

8th International Conference (IAG) on
Geomorphology
CONFERENCE PROGRAMME


PARIS - 2013

27-31 August

« *Geomorphology and
sustainability* »

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Dear colleagues, dear friends,

This is a great pleasure to welcome you at the 8th International Conference on Geomorphology of the International Association of Geomorphologists (IAG), held in Paris (27-31 August 2013).

This programme presents the scientific content of the Conference, and provides information about social events, field trips and practical details.

On the scientific side:

- 27 sessions covering the majority of geomorphological topics,
- 5 keynotes delivered by well-known experts: Denys Brunsden, Vic Baker, Ana Luiza Coelho Netto, Asfawossen Asrat, Xiaoping Yang,
- 7 inter-conferences and 6 post-conference field trips organized by French, Italian and Swiss geomorphologists.
- 2 books about the Geomorphology of France: "Géomorphologie de la France" coordinated by D. Mercier (Dunod), and "Landscapes and Landforms of France" edited by M. Fort and M.F. André, (new Springer series directed by P. Migón).

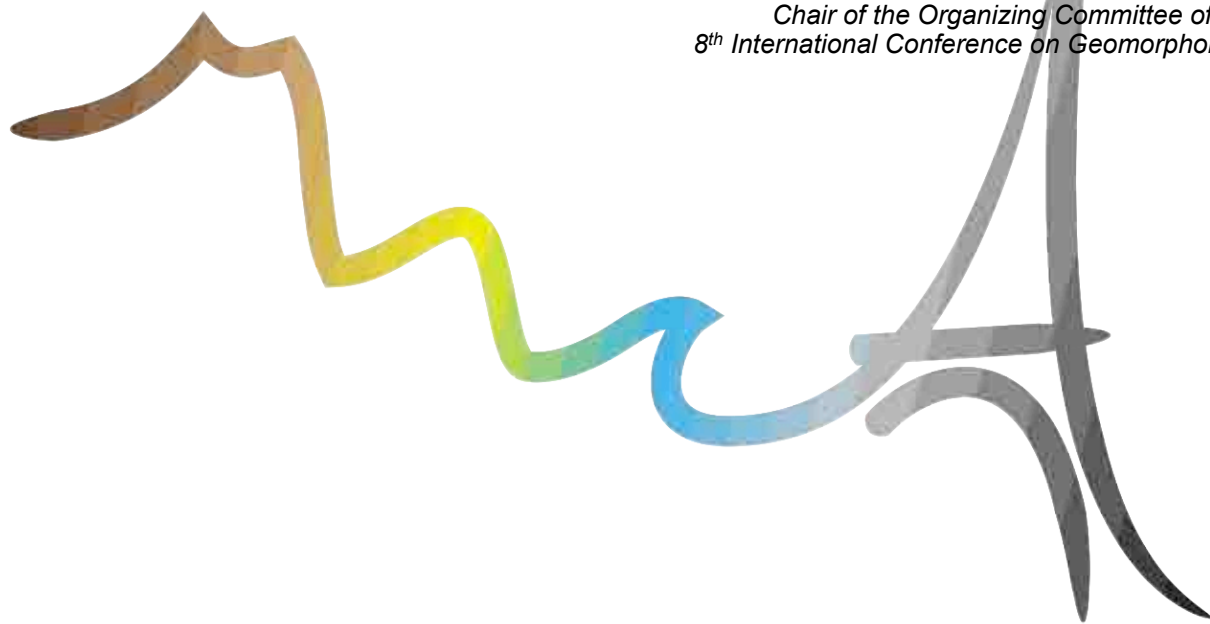
On the social side:

- Welcome cocktail at Paris City Hall on Tuesday August 27,
- Wine & Cheese served in the Conference venue on Wednesday August 28,
- Gala evening on the Seine River on Friday August 30.

The Organizing Committee (M. Fort, M.-F. André, E. Cossart, F. Bétard, Y. Le Drézen, N. Carcaud, D. Mercier, C. Le Coeur, L. Lespez, C. Giusti, N. Vanara, M. Ghilardi, Nicolas Jacob, G. Arnaud-Fassetta) and myself wish you a fruitful conference and a very pleasant time in Paris, and would like to warmly thank the International Association of Geomorphologists (IAG) and its Executive Committee for putting their trust in the French community of geomorphologists.

Collectively, we are all very grateful to the Institutions: Marie de Paris, Conseil Régional d'Ile de France, CNRS, Ministère de la Recherche, European Geosciences Union, Fédération Française des Géosciences and to all sponsors that have kindly provided financial and logistical support in a difficult economic period.

Stéphane Costa (University of Caen. LETG Géophen)
*Chair of the Organizing Committee of the
8th International Conference on Geomorphology*



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CENTRE DE CONGRÈS DE LA VILLETTE
CITÉ DES SCIENCES ET DE L'INDUSTRIE

*Réalisé avec l'aide du Ministère de l'Enseignement supérieur et de la Recherche
Action soutenue par la Région Ile-de-France (tel: 08 10 18 18 18)*

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WEISROCK André	Univ. Nancy, France
WILLIAMS Martin	Univ. Adelaide, Australia
YANG Xiaoping	Chinese Acad. Sciences, Beijing, China

PROGRAM OVERVIEW

Monday August 26

14:30 - 18:30 Pre-registration

15:00 - 19:00 IAG meeting (Executive Committee meeting of the outgoing EC)

Tuesday August 27

08:00 Registration

09:30 - 11:00 1st IAG General Assembly

11:00 - 11:30 Opening Session

11:30 - 12:30 Keynote Lecture by Prof. Denys Brunsden

12:30 - 13:45 Break & Poster Session

13:45 - 16:30 Parallel Sessions

16:30 - 17:00 Coffee Break & Poster Session

17:00 - 18:00 Keynote Lecture by Prof. Victor Baker

19:00 - 21:00 Welcome Cocktail at Paris City Hall (Hôtel de Ville)

Wednesday August 28

08:00 - 10:15 Parallel Sessions

10:15 - 10:45 Coffee Break & Poster Session

10:45 - 12:30 Parallel Sessions

12:30 - 13:45 Break & Poster Session

13:45 - 15:45 Parallel Sessions

15:45 - 16:15 Coffee Break & Poster Session

16:15 - 18:30 Parallel Sessions

18:30 - 19:30 Keynote Lecture by Prof. Ana Luiza Coelho Netto

19:30 - 20:30 Wine & Cheese

Thursday August 29

One-day intercongress fieldtrips

Friday August 30

08:00 - 10:30 Parallel Sessions

10:30 - 11:00 Coffee Break & Poster Session

11:00 - 12:45 Parallel Sessions

12:45 - 14:00 Break & Poster Session

14:00 - 16:00 Parallel Sessions

16:00 - 16:30 Coffee Break & Poster Session

16:30 - 18:15 Parallel Sessions

18:15 - 19:15 Keynote Lecture by Prof. Asfawossen Asrat

20:00 - 23:30 Gala Evening on the Seine River (Péniche "Le Boréas")

Saturday August 31

08:00 - 10:15 Parallel Sessions

10:15 - 10:45 Coffee Break & Poster Session

10:45 - 12:30 Parallel Sessions

12:30 - 13:45 Break & Poster Session

13:45 - 16:15 Parallel Sessions

16:15 - 16:45 Coffee Break & Poster Session

16:45 - 17:45 Keynote Lecture by Prof. Xiaoping Yang

17:45 - 18:45 2nd IAG General Assembly

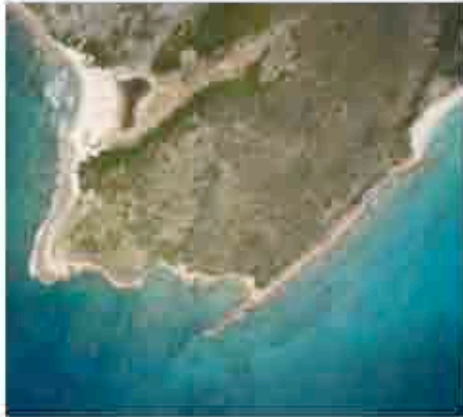
18:45 - 19:15 Closing Session

Sunday September 1 / Monday September 2

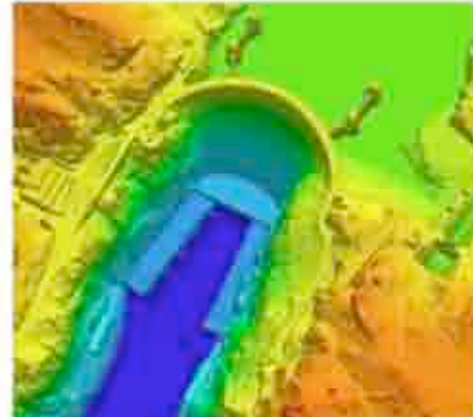
Beginning of Post-Conference Excursions and Intensive Course for Young Geomorphologists

AERIAL SURVEY SOLUTIONS

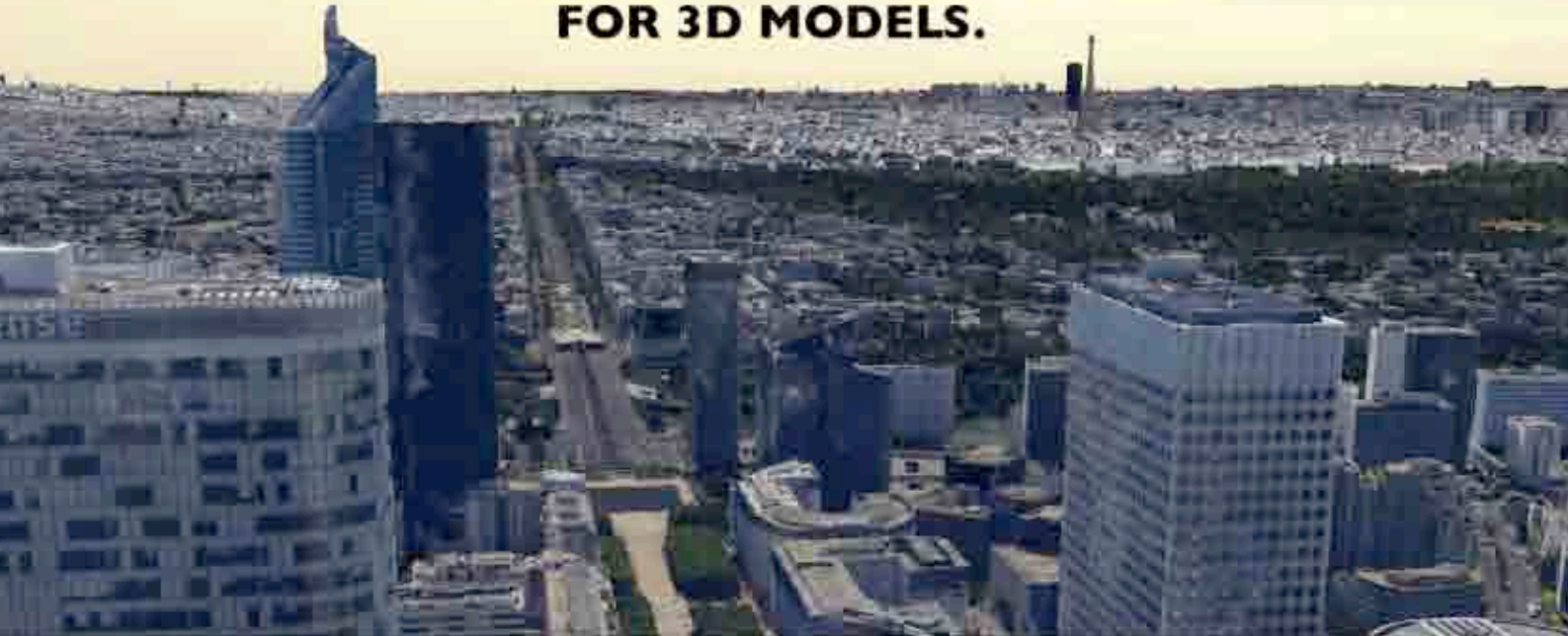
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GENERAL SCIENTIFIC PROGRAM (LIST OF SESSIONS)

SESSIONS		CONVENORS
S1	History and epistemology of geomorphology	Victor BAKER
S2	Geomorphology and earth system science (IAG-WG)	Nick CLIFFORD
S3	Planetary geomorphology (IAG-WG)	Mary BOURKE & Nicolas MANGOLD
S4	Mega-geomorphology	Jorge RABASSA & Clifford OLLIER
S5	Tectonic geomorphology (including neotectonics and paleoseismology)	Doug BURBANK & Francisco BEZERRA
S6	Volcanic geomorphology: towards a quantitative assessment of volcanic landforms, processes and hazards	Jean-Claude THOURET & Paola FREDI
S7	Magnitude and frequency in geomorphology including: • S7A - <i>Extreme events in geomorphology (IAG-WG)</i>	Stuart LANE & Thomas GLADE Samuel ETIENNE & James P. TERRY
S8	Geomorphic processes and long term landscape evolution	Yanni GUNNELL & Leszek STARKEL
S9	Rock control on geomorphic processes and landforms including: • S9A - <i>Sandstone geomorphology (Danxia IAG WG), extended to quartzites</i> • S9B - <i>Karstic geomorphology: from hydrological functioning to palaeoenvironmental reconstructions</i>	Piotr MIGÓN Piotr MIGÓN Philippe AUDRA, Francisco GUTIÉRREZ & Jo DE WAELE
S10	Quaternary geomorphology, including : • S10A - <i>FLAG-GLOCOPH</i>	Margot BÖSE Gerardo BENITO, David BRIDGLAND, Stéphane CORDIER & Thomas HOFFMANN
S11	Geomorphology and global environmental change	Olav SLAYMAKER
S12-16	Anthropocene geomorphology • S12. Geoarchaeology (IAG-WG) • S13. Human impacts on landscapes (IAG-WG) • S14. Geomorphic hazards, risk management and climate change impact (IAG-WG) • S15. Geoconservation, geotourism and education including: • S15A - <i>Anthropogenic and climatic drivers of cultural stone deterioration and conservation</i> • S15B - <i>Geomorphosites (IAG-WG) including geoparks and WHS</i> • S15C - <i>Managing landscape dynamics in protected areas</i> • S15D - <i>Teaching and disseminating geomorphology</i> • S16. Forum francophone : la géomorphologie au service du développement durable	Andrew GOUDIE Kosmas PAVLOPOULOS & Vanessa HEYVAERT Asfawossen ASRAT, Andrew GOUDIE, Paul HUDSON, Denes LOCZY Irasema ALCÁNTARA AYALA, Sunil Kumar DE & Adriana NIZ Patricia WARKE & Stephen McCABE Emmanuel REYNARD, Paola CORATZA & Dominique SELLIER Maria Luisa RODRIGUES & Tim BADMAN David HIGGITT Jules ALONI, Jean-Louis BALLAIS, Mohamed Raouf KARRAY, André OZER, Mario PANIZZA, André ROY & PHAN TRONG Trinh
S17	Geomorphology and the Critical Zone (including weathering, soils and biogeomorphology)	Heather VILES & Junun SARTOHADI

SESSIONS		CONVENORS
S18	Hillslope processes and mass movements • <i>S18A - CERG Subsession: Methods for landslide hazard and risk assessment</i>	Mauro SOLDATI, Mihai MICU & Jordi COROMINAS Jordi COROMINAS, Thomas GLADE, Jean-Philippe MALET
S19	Fluvial geomorphology and river management including: • <i>S19A - Large rivers (IAG-WG)</i> • <i>S19B - Small catchments (IAG-WG)</i> • <i>S19C - Sediment fluxes and morphodynamics of stream channels</i> • <i>S19D - Other subsessions</i>	Janet HOOKE & Gary BRIERLEY Avijit GUPTA & Zhongyuan CHEN Andrzej KOSTRZEWSKI Alain RECKING, John PITLICK, Mike CHURCH & Nicola SURIAN Janet HOOKE & Gary BRIERLEY
S20	Sediment budgets (IAG-WG covering all environments)	Achim A. BEYLICH & Armelle DECAULNE
S21	Coastal geomorphology and management including: • <i>S21A - Reef forms (IAG-WG)</i> • <i>S21B - Rocky coasts (IAG-WG)</i> • <i>S21C - Other subsessions</i>	Edward ANTHONY & Julian ORFORD Chris PERRY, Paul KENCH & Scott SMITHERS David KENNEDY & Wayne STEPHENSON Edward ANTHONY & Julian ORFORD
S22	Submarine geomorphology	Klaus SCHWARZER & Sebastian KRASTEL
S23	Aeolian systems and arid geomorphology (including subarid margins)	Xiaoping YANG & Martin WILLIAMS
S24	Tropical geomorphology • <i>S24A - Tropical Rivers: Hydro-Physical Processes, Impacts, Hazards and Management (IGCP 582 and IAG Working Group on Tropical rivers)</i>	Vishwas KALE, Robert WASSON Edgardo LATRUBESSE, Jose C. STEVAUX, Rajiv SINHA
S25	Cold region geomorphology including: • <i>S25A - Glacial and paraglacial geomorphology</i> • <i>S25B - Permafrost and periglacial geomorphology (in coop. with IPA)</i> • <i>S25C - Mountain geomorphology</i>	Jasper KNIGHT & Stephan HARRISON François COSTARD & Hugues LANTUIT Francesco BRARDINONI & Lothar SCHROTT
S26	Methods in Geomorphology including: • <i>S26A - Modelling in geomorphology</i> • <i>S26B - Remote sensing (including laser scanning, applications of radar, etc.)</i> • <i>S26C - DEMs, GIS and spatial analysis</i> • <i>S26D - Statistics in geomorphology</i> • <i>S26E - Dating methods (including cosmogenic nuclides)</i> • <i>S26F - Applied geomorphological mapping (IAGWG)</i>	John WAINWRIGHT Thomas DEWEZ & Dirk RIEKE-ZAPP Takashi OGUCHI & Christopher GOMEZ Ian EVANS & Delphine GRANCHER Andreas LANG & Susan IVY-OCHS Michael SMITH, Paolo PARON & Jim GRIFFITHS
S27	Young Geomorphologists Session	Etienne COSSART, Johnny DOUVINET & Stuart LANE

