuarine, coastal marine facies and geobodies architecture in the Gironde estuary and the Atlantic coast (SW France)

FT5 Foreland basin evolution in the Southern Pyrenees, Aragon, Spain

FT6 Depositional controls on Marine Source rocks : impact in Conventional and Unconventional Petroleum Systems (Lower Jurassic of the Cantabrian Region, North Spain).

FT7 Geological walk in Toulouse

Post Congress Excursions

FT8 Lacustrine carbonate-evaporite series in rift basin: Facies, architectures, controls on sedimentation and tectonic evolution

FT9 The Pyrenees: from the Cretaceous inner trough to the alpine foreland basins. The tecto-sedimentary evolution of the orogen presented along 2 sections crossing the central part of the belt

FT10 Geology and Bordeaux Wines

FT11 From syn-rift to sag, Eocene-Oligocene tectono-stratigraphy of the Southern Upper Rhine Graben (URG, France, Germany, Switzerland). An analog for multisegmented intra-continental rift basins.

FT12 Ilerdian sedimentation through the Carcassonne Gulf (Corbières, France)

FT13 Architecture and evolution of a syntectonic river-dominated delta: the Middle Eocene Sobrarbe deltaic complex (South-Pyrenean Foreland Basin, Aragon, Spain)

FT14 Quaternary terraces along the Ariège and Garonne Rivers south of Toulouse

FT15 Pre- to syn-orogenic tectonics-sedimentation relationships in the eastern north-pyrenean foreland

FT16 Soil “terroir” and wine in the Gaillac appellation

Venue

Welcome to Toulouse, the “Ville Rose”!

Young, modern and dynamic: Toulouse. This city tingles your spine with a Latin heat that inspires both its temperature and architecture. Toulouse is the 4th largest French city, in the heart of southwestern France. The town is ideally located halfway between the Pyrénées Mountains, the Atlantic Ocean and the Mediterranean Sea. Toulouse is traversed by the Garonne River and the charming Canal du Midi.

Short history. The city seduces by its small sinuous streets and diverse medieval to modern monuments, as the City Hall and its Donjon (XVIth), or the numerous noble townhouses (XVIth-XIXth). Toulouse is a cosmopolitan and enthusiastic town, mixing historical heritage and modern lifestyle

University and High Tech Sciences. The university, founded in 1229, is the third largest in France, one of the oldest in Europe. Major fields are Aeronautics, Electronics and Electrotechnics, Agronomy, Health Sciences and Earth and Planetary sciences.

Cultural aspects. Toulouse has one of the most intense cultural calendars sustained by one of the best symphonic orchestra of France, a variety of music festivals and theaters, and a large variety of museums. Gastronomic specialties include the famous ‘saucisse de Toulouse’, the ‘Cassoulet’, and the delicate ‘foie gras’.

A little bit of sport. Toulouse is also well known for its rugby union club, its professional football team and the top-level handball and volleyball teams.

Climate. The Toulouse region has pleasant temperate climate at the beginning of the autumn (~ 20°C).

Events

Icebreaker party. An ice breaker party will be organized in the evening of October 9th downtown Toulouse.

Conference Dinner. A conference dinner will be held within the “Mas Tolosa” located a few kilometers outside Toulouse, a typical house of South-West France. The busses will leave from the Palais des Congrès after the poster sessions and return to the Palais des Congrès between 11pm to Midnight.

Your free time. Toulouse has a number of attractions within the city and in its surroundings: the old town, the borders of the Garonna river, the city of Carcassonne... Consult the [website](#) to prepare your touristic tour.

Transport

Toulouse can be easily reached by car (Motorways A61, A62, A64, A68), [train](#) (Toulouse Matabiau station) and [airplane](#) (Airport Toulouse Blagnac). It includes [public transportation](#) (bus and metro)

Accommodation

Toulouse offers a diverse range of stylish hotels, comfortable vacation apartments, guesthouses, and youth hostels. [Hotel list](#)

International Meeting of Sedimentology 2017

33rd IAS & 16th ASF Joint Meeting

Sources
Carbonates stimulate methods
interactions Resources combined global
future knowledge Diagenesis sediments Earth past experiences
collaborations Sedimentary
Paleoenvironments
share challenges geology
Understanding Sedimentology
gather sedimentological new
environments associated Processes opportunity
Paleoclimates deep geological processes Clastic
view rewarding

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