PROGRAM SCHEDULE

TUESDAY AUGUST 27									
	Amphitheater Gaston Berger	Amphitheater Louis Armand Est	Amphitheater Louis Armand Ouest	Room 1	Room 2	Room 3	Room 4	Room AB	Room CD
9:30 11:00	IAG General Assembly	<i>IAG General Assembly*</i>	<i>IAG General Assembly*</i>						
11:00 11:30	Opening Session	<i>Opening Session*</i>	<i>Opening Session*</i>						
11:30 12:30	Keynote lecture by Denys Brunssen	<i>Keynote lecture by Denys Brunssen*</i>	<i>Keynote lecture by Denys Brunssen*</i>						
12:30 13:45	Break & Poster Session								
13:45 16:30	S21C	S19D	S14	S08	S12	S24	S15B	S25A	S22
16:30 17:00	Coffee Break & Poster Session								
17:00 18:00	Keynote lecture by Victor Baker	<i>Keynote lecture by Victor Baker*</i>	<i>Keynote lecture by Victor Baker*</i>						

WEDNESDAY AUGUST 28									
	Amphitheater Gaston Berger	Amphitheater Louis Armand Est	Amphitheater Louis Armand Ouest	Room 1	Room 2	Room 3	Room 4	Room AB	Room CD
8:00 10:15	S21C	S19D	S14	S08	S12	S26C	S15B	S25A	S24A
10:15 10:45	Coffee Break & Poster Session								
10:45 12:30	S21C	S19D	S14	S08 S04	S12	S26C	S15B S15C	S26E	S24A
12:30 13:45	Break & Poster Session								
13:45 15:45	S21C	S19D	S14	S01	S5	S26C	S19A	S25B	S24A S16
15:45 16:15	Coffee Break & Poster Session								
16:15 18:30	S21C	S19D	S18	S21A	S5	S2	S19A	S25B	S16
18:30 19:30	Keynote lecture by Ana Luiza Coelho Netto	<i>Keynote lecture by Ana Luiza Coelho Netto*</i>	<i>Keynote lecture by Ana Luiza Coelho Netto*</i>						

* overflow room

FRIDAY AUGUST 30

	Amphitheater Gaston Berger	Amphitheater Louis Armand Est	Amphitheater Louis Armand Ouest	Room 1	Room 2	Room 3	Room 4	Room AB	Room CD
8:00 10:30	S21C	S19D	S18	S23	S5	S26A	S19A	S25C	S9B
10:30 11:00	Coffee Break & Poster Session								
11:00 12:45	S21C	S19C	S18	S23	S5	S26A	S7A	S25C	S9B
12:45 14:00	Break & Poster Session								
14:00 16:00	S13	S19C	S18	S23	S3	S26A	S10	S6	S9B S9
16:00 16:30	Coffee Break & Poster Session								
16:30 18:15	S13	S19C	S18	S23	S3	S26D	S10	S6	S9A
18:15 19:15	Keynote lecture by Asfawossen Asrat	<i>Keynote lecture by Asfawossen Asrat*</i>	<i>Keynote lecture by Asfawossen Asrat*</i>						

SATURDAY AUGUST 31

	Amphitheater Gaston Berger	Amphitheater Louis Armand Est	Amphitheater Louis Armand Ouest	Room 1	Room 2	Room 3	Room 4	Room AB	Room CD
8:00 10:15	S13	S19C	S18 S18A	S21B	S20	S26B	S10A	S7	S17
10:15 10:45	Coffee Break & Poster Session								
10:45 12:30	S13	S19C S19B	S18A	S21B	S20	S26B	S10A	S11	S17
12:30 13:45	Break & Poster Session								
13:45 16:15	S13	S19B	S18A	S21B	S20 S15A	S26F	S10A S15D	S11	S27
16:15 16:45	Coffee Break & Poster Session								
16:45 17:45	Keynote lecture by Xiaoping Yang	<i>Keynote lecture by Xiaoping Yang*</i>	<i>Keynote lecture by Xiaoping Yang*</i>						
17:45 18:45	IAG General Assembly	<i>IAG General Assembly*</i>	<i>IAG General Assembly*</i>						
18:45 19:15	Closing Session	<i>Closing Session*</i>	<i>Closing Session*</i>						

* overflow room

DETAILED SCIENTIFIC PROGRAM (ORAL PRESENTATIONS)

Tuesday August 27

09:30-11:00

IAG General Assembly

Amphitheater Gaston Berger

Overflow rooms: Louis Armand Est & Ouest

11:00-11:30

Opening Session

Amphitheater Gaston Berger

Overflow rooms: Louis Armand Est & Ouest

11:30-12:30

Keynote lecture

Amphitheater Gaston Berger

Overflow rooms: Louis Armand Est & Ouest

Tales from the Deep

Denys BRUNSDEN, London, UNITED KINGDOM

12:30-13:45

Break & Poster Session

13:45-16:30

Parallel sessions

**S21C. Coastal geomorphology and management:
Other subsessions**

Amphitheater Gaston Berger

306 **What is the contribution of abrasion to the sediment budget of a mixed sand and gravel beach?** - Bin CHEN, Dunedin, NEW ZEALAND

146 **Microtidal sandy beaches erosion: Diagnosis by DGPS measurements. Case study of the algiers west coast region- Algeria** - Salim BOUAKLINE, Takervoust, ALGERIA

1242 **Coastal monitoring and medium-term shoreline dynamics in Brittany (France)** - Serge SUANEZ, Plouzane, FRANCE

1282 **Long-, mid- and short-term morphological behaviours of gravel barriers: illustrations from the coast of Brittany (France)** - Pierre STEPHAN, Meudon, FRANCE

1366 **Potential and limitations of Bayesian networks for understanding shoreline mobility: an example in La Réunion island** - Thomas BULTEAU, Orléans, FRANCE

1523 **High resolution coastal evolution: dynamic profiles and geomorphological resilience beach index (GRBI)** - Antoine MORISSETTE, Rimouski, CANADA

1565 **Longshore variation of overwash occurrence in a barrier island (Portugal)** - Ana MATIAS, Faro, PORTUGAL

1491 **Longshore cell development in a boulder beach, Mission Rocks, South Africa** - Andrew N. GREEN, Durban, SOUTH AFRICA

26 **Geomorphological development and sedimentary architecture and of two barrier islands (Sylt and Amrum/ German North Sea): Insights from ground-penetrating radar surveys and sedimentological data** - Tanja TILLMANN, Frankfurt A. M., GERMANY

1873 **Ecomorphodynamic Feedbacks Determine Barrier Island Response to Climate Change** - Orencio DURAN, Chapel Hill, UNITED STATES

1887 **Projected Changes in Barrier-Island Wetland Distribution Caused by Sea-Level Rise** - James GIBEAUT, Corpus Christi, Texas, UNITED STATES

13:45-16:30

Parallel sessions

**S19D. Fluvial geomorphology and river management:
Other subsessions**

**Amphitheater
Louis Armand Est**

1075 **A philosophy of rivers** - Gerald NANSON, Wollongong, AUSTRALIA

227 **Bedload dynamics in gravel bed rivers** - Geoffrey HOUBRECHTS, Liege, BELGIUM

80 **Measuring and modeling of basalt pebble abrasion in the Williams River, Australia** - Timea SZABO, Budapest, HUNGARY

854 **In-Channel Fine Sediment Retention and Dynamics: A Review** - Michael STEWARDSON, Melbourne University, AUSTRALIA

345 **The impacts of climatically-driven hydrological change upon sediment flux in Alpine river basins** - Stuart LANE, Lausanne, SWITZERLAND

1566 **Quantifying spatial and temporal variations of specific event sediment yields in different climatic zones** - Peng GAO, Syracuse, New York, UNITED STATES

1383 **Modern depositional processes in a confined, flood prone setting: benches of the Shoalhaven River, NSW, Australia** - Stephanie Jane KERMODE, Wollongong, AUSTRALIA

1142 **Valley floor changes along and adjacent to the Baviaanskloof River, Eastern Cape Province, South Africa: Testing confinement** - Lindie SMITH-ADAO, Cape Town, SOUTH AFRICA

796 **Is braided river index only related to discharge and geomorphic activity? Feedbacks from thermal infrared remote sensing** - Vincent WAWRZYNIAK, Lyon, FRANCE

357 **Experimental investigation into the impact of vegetation on fan morphology and flow** - Lucy CLARKE, Hull, UNITED KINGDOM

191 **The Fluvial Critical Zone, the co-evolution of a geomorphic-vegetation-soil system** - Nico BÄTZ, Lausanne, SWITZERLAND

13:45-16:30

Parallel sessions

S14. Geomorphic hazards, risk management and climate change impact (IAG-WG)

Amphitheater Louis Armand Ouest

1106 **Rockfalls triggered from a rock-glacier front as a mirror of multi-centennial permafrost dynamics in the Valais Alps?** - Markus STOFFEL, Berne, SWITZERLAND

17 **Predicting Massmovement Processes induced in Periglacial Areas** - Daniel TOBLER, Zollikofen, SWITZERLAND

1694 **Understanding geoenvironmental dynamics and hazards of high mountains: the Geo-Morpho-Structural assessment of Veny Valley (W-Alps, Italy)** - Marco GIARDINO, Turin, ITALY

1807 **The impact of debris flows on the transport infrastructure in NW-Norway** - Nele Kristin MEYER, Oslo, NORWAY

130 **Changing nature of riverine hazards in Brahmaputra Valley, India** - Apurba Kumar DAS, Tezpur, INDIA

229 **Flood hazard maps of ephemeral streams (NE Spain): the Multibasin-Multifunction approach** - Glòria FURDADA, Barcelona, SPAIN

298 **A Proposed Method of Bank Erosion Hazard Zonation and Its Application on the River Haora, Tripura, India** - SHREYA BANDYOPADHYAY, Agartala, INDIA

769 **Flood hazard mapping as a risk mitigation tool in a Moroccan urban catchment** - Gabriela WERREN, Lausanne, SWITZERLAND

1288 **Estimation of flooding potential for Chakrood catchment by SCS method** - Hosein GHANBARI, Tehran, IRAN

1344 **Flood Risk Management - A Case Study of Savitri River Basin, Maharashtra (India)** - Virendra NAGARALE, Pune, INDIA

1571 **Flood Recurrence Analysis of River Bhima at Pandharpur in Part of Maharashtra** - Maya UNDE, Ahmednagar, INDIA

13:45-16:30

Parallel sessions

S08. Geomorphic processes and long term landscape evolution**Room 1**

- 86 **The Quaternary transformation of inherited older mountain landscapes** - Leszek STARKEL, Krakow, POLAND
- 1598 **Impact of late-Cainozoic climate change on orogenic relief development** - Peter VAN DER BEEK, Grenoble, FRANCE
- 267 **Factors determining the impact of glacial erosion on shield surfaces** - Karin EBERT, Stockholm, SWEDEN
- 1605 **Duricrusts in the Borborema highlands, northeaster Brazil: a climatic and structural approach** - Bruno TAVARES, Recife, BRAZIL
- 919 **Geomorphological evolution of the Armorican massif (Western France): a base Upper Cretaceous wave-cut platform degraded in a tropical setting until Late Miocene** - Paul BESSIN, Rennes, FRANCE
- 645 **Paradoxical topographies: the example of Betic chains** - Bernard FARINES, Perpignan, FRANCE
- 469 **Numerical simulations of Plio-Quaternary landscape evolution of the Iberian Chain (Spain)** - Emanuele GIACHETTA, Rome, ITALY
- 90 **Geochronological constraints on the weathering, exposure, and erosional histories of the Second Paraná Plateau, Southern Brazil** - Silvana B. RIFFEL, Brisbane, AUSTRALIA
- 362 **Basin inversion, scarp retreat and soil distribution in the Araripe basin (northeast Brazil): implications for denudation history** - Jean-Pierre PEULVAST, Paris, FRANCE
- 499 **Structural and Lithologic Control on Topography in a Post-Orogenic Landscape: East-central Appalachians, Pennsylvania** - Dru GERMANOSKI, Easton, UNITED STATES

13:45-16:30

Parallel sessions

S12. Geoarchaeology (IAG-WG)**Room 2**

- 385 **Relative sea level changes during Roman times in the NW Mediterranean, a geoarchaeological approach** - Christophe MORHANGE, Aix-en-provence, FRANCE
- 511 **Hellenistic landscapes of the sacred harbour of Delos (Cyclades, Greece): new reconstruction based on sedimentological and geophysical data** - Stéphane DESRUELLES, Amiens, FRANCE
- 831 **The evolution of the Bay of Elaia and the fate of the former harbour of ancient Pergamum (Western Turkey)** - Martin SEELIGER, Cologne, GERMANY
- 1156 **Relative sea-level change in the Central Adriatic during the last 2 ka years - a pluridisciplinary approach** - Sanja FAIVRE, Zagreb, CROATIA
- 736 **Geomorphic hazards and ancient human occupation: the Russian Altai case study** - Gennadiy BARYSHNIKOV, Barnaul, RUSSIAN FEDERATION
- 1816 **Geomorphological development and early human settlement pattern of Ruhnu Island in the Gulf of Riga eastern Baltic Sea** - Merle MURU, Tartu, ESTONIA
- 491 **From the hillsides to the port : evolution and management of agrarian and maritime landscapes in the territory of Frejus since the Antiquity (Var, France)** - Louise PURDUE, Nice, FRANCE
- 1334 **Study of a coastal sedimentary sequence containing the remains of a Roman salt-mine in NW Spain** - Rebeca TALLÓN-ARMADA, Santiago De Compostela, A Coru, SPAIN
- 1413 **The submerged chalcolithic lanscape of Taraschina: a key data to understand early Danube delta evolution** - Jean-Michel CAROZZA, Strasbourg, FRANCE
- 1484 **Geoarchaeology of the ancient harbour of Ostia at the river mouth of the Tiber: chronology, stratigraphy and palaeoenvironmental reconstruction** - Jean-Philippe GOIRAN, Lyon, FRANCE
- 1680 **Human occupation and geomorphological evolution of the Corfu strait (NW Greece) during the Holocene: submarine seismic profiles and sedimentological proxies** - Antoine CHABROL, Athens, GREECE

13:45-17:30

Parallel sessions

S24. Tropical geomorphology**Room 3**

- 909 **Anabranching patterns in large rivers: state of the art and clues from the tropics** - *Edgardo LATRUBESSE, Austin, UNITED STATES*
- 156 **Monsoonal rivers of Australia's "Top End" in the late Quaternary** - *Jan Hendrik MAY, Wollongong, AUSTRALIA*
- 72 **The Quaternary Mekong River terraces: sediments, climate and former river courses** - *Liubov MESHKOVA, Southampton, UNITED KINGDOM*
- 554 **Quaternary Evolution of the Pearl River Delta, China, Inferred from Terraces and Boreholes** - *Zhangxin YU, Guangzhou, CHINA*
- 19 **Sedimentary Records of Monsoon Variability from Historical Tanks in the rainshadow zone of the Western Ghat, Deccan Trap Region, India** - *Vishwas KALE, Pune, INDIA*
- 1192 **Holocene alluvial records of the northeast monsoon dominated rivers of south India** - *Hema ACHYUTHAN, Chennai, INDIA*
- 1266 **Hydro-climatic trends of the Upper Ganga Plains how significant in water resources management** - *Nanigopal ROY, Kolkata, INDIA*
- 266 **An appraisal of geomorphic complexity of a large tropical river, Ganga River system, India** - *Vikrant JAIN, Delhi, INDIA*
- 754 **Long term geomorphic landscape evolution and gold deposits in the Central African Republic (CAR, Bandas Greenstone Belt)** - *Juergen RUNGE, Frankfurt, GERMANY*
- 1741 **Hydro-geomorphologic comparison of two Amazonian rivers: Napo river and Beni river** - *CORAL GARCIA-GOVEA, Mexico, D.f., MEXICO*
- 188 **Were tropical glacier fluctuations synchronous with mid-latitudes during the Holocene?** - *Vincent JOMELLI, Meudon, FRANCE*

Is flooding in South Asia getting worse and more frequent ? - *Vishwas KALE, Pune, INDIA*

13:45-16:30

Parallel sessions

S15B. Geomorphosites (IAG-WG) including geoparks and WHS**Room 4**

- 46 **Drawing the Line: Boundary Issues at the National Parks of the SW USA** - *Murray GRAY, London, UNITED KINGDOM*
- 1427 **Geomorphosites: Individual landforms or areas of geomorphological heritage** - *Bojan ERHARTIC, Ljubljana, SLOVENIA*
- 1079 **A deductive method for selection of geomorphosites** - *Dominique SELLIER, Nantes, FRANCE*
- 223 **Assessment of geomorphosites: methodological approach on examples of the Moravia (eastern part of the Czech Republic)** - *Karel KIRCHNER, Brno, CZECH REPUBLIC*
- 638 **Bridging Malta and Sicily through geoheritage exploitation: Identification and assessment of geosites for territorial enhancement** - *Chiara CAPPADONIA, Palermo, ITALY*
- 1190 **Assessment of geomorphosites for recreational purposes: Case of Nalychevo Nature Park (Kamchatka, Russia)** - *Iuliia BLINOVA, Moscow, RUSSIAN FEDERATION*
- 637 **Quantitative Geodiversity Index: GIS & spatial analysis for assessment and selection of geomorphosites** - *Laura MELELLI, Perugia, ITALY*
- 1779 **Assessment of Mainland Portugal geodiversity** - *Paulo PEREIRA, Braga, PORTUGAL*
- 495 **The geomorphosites of Madre de Dios island (Patagonia, Chile): "marble glaciers", painting caves and hydro-aeolian karst landforms. A singular heritage unique in the world** - *Fabien HOBLEA, Le Bourget Du Lac, FRANCE*

897 **Geomorphological heritage of Samobor karst area (Croatia)** - Nenad BUZJAK, Zagreb, CROATIA

1968 **GEOconservation of caves in Fiji: a case study from Volivoli Cave, SW Viti Levu Island** - Mark STEPHENS, Suva, FIJI

13:45-16:30

Parallel sessions

S25A. Glacial and paraglacial geomorphology

Room AB

141 **Glaciers, rock avalanches and "the buzzsaw" in cirque development** - Ian EVANS, Durham, UNITED KINGDOM

589 **Glacial and paraglacial dynamics inside glacial cirques. A 3D morphometric analysis** - Marcos C. VALCARCEL, Santiago De Compostela, SPAIN

1347 **Geomatics techniques applied to the rock glaciers, glaciers and ice-patches in Spain (1991-2012)** - Fernando BERENGUER, Caceres, SPAIN

1917 **The role of glacial/permafrost interactions in patchy alpine landscape development** - Ivar BERTHLING, Trondheim, NORWAY

866 **Glacial and periglacial erosion rate inferred from five years of detrital flux monitoring (Bossons stream, Mont-Blanc massif, France)** - Hervé GUILLON, Le Bourget-du-lac, FRANCE

838 **Rock slope failure in the mountains of Europe: paraglacial-parafluvial transitions** - David JARMAN, Glasgow, UNITED KINGDOM

832 **The Vatn landslide, Skagafjörður, northern Iceland: early Holocene dating and Holocene palaeoenvironmental reconstitution potentialities** - Armelle DECAULNE, Nantes, FRANCE

498 **Geomorphological data for the recognition of mountain areas prone to glacial-related hazards, French Alps** - Marie GARDENT, Le Bourget Du Lac, FRANCE

696 **Mechanisms controlling the post-Little Ice Age evolution of paraglacial coasts in Svalbard Archipelago** - Matt STRZELECKI, Durham, UNITED KINGDOM

1258 **Geomorphological sensitivity: implications for landscape responses to climate change in glacial environments** - Stephan HARRISON, Penryn, UNITED KINGDOM

310 **Toward a comprehensive paraglacial model: case studies from Iceland** - Denis MERCIER, Nantes, FRANCE

13:45-16:30

Parallel sessions

S22. Submarine geomorphology

Room CD

1617 **Deriving long-term (multi-century) quantitative measures of marine geomorphological change using qualitative records** - Helene BURNINGHAM, London, UNITED KINGDOM

577 **Submarine geomorphology and the geomorphometric approach - Recent developments** - Aaron MICALLEF, Msida, MALTA

1426 **Geomorphological expression of shallow water carbonate buildings in the Mediterranean Sea** - Valentina Alice BRACCHI, Milano, ITALY

85 **Characterization of current sediment dynamics, obtained from the distribution and movement of underwater dunes: the example of the English Channel** - Thierry GARLAN, Brest, FRANCE

1757 **Submarine geomorphology of a tropical shelf: examples from the Rio Grande Do Norte Shelf, NE Brazil** - Helenice VITAL, Natal, BRAZIL

115 **Geomorphological response to North Atlantic Deep Water circulation: Examples from high-energy current environments at the Faroe and Greenland margins and abyssal southwestern North Atlantic** - Tove NIELSEN, Copenhagen, DENMARK

1084 **Sea floor morphology of north-western Gulf of Corinth (Greece): combined impacts of Late Quaternary eustatism and active tectonics** - Arnaud BECKERS, Liège, BELGIUM

1734 **Geomorphological mapping of complex submarine slides (Apulian ridge, eastern Mediterranean Sea): implication for geohazard assessments** - *Alessandra SAVINI, Milano, ITALY*

1386 **Holocene evolution of the Northern Adriatic Platform: morphologic and stratigraphic evidence** - *Alessandro FONTANA, Padova, ITALY*

1934 **Aeolian to shallow-marine shelf palaeo-landscapes off a major desert since the Late Pleistocene (Northern Mauritania)** - *Till HANEBUTH, Bremen, GERMANY*

100 **Axial and off-axial morphology of Arctic and Polar Atlantic spreading ridges (analogous modeling)** - *Andrey KOKHAN, Moscow, RUSSIAN FEDERATION*

16:30-17:00

Coffee Break & Posters Session

17:00-18:00

Keynote lecture

Amphitheater Gaston Berger

Overflow rooms: Louis Armand Est & Ouest

Geomorphology of earth-like planetary surfaces

Victor BAKER, Tucson - Arizona, UNITED STATES

Wednesday August 28

08:00-10:15

Parallel sessions

S21C. Coastal geomorphology and management: Other subsessions**Amphitheater Gaston Berger**

- 200 **Morphodynamics of barrier island evolution off SW Taiwan: An example from Wan-tzu-liao barrier, Tainan** - Tsung Yi LIN, Taipei, TAIWAN
- 231 **Linking nearshore and coastal changes in the southwestern North Sea and Dover Strait: the role of tidal sand banks on coastline evolution** - Arnaud HEQUETTE, Dunkerque, FRANCE
- 137 **Study of strandplain evolution along the Iranian coast of Makran (north western Indian Ocean) with application of ground penetrating radar** - Majid SHAH-HOSSEINI, Aix En Provence, FRANCE
- 313 **Anegada Island, British Virgin Islands: a case study of beach ridges** - Anna Lisa CESCO, Coleraine, UNITED KINGDOM
- 1607 **Geomorphology and Internal Sedimentary Structure of Holocene Coastal Sandy Barriers along Rio de Janeiro Coast, Brazil** - Guilherme FERNANDEZ, Niteroi, BRAZIL
- 1751 **Post-Little Ice Age evolution of High Arctic paraglacial coasts in Svalbard** - Piotr ZAGÓRSKI, Lublin, POLAND
- 830 **Morphogenesis of Phra Thong's beach-ridge plain (Thailand) - the contribution of gradual processes and episodic events** - Dominik BRILL, Cologne, GERMANY
- 936 **Middle to late holocene storminess record in western britany** - Brigitte VAN VLIET-LANOE, Plouzani, FRANCE
- 461 **Geomorphology, sedimentology and geochronology of cyclone-generated landforms and washover deposits along the coasts of NW Australia** - Simon Matthias MAY, Cologne, GERMANY

08:00-10:15

Parallel sessions

S19D. Fluvial geomorphology and river management: Other subsessions**Amphitheater Louis Armand Est**

- 323 **Identifying channel incision and its hydraulic importance: examples from Polish Carpathian rivers** - Bartłomiej WYZGA, Krakow, POLAND
- 1584 **Anthropogenic intervention into the river pattern as a cause of the Ol'e River floodplain development change (with the use of magnetic susceptibility for the sedimentary record interpretation)** - Monika CHUDANICOVA, Ostrava, CZECH REPUBLIC
- 64 **Changes of channel planform within anastomosing river system transformed by hydro technical works (the Obra River, W Poland)** - Marcin SLOWIK, Poznan, POLAND
- 887 **Spatial and temporal variability of braided river bio-geomorphic patterns at the regional scale, the case of the French Rhône basin** - Barbara BELLETTI, Florence, ITALY
- 1800 **Recent channel adjustments of major rivers in southern Apennines (Italy): a contribution to the understanding of fluvial response to human impact and climate change** - Vittoria SCORPIO, Pesche, Isernia, ITALY
- 1714 **Morphological degradation and restoration of the Ahr river (Italian Alps) and their effect on riparian vegetation** - Daniela CAMPANA, Bolzano, ITALY
- 1703 **Historical river channel change and stability in Irish catchments: implications for river management under the EU Water Framework Directive** - Jonathan N. TURNER, Dublin, IRELAND
- 1073 **Detecting the Fluvial Channel Mobility and the Erosion Process Development for a Sustainable Management of the Mayo Tsanaga (North Cameroon)** - Nicolas TEOUGAM, Maroua, CAMEROON

08:00-10:15

Parallel sessions

S14. Geomorphic hazards, risk management and climate change impact (IAG-WG)**Amphitheater Louis Armand Ouest**

- 152 **Vulnerability to natural hazards in the city of Bamenda** - Frédéric SAHA, Yaounde, CAMEROON

513 **Climatic and anthropogenic mechanisms of the desertification process in the Santa Maria Valley, Northwestern Argentina** - Mirian Mabel COLLANTES, San Miguel De Tucuman, ARGENTINA

1389 **The socialization of threat information in hazardous areas: a method for the representation of susceptibility to landslides at landholder parcel scale** - Stephane COUTURIER, Mexico City, MEXICO

199 **How to evaluate the extreme vulnerability of human exposure to sea flood risks? The example of Noirmoutier island (Vendée, France)** - Axel CREACH, Nantes, FRANCE

1148 **DISASTER: a GIS database on hydro-geomorphologic disasters in Portugal** - Jose ZEZEZE, Lisboa, PORTUGAL

809 **Assessment of direct and indirect vulnerabilities of transportation networks impacted by debris flows in the French Alps** - Marina UTASSE, Meudon, FRANCE

928 **A methodological framework to assess landslide vulnerability and resilience across different temporal and spatial scales** - Mauro SOLDATI, Modena, ITALY

1048 **Spatial Distribution of Slope Failures, Grand Teton National Park, Wyoming, USA** - Richard MARSTON, Manhattan, UNITED STATES

08:00-10:15

Parallel sessions

S08. Geomorphic processes and long term landscape evolution

Room 1

407 **Are flat-topped orogens robust indicators of non-equilibrium mountain topography?** - Marc CALVET, Perpignan, FRANCE

1430 **Using landscape evolution models to interpret climatic drivers of cyclic aggradation and incision along the fringes of a decaying mountain range** - Abigail LANGSTON, Boulder, UNITED STATES

701 **The post-orogenic Rocky Mountain Surface on the front ranges of Colorado, USA - its character and possible causes of its deformation** - Eric LEONARD, Colorado Springs, CO, UNITED STATES

1913 **The Colorado Plateau of the American Southwest where patterns of river incision are decoupled from topography and proposed mantle sources of uplift** - Joel PEDERSON, Logan, Utah, UNITED STATES

1096 **Late Cenozoic River Incision in the Rocky Mountain region and implications for Neogene uplift in the western U.S.** - Andres ASLAN, Grand Junction, Colorado, UNITED STATES

379 **Role of climate and tectonics in the geomorphologic evolution of the Semiarid Chilean Andes between 27-32°S** - German AGUILAR, Copiapó, CHILE

1640 **Erosion rates and their controlling factors along the eastern Qilian Shan Mountain, China** - Baotian PAN, Lanzhou, CHINA

1646 **Rain, water, and ice: driving forces behind rapid erosion in western Bhutan** - Paul Bierman, Burlington, UNITED STATES

1738 **Spatial distribution and residence time of large valley-fills along the Himalayan arc** - Jan Henrik BLÖTHE, Potsdam, GERMANY

08:00-10:15

Parallel sessions

S12. Geoarchaeology (IAG-WG)

Room 2

493 **The geoarchaeology of the Talgar River alluvial fan and Iron Age history in the Semirech'ye region, Kazakhstan** - Irina PANYUSHKINA, Tucson, UNITED STATES

849 **Luminescence dating and sedimentological investigations of alluvial archives in the Mediterranean: A case study of a prehistoric site in Morocco, Ifri n'Ammar** - Melanie BARTZ, Cologne, GERMANY

1387 **Alluvial geoarchaeology of the palaeomeander of Ostia, Tiber delta, Italy** - Ferreol SALOMON, Lyon, FRANCE

1586 **Dynamic changes in Loire, Saône and Doubs rivers in Burgundy (France) forced by the Little Ice Age: impact on archaeological site record** - Ronan STEINMANN, Dijon, FRANCE

1729 **Mid-Holocene inundation of the Lower Danube Valley - Lake sediments reflecting changing environmental conditions and human impact** - Dirk NOWACKI, Frankfurt/main, GERMANY

597 **Lithostratigraphic evidence of the paleogeographic evolution of the Athenian basin during Holocene (6.000 YBP)** - Dimitrios VANDARAKIS, Kallithea, GREECE

1207 **Mid-Holocene Environmental History of a Central Mediterranean Island** - Belinda GAMBIN, Aix-en-provence, FRANCE

1237 **Arsenic Exposure in Pre-Columbian Populations of Caleta Vitor, Northern Chile** - Matt CUPPER, Melbourne Victoria 3010, AUSTRALIA

1466 **A geoarchaeological approach for assessing the archaeological potential in the city of Pisa (NW Italy)** - Monica BINI, Pisa, ITALY

08:00-10:15

Parallel sessions

S26C. DEMs, GIS and spatial analysis

Room 3

22 **Generating high spatiotemporal resolution digital terrain models for debris flow deposits from 3D structure-from-motion imagery and an unmanned aerial vehicle** - Colette STARHEIM, Christchurch, NEW ZEALAND

1643 **Impact of tsunami erosion on coastal valley formation in northeastern Japan: an airborne and terrestrial laser scanning approach** - Yuichi S. HAYAKAWA, Kashiwa, JAPAN

752 **Accuracy assessment of DEMs derived from low-cost UAV-based remote sensing for geomorphic landform representation** - François CLAPUYT, Louvain-la-neuve, BELGIUM

140 **SfM vs. RTK: FIGHT! (Structure from Motion versus Global Navigation Satellite System Real Time Kinetic)** - Christopher GOMEZ, Christchurch, NEW ZEALAND

252 **Three dimensional reconstruction of paleotopography to assess the role of antecedent morphology before and after rapid deposition events** - Claire KAIN, Christchurch, NEW ZEALAND

779 **3D Mapping of liquefaction phenomena induced by May 2012 Emilia earthquakes (Po Plain, Northern Italy)** - Luisa PELLEGRINI, Pavia, ITALY

160 **Digital Bathymetric Models (DBM) : multiple sources, multiple uses ... and multiple models. A comparison of known DBM for the Bay of Biscay** - Thierry SCHMITT, Brest, FRANCE

884 **Graph theory - recent developments of its application in geomorphology** - Tobias HECKMANN, Eichstaett, GERMANY

1225 **Spatial distribution of the sinkhole and sinkhole affecting factors in the vicinity of Karapinar (Konya, Central Turkey)** - Adnan OZDEMIR, Konya, TURKEY

08:00-10:15

Parallel sessions

S15B. Geomorphosites (IAG-WG) including geoparks and WHS

Room 4

1737 **Understanding the geo-heritage value of Dwejra (Gozo) as a geomorphosite** - R GAUCI, Msida, MALTA

1018 **Geopark's Activities and the Role of Geomorphology in South Korea** - Changhwan KIM, Chuncheon-si, Gangwon-do, SOUTH KOREA

1394 **An online atlas as a collaborative and visualization tool for the geopark proposal of the Chichonal volcano area** - Javier OSORNO, Mexico, MEXICO

596 **The appraisal of geoheritage through different approaches: the lesson from the Salse di Nirano Nature Reserve (Italy)** - Paola CORATZA, Modena, ITALY

1666 **Collecting and sharing geoheritage information in the digital Age** - Luca GHIRALDI, Torino, ITALY

871 **In search of the cultural geomorphosites of Wales: evidence from medieval poetry** - Hywel GRIFFITHS, Aberystwyth, UNITED KINGDOM

1325 **The Da Vinci Landscape Code; Exploring the Panorama behind La Gioconda** - Olivia NESCI, Urbino, ITALY

1561 **The geological characterization of the Landscape in movies and fictions: a suggestion to involve the society in the WHS sustainable development** - Francesca Romana LUGERI, Roma, ITALY

08:00-10:15

Parallel sessions

S25A. Glacial and paraglacial geomorphology

Room AB

1271 **Spatial and temporal patterns of paleoglaciation across Central Asia** - Jonathan HARBOR, West Lafayette, IN, UNITED STATES

209 **Topographic controls upon moraine distribution** - Iestyn David BARR, Belfast, UNITED KINGDOM

1453 **Landform development at the High-Arctic valley glacier landsystem, Ragnarbreen, Svalbard** - Marek EWERTOWSKI, Durham, UNITED KINGDOM

1979 **Character and rates of glacial sedimentary processes in the terrestrial part of Billefjorden basin (Svalbard)** - Grzegorz RACHLEWICZ, Poznan, POLAND

248 **Glacial geomorphology of the High Atlas, Morocco** - Philip HUGHES, Manchester, UNITED KINGDOM

684 **Cirque development and the glaciation of the Romanian Mountains** - Marcel MINDRESCU, Suceava, ROMANIA

1846 **¹⁰Be exposure dating of onset and timing of Neoglacial glacier advances in the Ecrins massif, French Alps** - Méline LE ROY, Le Bourget Du Lac, FRANCE

914 **Measurements of glacial and subglacial mass exchange of Gepatschferner (Ötztal Alps, Austria)** - Martin STOCKER-WALDHUBER, Innsbruck, AUSTRIA

342 **Transition from glacial to periglacial processes in the Dolomites: the case of Cima Uomo area (Eastern Italian Alps)** - Thomas ZANONER, Padova, ITALY

08:00-10:15

Parallel sessions

S24A. Tropical Rivers: Hydro-Physical Processes, Impacts, Hazards and Management (IGCP 582 and IAG-WG)

Room CD

817 **Physiogeographic features and hydrological characteristics of the Congo and the Oubangui drainage basins, Central Africa** - Juergen RUNGE, Frankfurt, GERMANY

1001 **Catchment-scale hydrology of and sediment transport by the Ayeyarwady (Irrawaddy) River and landforms of its catchment** - Takahisa FURUICHI, Brisbane, AUSTRALIA

179 **Analysis of the state of the flow and morphology interaction in the hydropower dominated Middle Zambezi subcatchment** - Elenestina MWELWA, Delft, NETHERLANDS

449 **Stream power based threshold identification for explaining channel morphological variability, Yamuna River system, India** - Nupur BAWA, Delhi, INDIA

194 **Rivers in Northern Thai History: Implications for Management** - Serene NG, Singapore, SINGAPORE

351 **Geomorphic considerations for environmental flow and habitat suitability in the Ganga river system, India** - Rajiv SINHA, Kanpur, INDIA

1769 **Fluvial Forms, Processes and Sediment Characteristics of River Teesta in India** - Snigdha GHATAK, New Delhi, INDIA

262 **Homogeneous Sections of Suspended Matter in a heterogeneous large tropical river: the Orinoco river (Venezuela)** - B. CASTELLANOS, Caracas, VENEZUELA

1191 **Amazon River suspended sediment behavior on water surface - observations at the Manacapuru hydrometric station, Amazonas, Brazil** - Naziano FILIZOLA, Manaus, BRAZIL

10:15-10:45

Coffee Break & Posters Session

10:45-12:30

Parallel sessions

S21C. Coastal geomorphology and management: Other subsessions**Amphitheater Gaston Berger**

1813 Storm Regime and Morphological Changes at Different Time Scales on the Romanian Black Sea Coast - Alfred VESPREMEANU-STROE, Bucharest, ROMANIA

1833 Coastal Foredune Evolution Under Extreme Events: Superstorm Sandy - Norbert PSUTY, Highlands, New Jersey, UNITED STATES

457 New understanding and prediction of storm impacts on gravel beaches (NUPSIG project): roles of geomorphological investigation and numerical modelling - Gerd MASSELINK, Plymouth, UNITED KINGDOM

514 The impact of extreme and above average processes on morphodynamics of cliff slumps (Wolin Island - NW Poland) - Marcin WINOWSKI, Poznan, POLAND

1691 New insights on morphological and sedimentary evidences of high energy marine flooding along the Moroccan Atlantic coast - Hajar EL TALIBI, Tangier, MOROCCO

528 Coastal multi-hazard cascades: how 12 seconds can reset baselines & trigger decades of coastal system adjustment - D E HART, Christchurch, NEW ZEALAND

826 Extreme sea-level rise and adaptation options for coastal resort cities - Charles LEMCKERT, Southport, AUSTRALIA

10:45-12:30

Parallel sessions

S19D. Fluvial geomorphology and river management: Other subsessions**Amphitheater Louis Armand Est**

524 Catchment-scale versus site-scale controls on flood impact: Flooding in northern Victoria, Australia in 2010 to 2012 - Philip MARREN, Parkville, AUSTRALIA

1024 Geomorphological impact and feedback effects of occurrence and sequences of flood events of differing characteristics - Janet HOOKE, Liverpool, UNITED KINGDOM

1240 Flooding from extreme rainfall: Geomorphological effectiveness as a vehicle for flood risk management and whole river restoration - David SEAR, Southampton, UNITED KINGDOM

1303 Physical controls of vegetation recruitment patterns on the Drôme River (SE France): An analysis based on a chronosequence of high resolution aerial imagery - Bianca RÄPPE, Lyon, FRANCE

881 Assessment of the annual dynamics of large woods along a 60 km semi-alluvial river section of the Gaspé Peninsula, Quebec, Canada, feedbacks from 3 year field surveys combined with airborne and ground images - Maxime BOIVIN, Rimouski/Lyon, CANADA

506 Necessity of linking paleontological and contemporary approaches for understanding river dynamics - Dov CORENBLIT, Clermont-ferrand, FRANCE

10:45-12:30

Parallel sessions

S14. Geomorphic hazards, risk management and climate change impact (IAG-WG)**Amphitheater Louis Armand Ouest**

124 Dynamics of Tsunami Flood related with Evacuation Behavior in the City Area Enclosed with Embankments - Analysis of 'the Tsunami Movie' recorded in Miyako City on 11 March 2011 - Masaki IWAFUNE, Kagoshima, JAPAN

284 Resilience of huge earthquake in Taiwan --- 12 years after Chi-Chi Earthquake - Jiun-Chuan LIN, Taipei, FRANCE

1083 EADaS: A reference system for predicting possible geomorphic disasters in Japan - Takasuke SUZUKI, Tokyo, JAPAN

1444 Earthquake induced landslides susceptibility assessment: Roles of topography, geology and seismology - Nagazumi TAKEZAWA, Tsukuba, JAPAN

1214 Hazard Risk Assessment in North Cyprus: Sheet Floods, Flash Floods and Floods - Sibel KUTOGLU, Nicosia, CYPRUS

153 Urban risk in the Yaoundé VII district - Hervis Donald GHOMSI, Yaounde, CAMEROON

10:45-12:30

Parallel sessions

S08. Geomorphic processes and long term landscape evolution**Room 1****S04. Megageomorphology**

789 **Cosmogenic evidence for profound landscape disequilibrium and pre-Pleistocene landscapes in South Africa** - Paul BIERMAN, Burlington, UNITED STATES

1569 **Robust lithologies preserve ancient alpine-like topography in southern Africa** - Taryn SCHARF, Port Elizabeth, SOUTH AFRICA

1002 **Late-Cenozoic relief evolution under evolving climate: A review of quantitative arguments** - Jean-daniel CHAMPAGNAC, Zurich, SWITZERLAND

1044 **Gondwana paleosurfaces: large-scale and long-term landscape evolution in cratonic areas of Argentina** - Jorge RABASSA, Ushuaia, ARGENTINA

1173 **Geomorphological characterization of relictic Gondwanic paleosurfaces in the Comechingones range, Central Pampean Mountains, Argentina** - Susana DEGIOVANNI, Rio Cuarto, ARGENTINA

1461 **The Neogene evolution of the Congo and Kalahari basins, with a focus on the Congo-Zambezi watershed** - Tyrel J FLÜGEL, Saldanha, SOUTH AFRICA

1801 **The lateritic materials occurrence in Brazil - geographic distribution and association to the paleosurfaces** - Francisco Sergio Bernardes LADEIRA, Campinas, BRAZIL

10:45-12:30

Parallel sessions

S12. Geoarchaeology (IAG-WG)**Room 2**

40 **Open cast mines in South Brandenburg (Germany) - Archives for Late Holocene anthropogenic landscape development** - Thomas RAAB, Cottbus, GERMANY

163 **The late Holocene palaeoenvironment forcing on human existing and migration within SE Altai (Russia)** - Anna AGATOVA, Novosibirsk, RUSSIAN FEDERATION

509 **Irrigation on the proto-urban site of Sarazm during the Bronze Age (Zerfshan Valley, Tadjikistan): Method and results** - Eric FOUACHE, Paris, FRANCE

622 **Alpine Snow Patches as Archaeological Sites** - Martin CALLANAN, Trondheim, NORWAY

819 **Characteristics of Norwegian ice patches and glaciers with archeological finds** - Linda JARRETT, Oslo, NORWAY

777 **Archaeomorphology and the social construction of rockshelters : Nawarla Gabarnmang (Australia)** - Jean-Jacques DELANNOY, Le Bourget-du-lac, FRANCE

1424 **New concepts and evaluation tools in conservation of prehistoric caves, hints from Chauvet and other French cavities** - François BOURGES, Saint-girons, FRANCE

10:45-12:30

Parallel sessions

S26C. DEMs, GIS and spatial analysis**Room 3**

1004 **River basins of Russian Plane: geomorphometrical analysis and geomorphological zoning** - Kirill MALTSEV, Kazan, RUSSIAN FEDERATION

1521 **Active hydrological stream network extraction: a GIS approach based on DEM and climate data** - Jean Francois CORNU, Paris, FRANCE

1893 **Assessing drainage network extractions in a low-relief area from Lidar-derived DEM and DEM-derived from other data sources: a case study from the Cuvelai Basin, Namibia** - Frans PERSENDT, Christchurch, NEW ZEALAND

1821 **Semi-automated identification of landforms intensity by geomorphometric signature** - Vinicius VASCONCELOS, Brasilia, BRAZIL

507 **Do highly resolved DEMs improve the quality of rockfall model output? A case study from Central Spain** - Luis M TANARRO, Madrid, SPAIN

1473 **Geomorphological assessment of alpine watersheds using SLBL and steady-state profiles** - Benjamin RUDAZ, Lausanne, SWITZERLAND

1356 **Geomorphologic analysis method using ASTER GDEM v2 digital elevation model over the tropical rainforest: implementation to lakes problematic in Sangha National Park (Central African Republic)** - Bénédicte NAVARO, Paris, FRANCE

10:45-12:30

Parallel sessions

S15B. Geomorphosites (IAG-WG) including geoparks and WHS
S15C. Managing landscape dynamics in protected areas

Room 4

859 **The Aeterna Urbs geomorphological heritage (Rome, Italy)** - Alessia PICA, Rome, ITALY

989 **Towards holistic landscape conservation within urban area: a case study of Klang Gate geoheritage site in Kuala Lumpur, Malaysia** - Tanot UNJAH, Bangi, Selangor, MALAYSIA

627 **The landscape of man-made terraced slopes in Cinque Terre (Liguria, Italy): a world heritage site at geomorphological risk** - Pierluigi BRANDOLINI, Genova, ITALY

1362 **Environmental fragility in the southwest Amazon associated with its occupation modes the surrounding Jamari National Forest Case** - Alexis BASTOS, Porto Velho, BRAZIL

1364 **In situ biophysical data analysis establishing the draining process of Central African lakes whose origins are hypothetical: complementarities with an original small scale satellite based study** - Thierry ROUSSELIN, Paris, FRANCE

666 **The hazard, the geomorphologist and the lawmaker - Geomorphological dynamics as a perspective for a resilience legislations in the domain of natural hazards** - Elena RAPISARDI, Torino, ITALY

1463 **Planning of the recreational trails in protected areas: application of the regression tree analysis and GIS** - Aleksandra TOMCZYK, Poznan, POLAND

10:45-12:30

Parallel sessions

S26E. Dating methods (including cosmogenic nuclides)

Room AB

294 **Surface exposure dating of rock avalanche deposits in the Ferret Valley (Mont Blanc massif, Italy)** - Naki AKCAR, Bern, SWITZERLAND

570 **Age modelling of Mid-Holocene sedimentary sequences using a Bayesian approach** - Ana RAMOS-PEREIRA, Lisbon, PORTUGAL

1577 **The utility of portable optically stimulated luminescence (OSL) readers in providing temporal contexts in clastic depositional systems: opportunities in geomorphology** - Ken MUNYIKWA, Athabasca, CANADA

1062 **Last Glacial Maximum glaciers on Akdag, southwest Turkey, inferred from cosmogenic ³⁶Cl dating of moraines** - Mehmet Akif SARIKAYA, Istanbul, TURKEY

715 **A tragic flood but an invaluable opportunity to build a better model on catchment wide denudation rate (CWDR) using a pair of ¹⁰Be and ¹⁴C** - Yeong Bae SEONG, Seoul, SOUTH KOREA

879 **Timing of ice decay after the LGM in the high Alps** - Christian WIRSIG, Zurich, SWITZERLAND

612 **A continuous high-resolution 700-yr snow-avalanche chronology from the Queyras massif recorded from tree-ring and historical archives** - Christophe CORONA, Clermont-ferrand, FRANCE

10:45-12:30

Parallel sessions

S24A. Tropical Rivers: Hydro-Physical Processes, Impacts, Hazards and Management (IGCP 582 and IAG-WG)

Room CD

488 **The Mekong River, a reappraisal of sediment transfer based on geomorphology and grain size** - Jean-Paul BRAVARD, Villeurbanne, FRANCE

972 **Processes of Sediment and Carbon Sequestration within Large Tropical Rivers** - Rolf AALTO, Exeter, UNITED KINGDOM

1015 **Tropical multichannel rivers: processes, forms and evolution** - Jose C. STEVAUX, Maringa, BRAZIL

1154 **The Perils of Human Activity on Andean Rivers: Lessons from Colombia's Experience with Soil Erosion** - Juan D. RESTREPO, Medellin, COLOMBIA

950 **The Igapó of the Negro River in central Amazonia: Linking late-successional inundation forest with fluvial geomorphology** - Juan Carlos MONTERO, Freiburg, GERMANY

1158 **Channel morphodynamics in semiarids areas: Jaguaribe River, Ceara, Brazil** - Andrea ALMEIDA CAVALCANTE, Fortaleza, BRAZIL

12:30-13:45

Break & Posters session

13:45-15:45

Parallel sessions

S21C. Coastal geomorphology and management: Other subsessions

Amphitheater Gaston Berger

131 **Holocene sedimentary processes in the West Bengal Sundarbans: facies dynamics in a peri-marine environment** - Rory FLOOD, Belfast, UNITED KINGDOM

415 **The Influence of Tide for Suspended Sediment Transport in Barito River Delta, Southern Kalimantan, Indonesia** - deasy ARISANTY, Yogyakarta, INDONESIA

1020 **Alteration of delta morphology by channel abandonment processes at Mahakam delta, east Kalimantan, Indonesia** - Salahuddin HUSEIN, Yogyakarta, INDONESIA

1187 **Formation and evolution of the abandoned Yellow River delta** - Yongzhan ZHANG, Nanjing, CHINA

440 **Longshore drift and sand sequestering in river deltas** - Edward ANTHONY, Aix-En-Provence, FRANCE

98 **Temporal and spatial variability of coastal change on deltaic coast of Tabasco, Mexico** - Barrios Rodriguez MAGDIEL LYDIA, Mexico, MEXICO

1857 **Geomorphology and evolution of the Save River Delta plain, South-Centre Mozambique** - Elidio Antonio MASSUANGANHE, Stockholm, SWEDEN

790 **A renewed Holocene relative sea-level envelope for Western Brittany (France): Global signal and local artefacts** - Jérôme GOSLIN, Plouzané, FRANCE

13:45-15:45

Parallel sessions

S19D. Fluvial geomorphology and river management: Other subsessions

Amphitheater Louis Armand Est

247 **Downstream channel changes of a tropical alluvial river due to construction of a dam: The example of the Subansiri in Assam, India** - Uttam GOSWAMI, Dibrugarh, INDIA

1602 **Geomorphic changes of a dry-temperate meandering river highly disturbed by a large dam, Sauce Grande River, Argentina** - Ana CASADO, Clermont-ferrand, FRANCE

1133 **Geomorphic Impacts of Riparian (Dis)Connectivity: Dams and Dam Removals as 'Natural' Geomorphic Experiments** - Frank MAGILLIGAN, Lebanon, UNITED STATES

1045 **Geomorphological response to weir removal: the River Twymyn, mid Wales, UK** - Greg WHITFIELD, Warrington, UNITED KINGDOM

1700 **Geomorphological monitoring after dam removal** - Askoa IBISATE, Vitoria-gasteiz, SPAIN

1281 **Hydromorphological adjustments and re-adjustments of low energy rivers in a sub-urban catchment following historical engineering and recent urbanization** - Marion JUGIE, Meudon, FRANCE

441 **Long term impacts of flow abstraction upon basin scale sedimentation processes in an Alpine valley system** - Benoit REGAMEY, Lausanne, SWITZERLAND

13:45-15:45

Parallel sessions

S14. Geomorphic hazards, risk management and climate change impact (IAG-WG)**Amphitheater
Louis Armand Ouest**

1973 **Application of digital orthophotos and digital terrain models to investigate of surface evolution in Tsaoling landslides, Taiwan** - Rou-Fei CHEN, Taipei, TAIWAN

299 **Landslide identification and mapping based on the interpretation of a stereo pair of Very High Resolution satellite images (VHR) for the production of a landslide inventory for the municipality of Pahuatlan, Mexico.** - Franny Giselle MURILLO GARCIA, Mexico, MEXICO

1653 **Integrating Environmental Indicators to Diagnose Desertification Risk Zone in Indian Arid Lands using Geo-Spatial Approach** - AZIZUR RAHMAN SIDDIQUI, Allahabad, INDIA

582 **Methodological approach for mapping landslide risk areas, based on brasilian public policy** - Katia CANIL, Sao Paulo, BRAZIL

644 **Hydrogeomorphological mapping: current uses and perspectives for floodplains management** - Antonin MONTANE, Avignon, FRANCE

388 **Dendrogeomorphological research applied to flood hazard analysis in the 'Caldera de Taburiente' National Park (La Palma, Canary Islands, Spain)** - Andres DIEZ-HERRERO, Madrid, SPAIN

1949 **Protective role of planted alder trees in capturing debris flow material, Moxi Basin, Sichuan Province, China** - Ireneusz MALIK, Katowice, POLAND

13:45-15:45

Parallel sessions

S01. History and epistemology of geomorphology**Room 1**

106 **The relationship between art and the consolidation of american geomorphology during the nineteenth century** - Maira FERRAZ, Campinas, BRAZIL

913 **The glacial trough - an attempt at theoretical geomorphology** - Philippe SCHOENEICH, Grenoble, FRANCE

1696 **Is the present the key to the future?** - Stefano FURLANI, Trieste, ITALY

676 **Philosophical Reflections on Computational Geomorphology** - Marco VAN DE WIEL, London, Ontario, CANADA

642 **What's the point of fieldwork?** - Keith RICHARDS, Cambridge, UNITED KINGDOM

1153 **A river runs through It: Conceptual Models in fluvial geomorphology** - Gordon GRANT, Corvallis, OR, UNITED STATES

33 **What's in a name? Unravelling the inosculate definitions of multichannel river networks** - Paul CARLING, Southampton, UNITED KINGDOM

1039 **Geosemiosis of planetary surfaces** - Vic BAKER, Tucson - Arizona, UNITED STATES

13:45-15:45

Parallel sessions

S05. Tectonic geomorphology (including neotectonics and paleoseismology)**Room 2**

142 **Tectonic tilting toward the west during the past 7000 years indicated by spatial difference in relative sea-level changes across the Nobi Plain, on the footwall of the Yoro fault system, central Japan** - Yuichi NIWA, Kashiwa, Chiba, JAPAN

220 **Geomorphological evidence for a 2000 km long intracontinental fault system in the 'Stable Continental Region' of Western Australia** - James HENGESH, Perth, AUSTRALIA

1006 **Passive vs. active control of tectonic structures on the recent sedimentary evolution of a turbidite system: a tectonic geomorphology study from the Po Plain (Northern Italy)** - Massimiliano R. BARCHI, Perugia, ITALY

1050 **Seismic and Eustatic cycles in the southern Apennine deformation front (Basilicate -Southern Italy)** - Benoit DEFFONTAINES, Marne-la-vallee, FRANCE

1059 **The sedimentary response of mountain environments to large earthquakes: an example from south Westland, New Zealand** - Sean FITZSIMONS, Dunedin, NEW ZEALAND

1184 **Fossil shorelines at Corfu and surrounding islands deduced from erosion notches** - Paolo PIRAZZOLI, Paris, FRANCE

1682 **Fault activity, basin architecture and structural evolution of extensional tectonic depressions: case studies from central Apennines (Italy), investigated through geological and geophysical surveys** - Stefano GORI, Roma, ITALY

1702 **Dating fault movement in southeastern Australia, using paleomagnetism** - Brad PILLANS, Canberra, AUSTRALIA

13:45-15:45

Parallel sessions

S26C. DEMs, GIS and spatial analysis

Room 3

97 **Remote sensing and GIS for environmental fragility assessment in the upper Coxim River Basin, Brazil** - Vitor BACANI, Aquidauana, BRAZIL

114 **GIS-based methods to evaluate morphometric characteristics of small catchments within a debris-flow susceptibility assessment approach at a regional scale** - Melanie BERTRAND, Saint-martin-d'heres, FRANCE

421 **A multi-scale GIS and hydrodynamic modelling approach to fish passage assessment: Clarence River gorge, NSW Australia** - Ivars REINFELDS, Wollongong, AUSTRALIA

726 **GIS analysis of asymmetric valleys dissecting Pleistocene uplands in and around Tokyo, Japan** - Takashi OGUCHI, Kashiwa, JAPAN

1692 **Response of channel offsets to active strike-slip faulting of the Red River fault** - Zhou LIN, Hangzhou, CHINA

667 **Relationship between geomorphology and dry forest in Parana Valley, Goias, Brazil, using sensor modis images and morphometric data** - Potira HERMUCHE, Brasilia, Distrito Federal, BRAZIL

1391 **Landslide susceptibility zonation by exploiting GIS tools and two statistical methods: binary logistic regression and multivariate adaptive regression splines. A test in western Sicily (Italy)** - Christian CONOSCENTI, Palermo, ITALY

1599 **Evolution of volcanic landforms by construction and destruction events constrained from DEM-based numerical reconstructions** - Pierre LAHITTE, Orsay, FRANCE

13:45-15:45

Parallel sessions

S19A. Large rivers (IAG-WG)

Room 4

948 **Sedimentary Processes in Large Source-to-Sink Systems Forced by ENSO** - Rolf AALTO, Exeter, UNITED KINGDOM

63 **Climate change and large tropical rivers** - Avijit GUPTA, Wollongong, AUSTRALIA

181 **Interactions between global warming, flooding and fluvial form adjustment on the Lena River, Central Siberia** - Emmanuele GAUTIER, Meudon, FRANCE

361 **Recent changes in the morphology of river channels in the Mekong delta: natural or anthropogenic?** - Guillaume BRUNIER, Aix-en-provence, FRANCE

804 **Regional scale analysis of natural vs. anthropogenic controls on sediment fluxes** - Vincent BALTHAZAR, Louvain-la-neuve, BELGIUM

1789 **Quantification and Modeling of Runoff and Suspended Sediment Transfer Paths in Instrumented Mesoscale Catchments in Spain and Brazil** - José DELGADO, Potsdam-golm, GERMANY

1188 **Understanding recent change in river-floodplain connectivity in the Baviaans catchment, Eastern Cape: implications for floodplain restoration** - Rebecca JOUBERT, Grahamstown, SOUTH AFRICA

13:45-15:45

Parallel sessions

S25B. Permafrost and periglacial geomorphology (in coop. with IPA)**Room AB**

1928 **Assessing the factors that affect growth and propagation of 'mega-slumps' in Canada's Northwest Territories** - Jon TUNNICLIFFE, Auckland, NEW ZEALAND

372 **Retrogressive thaw slumps: structure, evolution and relevance to carbon cycle of the Arctic Ocean** - Hugues LANTUIT, Potsdam, GERMANY

452 **Important melting of ice-wedges and formation of thermocirques on slopes of thermokarst lakes in Central Yakutia (Siberia)** - Antoine SEJOURNE, Wroclaw, POLAND

1011 **Thermo-erosional landforms in Siberian ice-rich permafrost** - Anne MORGENSTERN, Potsdam, GERMANY

1260 **A reassessment of the erosional potential of fluvial thermal process during ice breakups of the Lena river (Siberia)** - François COSTARD, Orsay, FRANCE

518 **Features of suffosional processes in permafrost (Central Yakutia, Russia)** - Leonid GAGARIN, Yakutsk, RUSSIAN FEDERATION

381 **Thermal and Moisture Regimes in the Active Layer of Western Dronning Maud Land, Antarctica** - Ian MEIKLEJOHN, Grahamstown, SOUTH AFRICA

13:45-15:45

Parallel sessions

S24A. Tropical Rivers: Hydro-Physical Processes, Impacts, Hazards and Management (IGCP 582 and IAG-WG)**Room CD****S16. Forum francophone : la géomorphologie au service du développement durable**

382 **Moving forward, looking backwards: preparing for the next large Asian floods** - Alan D ZIEGLER, Singapore, SINGAPORE

1644 **River response to European-style agriculture in a large, subtropical catchment: Brisbane River, Australia** - Justine KEMP, Brisbane, AUSTRALIA

1587 **High-Resolution Characterization of a Tropical Montane Stream: Using Terrestrial Laser Scanning to Relate Channel Morphology to the Distribution of Stream Power and Shear Stress** - Peyton LIENBY, Fort Worth, TX, UNITED STATES

1892 **Geomorphology and interaction river-sea changes after construction of large dams in Sao Francisco river, Brazil** - Luiz Carlos DA SILVEIRA FONTES, Aracaju-sergipe, BRAZIL

1239 **Géodiversité et Géomorphodiversité : exemples en Italie** - Mario PANIZZA, Modena, ITALY

1314 **Modélisation et géomorphologie dynamique dans le nord de l'Algérie** - Mohamed DAOUDI, Jeddah, SAUDI ARABIA

419 **Erosion et impact des vagues exceptionnelles sur le littoral ivoirien à l'est d'Abidjan** - Ernest KONAN, Abidjan, COTE D'IVOIRE

1941 **Etude de la morphodynamique et de la dynamique sédimentaire de la côte atlantique de Tanger (Maroc) par l'imagerie aérospatiale** - Jamal Eddine EL ABDELLAOUI, Tanger, MOROCCO

15:45-16:15**Coffee Break & Posters Session****16:15-18:30**

Parallel sessions

S21C. Coastal geomorphology and management: Other subsessions**Amphitheater Gaston Berger**

368 **Incipient foredune development along macrotidal beaches, Northern France** - Marie Hélène RUZ, Dunkerque, FRANCE

759 **Morphological types of foredunes in Poland as an indicator of coast trend changes** - Tomasz LABUZ, Szczecin, POLAND

1721 **Decrease of the supply of wind-blown sands in front of artificial pine forest in coastal dunes** - Kwang Hee CHOI, Incheon, SOUTH KOREA

1855 **Dune fences efficiency assessment on northern beaches of Portugal** - Helena GRANJA, Braga, PORTUGAL

332 **The role of the inter-bar depressions in hydrodynamic and sediment transport processes of sandy macrotidal beaches** - Adrien CARTIER, Dunkerque, FRANCE

1144 **Dune Vulnerability and Management Strategy: A Case Study of West Bengal and Orissa Coasts, Bay of Bengal, India** - Dipanjan DAS MAJUMDAR, Midnapore, INDIA

447 **Interactions between waves, sediments and pioneer plants in tidal marshes: Results from a full scale flume experiment** - Alexandra SILINSKI, Wilrijk (antwerpen), BELGIUM

292 **Biogeomorphic succession of mangroves: Basic knowledge to improve restoration and management of tropical mangrove coasts** - Thorsten BALKE, Delft, NETHERLANDS

603 **Mangrove evolution and morphodynamic processes in Mayotte Island (Indian Ocean)** - Matthieu JEANSON, Dinard, FRANCE

16:15-18:30

Parallel sessions

**S19D. Fluvial geomorphology and river management:
Other subsessions**

**Amphitheater
Louis Armand Est**

1742 **On the use of floodplain landforms to generate flood risk maps** - Sylvio DEMERS, Rimouski, CANADA

424 **Inherited rivers. Anthropogenic changes in the low energy rivers in W France from 1500 BC and implications for their current management** - Laurent LESPEZ, Caen, FRANCE

1743 **Landscape Connectivity in Hilly Catchments on Middle Paraiba do Sul River Valley, Southeastern Brazilian Plateau** - Maria Naise PEIXOTO, Rio De Janeiro, BRAZIL

1465 **Sediment connectivity in the upper Thina River, Eastern Cape, South Africa** - Benjamin VAN DER WAAL, Grahamstown, SOUTH AFRICA

214 **Characterising Urban Rivers to support their Sustainable Management** - Angela GURNELL, London, UNITED KINGDOM

1798 **Geomorphological assessment of urban river reaches: results and discussion of five case studies (North Italy)** - Giancarlo GUSMAROLI, Venice, ITALY

18 **Reach-Scale Index for Sand-Bed Channels** - George COTTON, Greenwood Village, UNITED STATES

1322 **Reflections on the application of the 'Freedom space' river management approach to help mitigate climate change impacts on three rivers of southern Québec, Canada** - Thomas BUFFIN-BELANGER, Rimouski, CANADA

16:15-18:30

Parallel sessions

S18. Hillslope processes and mass movements

Amphitheater Louis Armand Ouest

62 **Rainfall control of debris-flow behavior: motion and deposition at Mount Yakedake, Japan** - Hiroshi SUWA, Kyoto, JAPAN

234 **Developing of a standard methodology to characterize and modeling debris flows** - Chiara BOCCALI, Trieste, ITALY

265 **Debris Flow Process Reconstruction Based on UAV Remote Sensing Imagery of Disastrous Scenario** - Jiayuan LIN, Chengdu, CHINA

1013 **The debris slide in the Moafellshyrna Mountain on the 20th of September 2012. Was it triggered by intense precipitation and earthquake activity or simply by melting of the permafrost?** - Thorsteinn SAEMUNDSSON, Saudarkrokur, ICELAND

1601 **When Debris Flows Run Upslope: Tsunami Induced Debris Flows** - Patrick WASSMER, Meudon, FRANCE

118 **Scale Amplification of Natural Debris-Flows Caused by Cascading Landslide Dam Failures** - Gordon ZHOU, Chengdu, CHINA

- 196 **Study on Surge Triggered by Debris flow Plunging into Reservoir** - Hideaki MIZUNO, Tsukuba, Ibaraki, JAPAN
- 468 **Development of a geomorphological model for field instrumentation design, Tai O, Hong Kong** - Kit Ying NG, Hong Kong, HONG KONG

16:15-18:30

Parallel sessions

S21A. Reef forms (IAG-WG)**Room 1**

- 99 **Biotic dynamics as a driver of coral reef geomorphology** - Bernhard RIEGL, Dania Beach, UNITED STATES
- 749 **Holocene growth of King Reef - the largest mainland fringing reef on Great Barrier Reef, Australia** - Scott SMITHERS, Townsville, AUSTRALIA
- 157 **Discovery of submerged karst terrain in modern reef area by broadband multibeam bathymetric survey in the southern Ryukyu Islands, Japan** - Hironobu KAN, Okayama, JAPAN
- 1186 **Calcium carbonate budget of a Maldivian reef platform** - Kyle MORGAN, Auckland, NEW ZEALAND
- 219 **Hydrodynamic process controls on reef platform sedimentation and island formation** - Philipp MANDLIER, Auckland, NEW ZEALAND
- 959 **Infill of Faro Lagoons: Size Thresholds and Controls on Island Formation in the Maldives** - Paul KENCH, Auckland, NEW ZEALAND
- 1611 **Morphological response of reef island on rocas atoll (South Atlantic Ocean) to Seasonal energetic wave conditions** - Mirella COSTA, Sao Paulo, BRAZIL
- 1397 **A sediment budget for Lizard Island, northern Great Barrier Reef** - Leon JAVIER, St. Lucia, AUSTRALIA
- 812 **Atoll Island Geomorphology and Stability: Nukulaelae Atoll, Tuvalu, Central Pacific** - Roger MCLEAN, Canberra Act, AUSTRALIA

16:15-18:30

Parallel sessions

S05. Tectonic geomorphology (including neotectonics and paleoseismology)**Room 2**

- 88 **Evolution of Neotectonic Landforms between Srinagar and Bagwan in Lower Alaknada Valley, Garhwal Himalaya, India** - Devi DATT, Srinagar (garhwal), INDIA
- 149 **Neo-tectonics in the Genesis of Terraces in the Eastern Himalayan Foothills between River Gish and Jaldhaka, North Bengal, India** - Soma BHATTACHARYA SOMA, Kolkata, INDIA
- 165 **New techniques within paleoseismological study of mountain terrains based on dendrocronological analysis and statistical approach by the example of SE Altai (Russia)** - Anna AGATOVA, Novosibirsk, RUSSIAN FEDERATION
- 166 **Tectonic Geomorphology of Slow Faults in Northern Mongolia: Implications for Seismic Hazard in Ulaanbaatar** - Matthieu FERRY, Montpellier, FRANCE
- 203 **Paleoseismicity of the North Zhongtiaoshan Fault zone, Shanxi Graben System, China** - Youli LI, Beijing, CHINA
- 213 **How old are the Himalayan river valleys?** - Parthasarathi GHOSH, Kolkata, INDIA
- 236 **The Pingding segment of the Altyn Tagh Fault (91°E): Holocene slip-rate determination from cosmogenic radionuclide dating of offset fluvial terraces** - Anne-Sophie MERIAUX, Newcastle Upon Tyne, UNITED KINGDOM
- 1443 **Late quaternary landform evolution along the Indus River, Ladakh, NW Himalaya** - Anil KUMAR, Dehradun, INDIA
- 1508 **Deforming rate and kinematics of a potential part of the Tibetan Plateau on the mid-portion of the Qilian Shan Moutian, China** - Xiaofei HU, Lanzhou, CHINA

16:15-18:30

Parallel sessions

S02. Geomorphology and earth system science**Room 3**

1248 **Geomorphology and Earth System Science: some thoughts on scale, place and method** - Nick CLIFFORD, London, UNITED KINGDOM

283 **Ethnogeomorphology** - Deirdre WILCOCK, Melbourne, AUSTRALIA

988 **'But what do you measure?' Contextualising geomorphic understandings of the upper Yellow River** - Brendon BLUE, Auckland, NEW ZEALAND

1349 **Representing Geomorphology in Models of the Earth System** - Simon DADSON, Oxford, UNITED KINGDOM

1088 **Geomorphology 6.0: a framework for complexity elicitation** - Eric MASSON, Villeneuve Ascq, FRANCE

797 **Geomorphologic fundamentals of system geologic and geographic studies** - Andrey ZHIROV, St. Petersburg, RUSSIAN FEDERATION

1622 **Conceptualising and formalising the structure of coupled estuary-coast-offshore systems** - Jon FRENCH, London, UNITED KINGDOM

1865 **Fractal dimension of drainage network geometry of some Mediterranean-type river basins in California, Spain and Italy: a geomorphologic key to interpretation** - Carlo DONADIO, Napoli, ITALY

532 **Preliminary study of the coupled control of tectonic uplift and the glaciations in the Tibetan Plateau** - Cui ZHIJIU, Beijing, CHINA

16:15-18:30

Parallel sessions

S19A. Large rivers (IAG-WG)**Room 4**

1229 **The Hydrology of the Yangtze (Changjiang) River, China** - Brian FINLAYSON, Ascot Vale, AUSTRALIA

305 **Post-dam assessment for change in riverbed and delta-coast morphology following impoundment of Three Gorges Dam of the Yangtze (Changjiang) River** - Zhongyuan CHEN, Shanghai, CHINA

712 **Model of reservoir regulations and their impacts on river fragmentation in the Yangtze River Basin, China** - Xian Kun YANG, Singapore, SINGAPORE

1145 **Geochemical compositions of the late Cenozoic sediments in the Jiangnan Basin: Implications for sediment source and evolution of the Yangtze River** - Lei SHAO, Wuhan, CHINA

723 **Declining Sediment Yields in the Upper Yangtze: Dams, Degradation Control or Delivery?** - David HIGGITT, Singapore, SINGAPORE

1169 **Geomorphologic process of the first bend of the Yangtze River** - Dayuan YANG, Nanjing, CHINA

1663 **Characteristics and self-adjusting behavior of anabranching channel patterns along the middle and lower reaches of the Yangtze River** - He Qing HUANG, Beijing, CHINA

902 **Impacts of meander landforms evolution on hydrological functioning of a floodplain: the Loire Meander at Guilly (Central France)** - Sterenn RAMOND, Meudon, FRANCE

1212 **Predicting life span of restored secondary channels and backwaters (Rhône river, France)** - Jérémie RIQUIER, Lyon, FRANCE

16:15-18:30

Parallel sessions

S25B. Permafrost and periglacial geomorphology (in coop. with IPA)**Room AB**

567 **Cold region geomorphology and Permafrost Evolution in the North-Atlantic region** - Bernd ETZELMULLER, Oslo, NORWAY

1226 **Modelling alpine permafrost distribution in the Hohe Tauern region, Austria** - Lothar SCHROTT, Salzburg, AUSTRIA

937 **Permafrost investigation in the Mont Blanc massif steep rock walls: a coupled measurement, modelling and geophysical approach** - Florence MAGNIN, Le Bourget Du Lac, FRANCE

1052 **Identification of geomorphic and climatic controls on degradation of Alpine rockglaciers** - Isabelle GAERTNER-ROER, Zurich, SWITZERLAND

798 **Permafrost existence in rock glaciers of the Southern Carpathians (Romania)** - PETRU URDEA, Timisoara, ROMANIA

496 **Rock glaciers debris accumulation for assessment of rockwall retreat** - Charles LE COEUR, Paris, FRANCE

293 **Dendrogeomorphology in the Arctic regions - methods and case studies** - Piotr OWCZAREK, Wroclaw, POLAND

1549 **Late pleistocene sand wedges along the Patagonian Coast (Argentina): chronological constrains and implication for coastal permafrost distribution** - Adriano RIBOLINI, Pisa, ITALY

1417 **New periglacial features on the ancient terraces of the lower Rhône valley (Costières, Gard, France): mapping, datings and implications for the taphonomy of the palaeolithic lithic remains** - Laurent BRUXELLES, Saint-hippolyte-du-fort, FRANCE

16:15-18:30

Parallel sessions

S16. Forum francophone : la géomorphologie au service du développement durable

Room CD

1368 **Apports et résultats de l'imagerie radar SAR et l'interférométrie InSAR/DinSAR dans les études géomorphologiques dans la région subcarpatique de Buzau (Roumanie)** - Kamel HACHEMI, Meudon (paris), FRANCE

1528 **Tourisme, privatisation des littoraux et érosion des côtes : cas de Phan Thiet, Vietnam** - Pierre OZER, Arlon, BELGIUM

418 **Une cartographie du risque "instabilités de terrain" au service du développement durable : l'exemple du complexe portuaire "Tanger Med" et de son arrière-pays (Rif septentrional, Maroc)** - Mélanie PATEAU, Paris, FRANCE

35 **Seuils topographiques des ravins dans la haute ville de Kinshasa (RD. Congo)** - Fils MAKANZU IMWANGANA, Kinshasa, CONGO, THE DEMOCRATIC REPUBLIC OF THE

1490 **Quatre lits pour un cours d'eau. Conséquences pour le risque d'inondation et l'aménagement** - Jean-Louis BALLAIS, Aix En Provence, FRANCE

1719 **Vulnérabilité de la plaine d'inondation du fleuve Hathanh (Centre Viêt-Nam) face aux changements environnementaux** - Anh Tu NGO, Orleans, FRANCE

1923 **Hydrogéomorphologie et risque d'inondation dans la vallée de la Karakash Darya (Xinjiang, Chine)** - Jean-Louis BALLAIS, Aix-en-Provence

1517 **Etude des processus morphodynamiques et leur impact sur le modelé dunaire dans le sud-ouest de la Mauritanie par imagerie satellitale optique et radar** - Abdoul Jelil NIAN, Nouakchott, MAURITANIA

1478 **Le contexte urbain et climatique des risques hydrologiques de la ville de Butembo (Nord Kivu/RDC)** - Muhindo SAHANI, Butembo, THE DEMOCRATIC REPUBLIC OF THE CONGO

18:30-19:30

Keynote lecture

Amphitheater Gaston Berger

Overflow rooms: Louis Armand Est & Ouest

Spatially non-uniform landscape evolution and process-operations around the Tropic of Capricorn: the role of externe rainfall events

Ana Luiza COELHO NETTO, Rio De Janeiro, BRAZIL

Friday August 30

08:00-10:30

Parallel sessions

S21C. Coastal geomorphology and management: Other subsessions**Amphitheater Gaston Berger**

- 307 **A risky retreat: Fine-tuning projections of salt marsh development in managed realignment projects** - Anissia WHITE, Plymouth, UNITED KINGDOM
- 195 **Geomorphological responses of tidal islands and estuary channels to embankments: a paradox of sustainability and protection in the West Bengal Sundarbans** - Julian ORFORD, Belfast, UNITED KINGDOM
- 1339 **Evolution of the coastline of anthropised islands off Galicia and Brittany: Ons and Ushant** - Hervé REGNAULD, Rennes, FRANCE
- 145 **Shoreline evolution of Capo Peloro, the northernmost point of Sicily(Italy): causes and temporary management** - Giovanni RANDAZZO, Messina, ITALY
- 1542 **Anthropic interference versus littoral dynamics: Aguda (Northern Portugal) breakwater, Holocene evolution and recent coastal erosion** - Maria ARAÚJO, Porto, PORTUGAL
- 1564 **The relief cartography in coastal areas: a contribution to the environmental planning of Bertioga, Sao Paulo State, Southeastern Brazil** - Vinicius TRAVALINI, São Paulo, BRAZIL
- 732 **Coastline vulnerability in the Kerkennah archipelago between 1963 and 2010** - Lucile ETIENNE, Paris, FRANCE
- 663 **Toward a prevention of coastal erosion in the Magdalen Islands, Quebec, Canada** - Susan DREJZA, Rimouski, CANADA
- 1038 **Geomorphic Changes at a Bay of Fundy Salt Marsh Restoration in New Brunswick, Canada** - Jeff OLLERHEAD, Sackville, New Brunswick, CANADA
- 1219 **Science in Support of Coastal Management: Developing Louisiana's 2012 Coastal Master Plan** - Denise REED, Baton Rouge, UNITED STATES

08:00-10:30

Parallel sessions

S19D. Fluvial geomorphology and river management: Other subsessions**Amphitheater Louis Armand Est**

- 1232 **Fluvial Geomorphology in Practice: Lessons learnt in the development and application of the River Styles framework** - Gary BRIERLEY, Auckland, NEW ZEALAND
- 144 **A methodological framework for hydromorphological analysis of Italian streams (IDRAIM) aimed to an integrated management of fluvial hazard and river restoration** - Massimo RINALDI, Firenze, ITALY
- 423 **Making space for geomorphic processes: the example of buffers for rivers** - Ian RUTHERFURD, Melbourne, AUSTRALIA
- 274 **Potential and actual geomorphic complexity of restored streams in headwater streams of northern Sweden** - Lina E. POLVI, Umea, SWEDEN
- 1526 **The effects of river restoration on flood risk and flood hydrology** - Simon DIXON, Southampton, UNITED KINGDOM
- 536 **The role of geomorphic processes in the sustainability of large wood loads in rivers: A Bayesian approach** - Justin STOUT, Parkville, AUSTRALIA
- 1264 **Assessing the success of river restoration projects through Geomorphology** - Alexandre PEETERS, Liege, BELGIUM
- 1127 **Morphological descriptors and typologies of French rivers as tools for managing river restoration** - Nathalie THOMMERET, Meudon, FRANCE
- 430 **Investigating the potential of seed banks as a regeneration niche in riparian systems: Implications for vegetation-based river rehabilitation** - Jessica O'DONNELL, Sydney, AUSTRALIA
- 371 **Hydromorphological impacts of hydrosedimentary and ecological continuity's restoration. Example of the Yerres RIV., seine catchment, France** - Gabriel MELUN, Paris, FRANCE

08:00-10:30

Parallel sessions

S18. Hillslope processes and mass movements**Amphitheater Louis Armand Ouest**

481 **Quantification of mass movement and sediment flux at the decadal scale for Alpine mountain basins: the critical role of sediment connectivity** - Natan MICHELETTI, Lausanne, SWITZERLAND

1875 **Bayesian modeling of rainfall-triggered landslides using weather forecasting systems** - Ionut SANDRIC, Bucharest, ROMANIA

1881 **Relations between landslide activity and fluvial erosion: slope-channel coupling recorded in tree rings and relief (Western Carpathians and Eastern Sudetes, Czech Republic)** - Malgorzata WISTUBA, Katowice, POLAND

1952 **Landslide hydrology: modelling the dynamic interactions between slope deformation, preferential flow and hydrology** - Thom BOGAARD, Delft, NETHERLANDS

1872 **Variations in soil hydraulic conductivity as triggering factors of shallow landslides in the Serra do Mar, Brazil** - Maria Carolina VILLAÇA GOMES, São Paulo, BRAZIL

1495 **Mass movements characterization in the disaster occurred in the Morro do Bau Complex, Santa Catarina, Brazil, in November, 2008** - Fernanda BAUZYS, Florianopolis, BRAZIL

1849 **The Catastrophic Landslide Event of January 2011 in Rio de Janeiro: Geomorphological and Geological Controls** - Nelson FERNANDES, Rio De Janeiro, BRAZIL

1965 **Relation between the precipitation intensity and duration that originated the debris flows in Puebla, México** - Guillermo CARDOSO-LANDA, Chilpancingo, MEXICO

1760 **The combined effect of complex rupture mechanism and topography in regional distribution pattern of the landslides triggered by the 12 January 2010 Haiti earthquake** - Tolga GORUM, Istanbul, TURKEY

1448 **Relationships between large landslides and late orogenic antiforms in the Northern Apennines (N Italy): geomorphological, structural and thermochronological data** - Alessandro CHELLI, Parma, ITALY

08:00-10:30

Parallel sessions

S23. Aeolian systems and arid geomorphology (including subarid margins)**Room 1**

259 **Mean residence time in barchan dunes from numerical modelling** - Deguo ZHANG, Beijing, CHINA

405 **Complex Geo-Ecological responses to climate change in dry-land areas: Northern Negev desert, Israel** - Aaron YAIR, Jerusalem, ISRAEL

480 **Dynamic stone pavements - insights from experiments and numeric modelling** - Michael DIETZE, Dresden, GERMANY

974 **What makes Australian desert dunes so stable? Vegetation and sand transport response to variable rainfall** - Paul HESSE, Macquarie University, AUSTRALIA

1097 **The relative efficacy of wind and fluvial erosion of bedrock in northern Chile** - Jonathan PERKINS, Santa Cruz, CA, UNITED STATES

1405 **Form-flow interaction of star dune arms** - Katarzyna BIEJAT, Warsaw, POLAND

1407 **Sand bulk density as an indicator of form-flow interaction on barchan dunes** - Maciej DLUZEWSKI, Warsaw, POLAND

1747 **Vegetation change and geomorphological response of dryland hillslopes** - Erik CAMMERAAAT, Amsterdam, NETHERLANDS

1820 **Fog-induced slumping in a hyper-arid dunefield, Namibia** - Mary BOURKE, Dublin, IRELAND

08:00-10:30

Parallel sessions

S05. Tectonic geomorphology (including neotectonics and paleoseismology)**Room 2**

- 77 **Differentiating between gravitational faults related to evaporite dissolution and tectonic faults by means of geomorphological mapping, trenching and geophysical surveys** - Francisco GUTIÉRREZ, Zaragoza, SPAIN
- 197 **Neotectonic deformation of a Late Quaternary glaciofluvial outwash plain in Southern Denmark caused by glacio-isostatic fault reactivation** - Peter Bo Eisenreich SANDERSEN, Højebjerg, DENMARK
- 364 **The topography of the Iberian Chain (Spain): tectonic and surface processes interaction in landscape evolution** - Paola MOLIN, Rome, ITALY
- 553 **Morphotectonic analysis of coastal chalk cliffs in Picardy (NW France): field evidence of neotectonic fault systems occurrence in step-graben structure** - Anne DUPERRET, Plouzane, FRANCE
- 1899 **Remote Sensing and Ground Penetrating Radar in the characterization of Tectonic Geomorphology of South Andaman Islands, India. A step towards hazard preparedness and mitigation** - Balaji SANKARAN, Port Blair, INDIA
- 767 **Prehistoric large earthquakes produced by slip on the Central Iran strike-slip faults** - Mohammad FOROUTAN, Paris, FRANCE
- 1284 **Uplift vs. denudation in the southern Apennines (Italy): geomorphologic evidence and constraints from terrestrial cosmogenic nuclides and apatite (U-Th)/He data** - Alessandra ASCIONE, Napoli, ITALY
- 1869 **Linking topographic indices and rock uplift rates to denudation in a low uplift rate setting: Betic Cordillera, SE Spain** - Nicolas BELLIN, Louvain-la-neuve, BELGIUM
- 1905 **Long Term Evolution of Active Folding in North Africa: Surface deformation and modeling** - Mustapha MEGHRAOUI, Strasbourg, FRANCE

08:00-10:30

Parallel sessions

S26A. Modelling in geomorphology**Room 3**

- 690 **Coupling 3D hydraulic numerical modeling and field survey to assess morphodynamics of a wandering gravel bed river (Durance River, Southern French Alps)** - Margot CHAPUIS, Waterloo, CANADA
- 810 **Numerical simulation of turbulent sediment transport** - Philippe CLAUDIN, Paris, FRANCE
- 1257 **Morphogenetic modelling of coastal foredunes** - Wenyan ZHANG, Greifswald, GERMANY
- 285 **Numerical simulation of current driven sediment transport processes** - Markus BURKOW, Bonn, GERMANY
- 962 **2D-Hydrodynamic modelling of large wood transport in rivers** - Virginia RUIZ-VILLANUEVA, Madrid, SPAIN
- 1878 **Modelling soil erosion on medium-term: the application of a landscape evolution model in a Mediterranean catchment** - Rossano CIAMPALINI, Orléans, FRANCE
- 193 **Flash floods susceptibility assessment through cellular automata modelling: a case study in northern France** - Johnny DOUVINET, Avignon, FRANCE
- 1008 **The dynamic cellular automata landscape evolution modelling platform CDP** - Andy BARKWITH, Nottingham, UNITED KINGDOM
- 776 **Physically based modelling of soil erosion from the plot scale to the catchment scale** - Olivier CERDAN, Orleans, FRANCE

08:00-10:30

Parallel sessions

S19A. Large rivers (IAG-WG)**Room 4**

- 1058 **Severe monsoon floods and floodplain development in the lower reach of the Stung Sen River, Lower Mekong Basin** - Naoko NAGUMO, Chiba, JAPAN
- 548 **Morphodynamics and stability of the Amur riverbed** - Vladimir KIM, Khabarovsk, RUSSIAN FEDERATION
- 1027 **River bank erosion, shifting of off-take point: a case study of river Bhagirathi, West Bengal, India** - Sumana BHATTACHARJEE, Kolkata, INDIA

1012 Morphological changes of the Lower Siret River from 1891 to 2010: the decisive impact of engineering works and water management strategy - Florence SALIT, Paris, FRANCE

1301 Short-term channel adjustments in an anthropized stretch of the Calore River (Southern Italy) - Alessio VALENTE, Benevento, ITALY

1933 Present changing in river system of the upper Po River Plain (Italy) - Laura TURCONI, Turin, ITALY

1920 Sediment transport measurements providing insights on initiation of motion and high flow bedload transport at the Austrian Danube - Marcel LIEDERMANN, Vienna, AUSTRIA

771 The evolution of the fluvial process in the lower Yellow River since 1960 - Shi-Min TIAN, Zhengzhou City, Henan Province, CHINA

1647 Tracking the middle reach of the Yellow River running eastward across the Ordos Plateau and North China Plain - Zhenbo HU, Lanzhou, CHINA

672 Geomorphic Changes in the Indian Sundarban between 1917-23 and 2012: Evidences from Maps, Images and Hydrography - Sunando BANDYOPADHYAY, Kolkata, INDIA

08:00-10:30

Parallel sessions

S25C. Mountain geomorphology

Room AB

204 Lightning strikes and their influence on mountain geomorphology and sediment supply - Jasper KNIGHT, Johannesburg, SOUTH AFRICA

614 Debris talus and cones dynamic in a calcareous Atlantic high mountain (Picos de Europa, Northern Spain) - Enrique SERRANO, Valladolid, SPAIN

1785 Holocene rockwall retreat in an inner-alpine headwater catchment (Gradenmoos Basin, Schober Mountains, Austrian Alps) - Joachim GÖTZ, Salzburg, GERMANY

818 Geomorphological and climate context of debris flow regional occurrence in the Northern French Alps - Irina PAVLOVA, Meudon, FRANCE

1547 Geomorphic change detection using LiDAR DTMs in two small basins of the Italian Alps - Beatrice GOLDIN, Padova, ITALY

1573 Temporal variations of bedload transport in a glacierized mountain basin - Francesco COMITI, Bolzano, ITALY

1412 Root-exposure: a new tool to quantify medium term erosion rates in gypsum areas (Massif de la Vanoise, France) - Georges ROVERA, Grenoble, FRANCE

1200 Glacial chronology in the Mérida Andes, Venezuela, deduced from cosmogenic ¹⁰Be radionuclide dating - Isandra ANGEL, Caracas, VENEZUELA

722 Terrestrial cosmogenic nuclides dating of a sackung on a cirque in the Japanese Alps - Ryoko NISHII, Shizuoka, JAPAN

1929 Geomorphic landscape evolution along the river valleys in Ladakh region of NW Trans Himalayan range during Late Quaternary: implications to climate and tectonics - Binita PHARTIYAL, Lucknow, INDIA

08:00-10:30

Parallel sessions

S09B. Karstic geomorphology: from hydrological functioning to palaeoenvironmental reconstructions

Room CD

49 Rare sulfate minerals (fibroferrite) and hypogene sulfuric speleogenesis in Baume Galinière Cave (Alpes-de-Haute-Provence, France) - Philippe AUDRA, Nice, FRANCE

906 Interaction between the fluvial incision and the geological structures: the Torca La Texa shaft (Picos de Europa, Spain) case - Daniel BALLESTEROS, Oviedo, SPAIN

1805 Alteration of the Jurassic limestones series in the Charente karst basin: Impacts for the speleogenesis by ghost-rock process and the genesis of the large Touvre aquifer - Gregory DANDURAND, Pessac, FRANCE

563 **Epigenic gypsum caves as indicators of climate-driven river incision and aggradation in a slowly uplifting region (Emilia Romagna, North Italy)** - Jo DE WAELE, Bologna, ITALY

661 **The role of condensation in the evolution of dissolutional forms in gypsum caves: an example from the karst of Sorbas (SE Spain)** - Jo DE WAELE, Bologna ITALY

850 **Cave geomorphology as a record of environmental changes: the El Pindal Cave (Cantabrian Coast, N Spain) case study** - Montserrat JIMENEZ-SANCHEZ, Oviedo, SPAIN

800 **Morphogenesis reconstitution on Kelb valley, Lebanon: contribution of Jeita cave speleogenesis and karst landforms study** - Carole NEHME, Bourget Du Lac, FRANCE

1346 **Thermal Carbonic and Sulfuric Acid Speleogenesis in Cave Provalata, Republic of Macedonia** - Marjan TEMOVSKI, Prilep, MACEDONIA

1661 **Flank margin caves on a passive continental margin: naracoorte and the other southern australian examples** - Susan WHITE, Parkville, Victoria, AUSTRALIA

780 **New perspectives on the genesis of the Miocene collapse structures of the Island of Gozo (Malta)** - Chiara TONELLI, Modena, ITALY

10:30-11:00

Coffee Break & Posters Session

11:00-12:45

Parallel sessions

S21C. Coastal geomorphology and management: Other subsessions

Amphitheater Gaston Berger

443 **Influence of sediment recycling-recharging on mixed beach behaviour: a case study at Cayeux-sur-Mer, north France** - Jerome CUROY, Falmer, UNITED KINGDOM

961 **Coastal squeeze: its assessment and integration within regional- and municipal-level planning tools** - Serge JOLICOEUR, Moncton, CANADA

1078 **Embayed configuration and geological control on beach morphodynamics and management: an overview of contrasting responses in embayed beaches of southwestern Portugal** - Carlos LOUREIRO, Faro, PORTUGAL

1323 **Development of an Integrated Geomorphic Model of Soft Cliff Retreat: Investigating the effects of varying lithology in the vertical** - Natasha CARPENTER, Southampton, UNITED KINGDOM

1442 **Cliff-top large boulders emplacement along the Southern coast of Menorca (Balearic Islands, Western Mediterranean): addressing the role of storm or tsunami wave processes in rock coast deposits** - Lluís GOMEZ-PUJOL, Palma, SPAIN

711 **Beach development on microtidal shore platforms** - David KENNEDY, Parkville, AUSTRALIA

586 **Erosion, progradation and sediment transport between beach-dune systems and adjacent beaches on shore platforms** - Ramon BLANCO-CHAO, Santiago De Compostela, SPAIN

11:00-12:45

Parallel sessions

S19C. Sediment fluxes and morphodynamics of stream channels

Amphitheater Louis Armand Est

442 **Time scale analysis of bedload discharge over steep slopes: from intermittency to white noise** - Joris HEYMAN, Lausanne, SWITZERLAND

786 **From bedform evolution to channel slope fluctuations in steep-slope streams** - François METTRA, Lausanne, SWITZERLAND

844 **On grain blocking, step formation, sediment transport dynamics and self-organized criticality in steep streams** - Peter MOLNAR, Zurich, SWITZERLAND

688 **Critical conditions for beginning of coarse sediment transport in headwater channels based in flysch rocks (Moravskoslezské Beskydy Mts., Western Carpathians)** - Tomas GALIA, Ostrava, CZECH REPUBLIC

1592 **Evaluating bedload transport in coarse alluvial streams with RFID and motion tracers** - Joel P. L. JOHNSON, Austin, UNITED STATES

935 **Bedload transport monitoring in a small upland catchment** - Frédéric LIEBAULT, Saint-martin-d'heres, FRANCE

621 **Morphodynamic and bedload displacement on a meander loop (Cher River)** - Thomas DEPRET, Meudon, FRANCE

11:00-12:45

Parallel sessions

S18. Hillslope processes and mass movements

Amphitheater Louis Armand Ouest

929 **The apply of digital photogrammetric techniques in the generation of landslide inventories of high temporal frequency for villafufre area (Cantabria, Spain)** - Alberto GONZALEZ-DIEZ, Santander, SPAIN

1340 **Defining digital signatures of landslide types for semi-automated landslide mapping** - Clemens EISANK, Salzburg, AUSTRIA

1626 **Age-dependent footprint of landslides in airborne laser scanning digital terrain models** - Rainer BELL, Vienna, AUSTRIA

785 **Long-term monitoring of slow-moving landslides: examples from the Island of Malta (Central Mediterranean Sea)** - Stefano DEVOTO, Modena, ITALY

825 **Monitoring of large mass movements on El Hierro, Canary Islands, Spain** - Jan KLIMES, Prague, CZECH REPUBLIC

1841 **Landslide monitoring, temporal analysis and susceptibility assessment at Machu Picchu, Peru** - Vit VILIMEK, Prague, CZECH REPUBLIC

11:00-12:45

Parallel sessions

S23. Aeolian systems and arid geomorphology (including subarid margins)

Room 1

12 **The Kufrah paleodrainage system in Libya: Mapping the past from space** - Philippe PAILLOU, Floirac, FRANCE

76 **The Southern Westerlies in Central Chile during the last glacial cycle as documented in coastal dunes and paleosols** - Heinz VEIT, Bern, SWITZERLAND

143 **Causal links between Eastern Mediterranean sapropel formation, Nile floods and White Nile source-bordering dunes confirmed by OSL and radiocarbon dating.** - Martin WILLIAMS, Adelaide, AUSTRALIA

632 **From dune accumulation to soil formation - Is climate change required?** - Dominik FAUST, Dresden, GERMANY

634 **Climate change and sandy aeolian deposition during the Last Glacial Maximum and Late Glacial in northwest Europe with special reference to the Lutterzand type locality, eastern Netherlands** - Cornelis KASSE, Amsterdam, NETHERLANDS

1732 **Pleistocene cold-climate wind system in the foreland of the Pannonian Basin** - Krisztina SEBE, Pecs, HUNGARY

1739 **Timing and spatial distribution of loess-like sediments and late Quaternary alluvial fans in Mongolia and adjacent areas** - Frank LEHMKUHL, Aachen, GERMANY

11:00-12:45

Parallel sessions

S05. Tectonic geomorphology (including neotectonics and paleoseismology)

Room 2

202 **The role of tectonics on the evolution of late Quaternary Amazonian landscape** - Dilce ROSSETTI, Sao Jose Dos Campos, BRAZIL

483 **Uplift history of the coastal Central Andes deduced from morphology** - Vincent REGARD, Toulouse, FRANCE

1017 **Local tsunamigenic earthquakes off northeastern Venezuela, in the southern Caribbean realm** - Franck AUDEMARD, Caracas, VENEZUELA

1319 **Active deformation of a passive margin: geomorphic evidence for persistent faulting consistent with the 23 August, 2011 Louisa County, VA earthquake** - Claudio BERTI, Bethlehem, PA, UNITED STATES

11:00-12:45

Parallel sessions

S26A. Modelling in geomorphology**Room 3**

- 20 **Space time substitution in geomorphology (modelling by rainfall)** - S. Ali A. ALMODARESI, Yazd, IRAN
- 1409 **Non-Linear Equilibrium Points in geomorphology** - Adel SEPEHR, Mashhad, IRAN
- 61 **Development of experimental landforms with rainfall-erosion and uplift of various rates** - Shunji OUCHI, Tokyo, JAPAN
- 993 **Modelling stratigraphic and surface dynamics processes on a coupled thermo-mechanical lithospheric model: an example in oblique continental rifting** - Luke MONDY, Sydney, AUSTRALIA
- 228 **How stream piracies are initiated in landscape evolution models? Predictive study in the Meuse basin** - Abed BENAICHOUCHE, Fontainebleau, FRANCE
- 613 **Relating landscape morphological complexity to catchment connectivity** - Jantiene BAARTMAN, Wageningen, NETHERLANDS
- 750 **Modelling response to local base level change using LAPSUS** - Wouter VAN GORP, Wageningen, NETHERLANDS

11:00-12:45

Parallel sessions

S07A. Extreme events in geomorphology (IAG-WG)**Room 4**

- 53 **How does "reshaping" Darwin's "Subsidence Theory of Atoll Formation" broaden the scope of tsunami hazard assessment for the Pacific Islands?** - James P. TERRY, Singapore, SINGAPORE
- 1531 **Large boulders accumulation along the NE Maltese coast: stormwaves or tsunami event?** - Sara BIOLCHI, Trieste, ITALY
- 659 **Dating tsunami deposits triggered by the catastrophic flank collapse of Fogo Island, Cape Verde Islands: insights from ESR, U/Th and 36Cl ages** - Gilles RIXHON, Cologne, GERMANY
- 1064 **Effects of the 1755 tsunami on the southern coast of the city of Cadiz (Spain)** - Loïc MENANTEAU, Nantes, FRANCE
- 717 **The application of Ground Penetrating Radar analysis to investigate the impact and recovery of a coastal dunes and the recurrence interval of palaeotsunami events on the coast of Phra Thong Island, Thailand** - Adam SWITZER, Singapore, SINGAPORE
- 225 **Constraining bedrock erosion rates and processes during extreme flood events: case study in Iceland** - Mikaël ATTAL, Edinburgh, UNITED KINGDOM
- 1866 **Geomorphic implications of differential changes in the frequency of large rainstorms of varying return period: evidence from tropical and temperate environments, Borneo and South Wales 1906-2012** - Rory Peter Dominic WALSH, Swansea, UNITED KINGDOM

11:00-12:45

Parallel sessions

S25C. Mountain geomorphology**Room AB**

- 57 **Consequences of a subglacial lake outburst flood for a proglacial fluvial system (Fagge River, Kaunertal, Austria)** - Henning BAEWERT, Halle, GERMANY
- 1292 **Ground ice distribution in a high mountain sedimentary environment and its influence on sediment fluxes and local hazards: results of geoelectrical tomography in the Rognes sector (Mont-Blanc, France)** - Jean-Baptiste BOSSON, Lausanne, SWITZERLAND
- 1788 **Influences of Snow Cover on Permafrost in unstable Rock Walls** - Daniel DRAEBING, Bonn, GERMANY
- 1499 **Mapping and modelling the discontinuity of mountain permafrost: a challenging task** - Christophe LAMBIEL, Lausanne, SWITZERLAND
- 1081 **Permafrost landforms in the Tröllaskagi peninsula, northern Iceland - implications for the deglaciation pattern** - Karianne LILLEØREN, Oslo, NORWAY

1810 **Possible climatic controls on the recent (2004-2013) variations of surface displacements of cryospheric landforms in an Andean environment (Chile, 33°S)** - Sophie SCHIAVONE, Le Bourget Du Lac, FRANCE

728 **The climatic significance of relict periglacial landforms in the New England Tablelands, Australia** - Adrian SLEE, Brisbane, AUSTRALIA

11:00-12:45

Parallel sessions

S09B. Karstic geomorphology: from hydrological functioning to palaeoenvironmental reconstructions

Room CD

1373 **Karstic evolution and Human occupation in the Mas d'Azil Cave (Ariège, Pyrénées, France): new research and new results** - Marc JARRY, Toulouse, FRANCE

1277 **Isturitz, Oxocelhaya and Erberua Caves (Pyrénées-Atlantiques, France): geoarchaeological studies** - Nathalie VANARA, Paris, FRANCE

1904 **Geomorphology of the paleo and recent hydrographic network on the karst plateau (example Una Korana plateau, Croatia)** - Neven BOCIC, Zagreb, CROATIA

139 **Canol, a proposed new karst international geopark in the Northwest Territories of Canada** - Derek FORD, Orillia, CANADA

303 **Dissolution rate of limestone under doline in the Akiyoshidai karst plateau: Evaluation from weathering experiment and hydrological observation** - Tsuyoshi HATTANJI, Tsukuba, JAPAN

81 **Origin and nature of notches on the carbonate slopes of the Carmel Mountain, Israel** - Nurit SHTOBER-ZISU, Haifa, ISRAEL

12:45-14:00

Break & Posters session

14:00-16:00

Parallel sessions

S13. Human impacts on landscapes (IAG-WG)

Amphitheater Gaston Berger

133 **The significance of small farm dams in the Karoo, South Africa** - John BOARDMAN, Oxford, UNITED KINGDOM

238 **Flood sedimentation during the extreme 2011 flood along the Lower Mississippi River, USA** - Paul HUDSON, The Hague, NETHERLANDS

403 **Human impact and rehabilitation potential on a floodplain in Hungary** - Denes LOCZY, Pecs, HUNGARY

574 **Human impact on floodplain geoecology. A Holocene perspective for the Dijle catchment, Central Belgium** - Nils BROOthaerts, Leuven, BELGIUM

801 **The legacy of mill dams in low-order streams in central Europe** - Annegret LARSEN, Kiel, GERMANY

1253 **Predicting and Managing Fluvial Processes: Opportunities for a Non-structural Approach** - Sandra BRIZGA, Clifton Hill, Victoria, AUSTRALIA

1590 **Understanding sediment provenance during storm events in an eroding blanket peat catchment in the Peak District National Park, UK** - Emma SHUTTLEWORTH, Manchester, UNITED KINGDOM

1612 **Changes of land use between 1979 to 2009 in the lower medium Araguari River Valley - Brazil** - Silvio Carlos RODRIGUES, Uberlandia, BRAZIL

14:00-16:00

Parallel sessions

S19C. Sediment fluxes and morphodynamics of stream channels

Amphitheater Louis Armand Est

1036 **Linking process and form using a field data set: issues, challenges and prospects** - Geneviève A. MARQUIS, Montréal, CANADA

1268 **The impact of impoundment on sediment transport and channel bar dynamics on the Brazos River, Texas** - Michael SLATTERY, Fort Worth, UNITED STATES

1621 **Morphodynamics of small wadis on the southern slopes of High Atlas Mountains (on the example of upper Dades catchment, Morocco)** - Elzbieta ROJAN, Warszawa, POLAND

940 **Revisiting the river bar instability** - Filippo CHIODI, Paris, FRANCE

898 **Combining Geotechnical and Hydro-Morphological Modelling to Investigate the Dynamics of Meandering Rivers** - Yannick ROUSSEAU, London, CANADA

572 **An experimental study of the grain sorting effect on braided pattern** - Pauline LEDUC, Saint Martin D'heres, FRANCE

999 **Riparian vegetation as a primary control on channel width: results and insights from the laboratory to the field** - Michal TAL, Aix-en-provence, FRANCE

1864 **Effects of bedload input on channel widening in a restored section of the Drau River, Austria** - Mario KLOESCH, Vienna, AUSTRIA

14:00-16:00

Parallel sessions

S18. Hillslope processes and mass movements

Amphitheater Louis Armand Ouest

1071 **Landslides and erosion times on the Batchingou massive (West Cameroon)** - Stéphane MBATCHOU MBATCHOU, Ngaoundere, CAMEROON

1450 **Geomorphological evolution in some clayey small catchments of central and Island Italy during the last 15,000 years** - Marco MATERAZZI, Camerino, ITALY

41 **Impacts of post glacial rebound on landsliding at a regional scale in Northern Iceland (Skagafjörður): spatial distribution and mechanisms involved** - Etienne COSSART, Paris, FRANCE

683 **Long-term slope instabilities of southern slopes of the Crimean Mountains (Ukraine), the role of karstification and slope-disequilibrium phases of the Late Quaternary** - Jan HRADECKI, Ostrava, CZECH REPUBLIC

1289 **The "El Forn" landslide, Principality of Andorra: a survivor of the late Pleistocene glacier activity** - Jordi COROMINAS, Barcelona, SPAIN

1519 **The morphogenesis of deep-seated landslides in the Romanian Curvature Carpathians as a proxy in regional landslide hazard assessment** - Mihai MICU, Bucharest, ROMANIA

396 **Repeated rock avalanches onto the Brenva Glacier (Mont Blanc massif, Italy) during the Holocene** - Philip DELINE, Le Bourget-du-lac, FRANCE

910 **Giant landslides at Late Pleistocene highstands of the Caspian Sea** - Tomas PANEK, Ostrava, CZECH REPUBLIC

14:00-16:00

Parallel sessions

S23. Aeolian systems and arid geomorphology (including subarid margins)

Room 1

21 **Landforms of the hyper-arid Northern Emirates, United Arab Emirates** - Colin PAIN, Olvera (cadiz), SPAIN

334 **Morphoclimatic significance of eolian plugs on the northern margins of Sahara desert** - Mohamed BENAZZOUZ, Constantine, ALGERIA

698 **Mapping China's deserts and desert margins: A database approach to understanding form, process and causality** - Louis SCUDERI, Albuquerque, UNITED STATES

763 **Aeolian sand landforms in the Mainling Wide Valley of the Yarlung Zangbo River** - Chunlai ZHANG, Beijing, CHINA

938 **Aeolian sediments on the north-eastern Tibetan Plateau** - Georg STAUCH, Aachen, GERMANY

1157 **North Sinai Sand Sea, Egypt: Dune Types and Forms, Sediments, and Hazards** - Nabil Sayed EMBABI, Cairo, EGYPT

1206 **Geomorphology of western desert Iraqi** - Waleed HAMED, Plymouth, UNITED KINGDOM

1884 **Complex dune patterns of the northern Rub' Al-Khali, UAE' age and origins** - Nicholas LANCASTER, Reno, UNITED STATES

14:00-16:00

Parallel sessions

S03. Planetary geomorphology (IAG-WG)

Room 2

1735 **Understanding the environmental fate of glaciovolcanic glass using the parallels between subglacial volcanism in Iceland and on Mars** - Sebastiaan DE VET, Amsterdam, NETHERLANDS

615 **Characteristics Of Basaltic Sand: Age-Dating Techniques And Understanding Size, Shape, And Composition As A Function Of Transport Process And Distance** - Robert CRADDOCK, Washington, DC, UNITED STATES

478 **Action of sublimation in the formation of spiral-shaped ice megadunes on the martian polar caps** - Clemence HERNY, Nantes, FRANCE

1141 **Active geysers, dark flow and "Spiders" in the Martian polar region** - Frederic SCHMIDT, Orsay, FRANCE

489 **Remnants of an equatorial glaciated valley landsystem in Valles Marineris (Mars)** - Marine GOURRONC, Nantes, FRANCE

862 **Deep-seated gravitational spreading in Valles Marineris' observations and modeling** - Olga KROMUSZCZYNSKA, Wroclaw, POLAND

1568 **The latitudinal distribution of putative periglacial sites on the northern plains of Mars** - Alexander BARRETT, Milton Keynes, UNITED KINGDOM

1567 **Investigation of possible coastal and periglacial landforms in Gale Crater, Mars** - Laetitia LE DEIT, Berlin, GERMANY

14:00-16:00

Parallel sessions

S26A. Modelling in geomorphology

Room 3

1047 **Validating predictions of braided river morphodynamics: static and dynamical metrics** - Richard David WILLIAMS, Aberystwyth, UNITED KINGDOM

1654 **A machine learning approach to estimate river bank erosion through multi-temporal LIDAR and spectral imagery** - Fabio IWASHITA, Brisbane, AUSTRALIA

276 **Massively parallel particle-based methods in landscape evolution modelling: geomorphic validity and performance** - Tristan MARTEL, London, CANADA

680 **PARALLEM: A new parallel-coded Landscape Evolution Model** - Darrel MADDY, Newcastle Upon Tyne, UNITED KINGDOM

1921 **Parallel processing in WPS services for geological and geomorphological mapping** - Massimiliano ALVIOLI, Perugia, ITALY

778 **Multivariate Global Sensitivity Analysis of a Landscape Evolution Model: Multiple Model-Ensemble Deployment on a High Throughput Computing Grid** - Adam TRUEMAN, Durham, UNITED KINGDOM

643 **Are "Physically-based" soil erosion models physically-based? Some elements from a sensitivity analysis of the Hairsine and Rose model** - Marie ROUSSEAU, Orléans, FRANCE

14:00-16:00

Parallel sessions

S10. Quaternary geomorphology

Room 4

1166 **From Morphostratigraphy to Chronostratigraphy - Modern Quaternary Geomorphology as a Basic for Climatic Research** - Margot BÖSE, Berlin, GERMANY

1193 **Morphogenesis of SE part of the Lodz region, Central Poland, during late Saalian (MIS 6, WARTANIAN STAGE)** - Lucyna WACHECKA-KOTKOWSKA, Lodz, POLAND

565 **Distribution, formation and chronology of Late Quaternary sediments in the Central Spanish Pyrenees** - Thomas RAAB, Cottbus, GERMANY

1119 Overview of Last Deglaciation sedimentological, palynostratigraphical and 14C chronologies in mountain lake sediments: Towards improved knowledge of the MIS2/MIS1 transition in the Mediterranean Alps - *Frédéric GUITER, Aix En Provence, FRANCE*

1971 Changes in relief of the Azau Valley in Central Caucasus Mts resulting from impact of volcanic activity and glaciers' oscillations during the last 1100 years - *Adam LAJCZAK, Kielce, POLAND*

178 Late Holocene environmental and climatic conditions in Adventalen valley (Svalbard) based on sedimentological studies of ice-wedge polygon terrain - *Marc OLIVA, Lisboa, PORTUGAL*

1256 Typology and chronology of terraces around the lake Van: highlighting changes in palaeogeography of the lake basin during the Late Pleistocene - *Aurelien CHRISTOL, Fecamp, FRANCE*

14:00-16:00

Parallel sessions

S06. Volcanic geomorphology: towards a quantitative assessment of volcanic landforms, processes and hazards

Room AB

1235 Geomorphic analysis of eruptive vents, landslide and debris flows of the 2012 Te Maari eruption from Mt. Tongariro, New Zealand - *Jonathan PROCTER, Palmerston North, NEW ZEALAND*

1308 The geomorphology of the Rinjani volcanic complex, Lombok Island, Indonesia: a result of a major historic eruption - *Franck LAVIGNE, Meudon, FRANCE*

971 Using volcanic landforms, their ages, bedrock and tectonic setting across the very large monogenetic field of the Newer Volcanic Province of southeastern Australia to assess future eruptions - *Edmund Bernard JOYCE, Parkville, AUSTRALIA*

1764 Lahars at Merapi Volcano following 2010 eruption: geomorphic impacts and hazards assessment - *Danang Sri HADMOKO, Yogyakarta, INDONESIA*

1907 Intrusion generated topography in monogenetic volcanoes - *Benjamin VAN WYK DE VRIES, Clermont-ferrand, FRANCE*

916 Morphological changes associated with the emplacement of lava flows in coastal environments on the island of El Hierro (Canary Islands) - *Cayetano GUILLÉN-MARTÍN, Tenerife, SPAIN*

611 Evaluation of mechanical erosion and volcanic construction rates in the Basse-Terre Island (Guadeloupe, Lesser Antilles) - *Julia RICCI, Orsay, FRANCE*

1211 Comparison of Andean Volcanoes landforms through geomorphometric analysis - *Sergio CAMIZ, Roma, ITALY*

14:00-16:00

Parallel sessions

S09B. Karstic geomorphology: from hydrological functioning to palaeoenvironmental reconstructions

Room CD

S09. Rock control on geomorphic processes and landforms

1065 Hydrogeological characterisation of evaporite Karst Wetlands in southern Spain - *Bartolome ANDREO, Malaga, SPAIN*

783 Conceptual model of the hydro-sedimentary behaviour of an estuarine karst: Example of Radicatel springs in the Seine Estuary (Normandy, France) - *Stéphane CHEDEVILLE, Mont-saint-aignan, FRANCE*

602 Towards a better comprehension of rainfall-runoff relation in karst system at various time scales. Case study on the Lez aquifer (Southern France) - *Virgile TAVER, Ales, FRANCE*

450 Groundwater monitoring network in the classical Karst (NE Italy, SW Slovenia) - *Luca ZINI, Trieste, ITALY*

420 Lithological controls on patterns of landsliding in northwest Malta - *Alan DYKES, Kingston Upon Thames, UNITED KINGDOM*

1265 Factors that Affect the Formation and Development of Gölcük Uvala in Western Turkey - *Isa CUREBAL, Balikesir, TURKEY*

1909 A new paradigm in geomorphology and geology of reservoirs: The deep alteration of rocks by "ghost-rock" process - *Richard MAIRE, Pessac, FRANCE*

1534 **Twidale's Rock: a granite block showing linked rock basins, channels and relief inversion** - Monica ALVAREZ DE BUERGO, Madrid, SPAIN

16:00-16:30

Coffee Break & Posters Session

16:30-18:15

Parallel sessions

S13. Human impacts on landscapes (IAG-WG)

Amphitheater Gaston Berger

4 **The Environmental Impact of Feeding One's Family** - William DOOLITTLE, Austin, UNITED STATES

6 **Geomorphic Impacts of Maya Civilization** - Timothy BEACH, Washington, DC, UNITED STATES

374 **High impact: 10 000 years of human-environment interaction in the Silvretta Alps** - Katja KOTHIERINGER, Bamberg, GERMANY

1250 **Ethiopia in the 1930s: historical aerial photographs and their fusion with current remotely sensed imagery for retrospective landscape analysis** - Amaury FRANKL, Gent, BELGIUM

412 **Landscape resilience and sustainability in subtropical Argentina** - Jose Manuel SAYAGO, San Miguel De Tucuman, ARGENTINA

1089 **Geomorphological and landscape impacts of the development of the port of Veracruz (Gulf of Mexico) between the 16th and 21st centuries** - Loïc MENANTEAU, Nantes, FRANCE

1152 **Old hydrotechnical constructions - their impact on present landscape and morphological processes in depopulated areas; Central Sudetes Mts., SW Poland** - Agnieszka LATOCHA, Wroclaw, POLAND

16:30-18:15

Parallel sessions

S19C. Sediment fluxes and morphodynamics of stream channels

**Amphitheater
Louis Armand Est**

1431 **Experimental sediment reintroduction into the Rhine River downstream the Kembs dam: feedbacks from repeated field measures and high resolution imagery** - Fanny ARNAUD, Lyon, FRANCE

604 **Relationships between bank protection and forced pool characteristics in a low gradient flood prone river, Central Norway** - Geir VATNE, Trondheim, NORWAY

1883 **Spatial and temporal patterns of channel change and bedload transport of the Wood River, Upper Klamath Basin, USA: implications for assessing river management and restoration** - Michael HUGHES, Klamath Falls, UNITED STATES

1851 **Contemporary channel adjustments in a periurban catchment in the frame of a long-term sediment cascade history (Yzeron, City of Lyon, France)** - Laurent SCHMITT, Strasbourg, FRANCE

820 **What Impact Does Urbanisation Have on the Depth of Bedload Sediment in Streams?** - Nima ZORRIASATEYN, Parkville, AUSTRALIA

922 **Stream incision and sediment wave consecutive to three centuries of timber floating in the Morvan Massif (Central France)** - Frederic GOB, Paris, FRANCE

774 **Recent morphological evolution of a headwater stream in agricultural context after channelization (Ligoire River, France)** - Valentin LANDEMAINE, Mont Saint Aignan, FRANCE

16:30-18:15

Parallel sessions

S18. Hillslope processes and mass movements

Amphitheater Louis Armand Ouest

874 **Long term evolution of "Les Vaches Noires" cliffs and spatio-temporal occurrence of landslides (Calvados, Basse-Normandie, France)** - Olivier MAQUAIRE, Caen, FRANCE

921 **Magnitude-frequency scaling of a long-term inventory of landslides in Great Britain** - Martin D. HURST, Nottingham, UNITED KINGDOM

1518 **Tree-ring analysis in the reconstruction of slope instabilities associated with earthquakes and precipitation (the Crimean Mountains, Ukraine)** - Karel SILHAN, Ostrava, CZECH REPUBLIC

1595 **Analysis of high magnitude mass movements on January 2011 rainstorm - Nova Friburgo, Brazil** - Raphael LIMA, Rio De Janeiro, BRAZIL

1740 **Spatio-temporal landslide dynamics and their contribution to the channel system from 1946 to 2011, Southern Ruahines, New Zealand** - Raphael Alois RIEDLER, Vienna, AUSTRIA

112 **Slope movements shaping the landscape in the Daunia Apennines (Southern Italy), and their effects on the built-up environment** - Mario PARISE, Bari, ITALY

886 **Constraining relative chronologies of mass movements using soil characteristics** - Andrzej KACPRZAK, Krakow, POLAND

16:30-18:15

Parallel sessions

S23. Aeolian systems and arid geomorphology (including subarid margins)

Room 1

14 **Particle-size fractionation of eolian sand along the Sinai - Negev erg** - JOEL ROSKIN, Beer-sheva, ISRAEL

121 **Windy silt deposits (or loess) in Southeast Tunisia (Northern borders of the Great Sahara): chronostratigraphy and paleoenvironments of their deposition** - Tarek BEN FRAJ, Ksibet Mediouni, TUNISIA

409 **The role of active sand seas in forming desert loess sequences with implications to the Chinese Loess Plateau.** - Rivka AMIT, Jerusalem, ISRAEL

1275 **Dust emission dynamics and source area variability: field measurements for climate modelling** - Frank WIGGS, Cape Town, SOUTH AFRICA

1327 **Soil organic carbon enrichment of dust emissions: magnitude, mechanisms and its implications for the carbon cycle** - Craig STRONG, Brisbane, AUSTRALIA

1452 **Dust Sources of Southern African** - Frank ECKARDT, Cape Town, SOUTH AFRICA

16:30-18:15

Parallel sessions

S03. Planetary geomorphology (IAG-WG)

Room 2

903 **Depositional Environment of Large Alluvial Fans in Saheki Crater, Mars** - Alan HOWARD, Charlottesville, UNITED STATES

1102 **Surface dissolution on Titan: Ontario Lacus, Sikun Labyrinthus and other karst-like landscapes** - Thomas CORNET, Nantes, FRANCE

706 **Climate Change on Titan: Hypotheses and the Geological Record** - Jeffrey M. MOORE, Moffett Field, UNITED STATES

1768 **Evolution of terrestrial and Titan's rivers** - Katarzyna MISIURA, Warszawa, POLAND

376 **Martian valley network geometry from mars express stereo images topography: implication for martian climate.** - Véronique ANSAN, Nantes, FRANCE

1536 **The third dimension of surface process: using hydrological analysis of high-resolution elevation data on the Moon, Mars and Earth to evaluate the action of water** - Susan J. CONWAY, Milton Keynes, UNITED KINGDOM

1657 **The morphology and distribution research of boulders in Lunar Sinus Iridum** - Xiaoduan ZOU, Beijing, CHINA

16:30-18:15

Parallel sessions

S26D - Statistics in geomorphology

Room 3

Statistical approaches in fluvial geomorphology : problem statement, examples and challenging issues - Hervé PIEGAY, Lyon, FRANCE

1105 **Susceptibility analysis of landslide in the Bacia Do Marumbi (Morretes/PR) using bivariate and multivariate statistical methods** - José Luís ZÉZERE, Lisboa, PORTUGAL

1241 **Automated geomorphological classification for the creation of rigorous shaded relief maps** - Fabio VERONESI, Zuerich, SWITZERLAND

1367 **Interpreting wavelet-based decompositions of geomorphological features: the example of the Rhone river bathymetry** - Lise VAUDOR, Lyon, FRANCE

543 **Accounting for uncertainty in fluvial geomorphology using Bayesian statistics** - Mark SCHMELTER, Mesa, UNITED STATES

1180 **Hierarchical Bayesian modelling for hydrological spatiotemporal mountain climate proxies** - Nicolas ECKERT, Grenoble, FRANCE

16:30-18:15

Parallel sessions

S10. Quaternary geomorphology

Room 4

1112 **Late Quaternary climate and landscape evolution in north Gujarat: a multiproxy study of the Pariyaj Lake archive, western India** - Rachna RAJ, Vadodara, INDIA

110 **Landform Evolutions: Sedimentary Records from Lake Borsog, Eastern Shore of Lake Khuvsgul, Mongolia** - Aleksandr ORKHONSELENCE, Ulaanbaatar, MONGOLIA

476 **New insights on the Quaternary stratigraphy of the coarse-grained Golo river alluvial plain (east-Corsica margin)** - Julien MOREAU, Plouzane, FRANCE

775 **Influence of bedrock on the fluvial morphodynamics in the Pleistocene Dives River (NW France)** - Guillaume JAMET, Caen, FRANCE

943 **Late Holocene flood phases in the Upper Dniester river basin: response to climate change and human impact in the Carpathian Foreland** - Piotr GEBICA, Rzeszów, POLAND

646 **Heinrich Events and Late Pleistocene geomorphic instability on the central Portuguese coast** - Michael M. BENEDETTI, Wilmington, NC, UNITED STATES

588 **Holocene record of hydrological changes in the Nile delta using Sr isotopes: an exemple of climatic forcing, societal management and local geomorphological responses (Maryut lagoon, Egypt).** - Clément FLAUX, Aix-en-provence, FRANCE

16:30-18:15

Parallel sessions

S06. Volcanic geomorphology: towards a quantitative assessment of volcanic landforms, processes and hazards

Room AB

520 **Quantitative assessment of external environmental controls on the style of monogenetic volcanic eruptions** - Karoly NEMETH, Palmerston North, NEW ZEALAND

1620 **Towards a comprehensive morphometric classification of composite volcanoes** - Matthieu KERVYN, Brussels, BELGIUM

1512 **Mapping and quantifying the morphometry of volcanic features using high resolution Tandem-X DEM: the Virunga Volcanic Field, DR. Congo** - Matthieu KERVYN, Brussels, BELGIUM

924 **Morpho-structural evolution of a volcanic island developed inside an active oceanic rift: São Miguel Island (Terceira Rift, Azores)** - Aurore Louise Roberta SIBRANT, Orsay, FRANCE

1287 **The volcanic morphology of the intra-caldera Kameni islands, Santorini, based on high resolution bathymetry and LiDAR data** - Michelle PARKS, Oxford, UNITED KINGDOM

279 **Multi scale patterns of aggradation and degradation on persistently active composite cones: the case study of Semeru, Indonesia, mapped and measured from satellite imagery, aerial photographs, and DEMs** - Jean-Claude THOURET, Clermont-Ferrand, FRANCE

264 **Morpho-structural evolution of an active large-scale slump on the flank of an unstable volcanic island (Pico, Azores)** - Ana COSTA, Lisboa, PORTUGAL

16:30-18:15

Parallel sessions

S09A. Sandstone geomorphology (Danxia IAG WG), extended to quartzites

Room CD

883 **Primary study on the global distribution and geomorphic development of red beds** - Zhixin PAN, Guangzhou, CHINA

1331 **Preliminary Study on Danxia Landform in China** - Deli QI, Beijing 100101, CHINA

979 **Study on the genesis of danxia landform in Longhushan area, southeast China** - Fang REN, Saint Louis, UNITED STATES

1637 **Contraverses over naming landscapes and implications' Case of Zhangjiajie Global Geopark of China** - He Qing HUANG, Beijing, CHINA

25 **"Mo Hin Khao" a sandstone geotourism site in Thailand** - Seriwat SAMINPANYA, Bangkok, THAILAND

1655 **"Rougiers" and "Ruffes" of southern France. A comparative study of geology, landforms and landscapes in the Permian basins of Lodève and Saint-Affrique (Aveyron, Hérault)** - Christian GIUSTI, Paris, FRANCE

1230 **Sandstone versus conglomerate erosional landscapes - Why similarities? Why differences?** - Piotr MIGÓN, Wrocław, POLAND

18:15-19:15

Keynote lecture

Geomorphology of Éthiopie and Human Origins
Asfawossen ASRAT, Addis Ababa, ETHIOPIA

Amphitheater Gaston Berger

Overflow rooms: Louis Armand Est & Ouest

Saturday August 31

08:00-10:15

Parallel sessions

S13. Human impacts on landscapes (IAG-WG)

Amphitheater Gaston Berger

- 9 **Humans as geological and geomorphological agents in the Anthropocene** - Simon PRICE, Nottingham, UNITED KINGDOM
- 58 **Maintaining the Integrity of the Environment in an Arctic Delta During Modernization** - Harley WALKER, Baton Rouge, UNITED STATES
- 383 **Measuring the impacts of pastoral activities on wind erosion using a grazing gradient: case study in Western New South Wales, Australia** - Helene AUBAULT, Brisbane, AUSTRALIA
- 907 **Are erosion rates relevant for soil erosion studies?** - Jose M. GARCIA-RUIZ, Zaragoza, SPAIN
- 1447 **Human impact on erosion and burial of soil carbon through time** - Thomas HOFFMANN, Bonn, GERMANY
- 1540 **Pedogenic Effects of Mid to Late Holocene Conversion of Forest to Pasture in the Western French Pyrenees** - David S. LEIGH, Athens, GA, UNITED STATES
- 1937 **Comparing geologic and contemporary erosion rates: implications for land management in the Great Barrier Reef catchments, Australia** - Rebecca BARTLEY, Brisbane, AUSTRALIA
- 1987 **Fluvial geomorphology and landscape evolution analyzed through the cartography of a large river. The case of the Argentinian Parana** - Marie FORGET, Le Bourget Du Lac, FRANCE
- 600 **Palynological signals of mid-Holocene natural or human induced erosion episodes in the Alcábrichel estuary, central littoral Portugal** - Randi DANIELSEN, Lisboa, PORTUGAL

08:00-10:15

Parallel sessions

S19C. Sediment fluxes and morphodynamics of stream channels

Amphitheater Louis Armand Est

- 1092 **A comprehensive analysis of bedform evolution on the Rhône River, France** - Elsa PARROT, Lyon, FRANCE
- 1328 **The post-glacial evolution of Cordilleran rivers in southwestern British Columbia: timescales, texture and topography** - Jon TUNNICLIFFE, Auckland, NEW ZEALAND
- 1404 **Aggradation and incision of the fluvial terraces in response to the change in the river regime and pattern during the Holocene in Gujarat Alluvial Plain, western India** - Alpa SRIDHAR, Vadodara, INDIA
- 702 **Quantifying the influence of landscape connectivity on alluvial sediment flux in the upper Yellow River** - Tami NICOLL, Auckland, NEW ZEALAND
- 1690 **Trends in alluvial channel geometry: an indicator of decadal fluctuations in regional sediment supply and local flood risk** - Louise J. SLATER, St Andrews, Fife, UNITED KINGDOM
- 1897 **A simple approach to understand the kinetics of the responses of the river beds to changes in the sediment supply and hydrological regimes at the watershed scale** - Hernán ALCAYAGA SALDIAS, Santiago, CHILE
- 1630 **Within-channel levees: a new-recognized fluvial form in the floodplain of a large river (Paraná River, South America)** - Carlos Guillermo RAMONELL, Santa Fe, ARGENTINA
- 561 **Establishment of a sedimentation monitoring system of irrigation dams in Burkina Faso: The PADI project** - ERIC HALLOT, Liege, BELGIUM
- 1182 **Evaluation of genetic structure of erosion intensity in river basins according to the analysis of river suspended sediment flux** - Artem GUSAROV, Kazan, RUSSIAN FEDERATION

08:00-10:15

Parallel sessions

S18. Hillslope processes and mass movements**Amphitheater****S18A. CERG Subsession: Methods for landslide hazard and risk assessment****Louis Armand Ouest**

1019 **Crevice-type rockslide caves and their relation to the slope deformations** - Jan LENART, Ostrava, CZECH REPUBLIC

650 **Cliffs and screes: the Reverend Fisher, Bakker and Le Heux, Statham and Kirkby and DEM** - Keith RICHARDS, Cambridge, UNITED KINGDOM

102 **Geomorphometric assessment of large mass movements in Afghanistan and Pakistan** - John SHRODER, Omaha, UNITED STATES

1960 **Geomorphological processes affecting the conservation of the Shahr-e Zohak archaeological site (Central Afghanistan)** - Claudio MARGOTTINI, Roma, ITALY

1234 **The use of engineering geomorphology in landslide assessments: a Hong Kong case study** - Steven PARRY, Sheung Wan, HONG KONG

1957 **Characterizing the complex morpho-structure of coastal landslides combining airborne and ground-based investigations** - Candide LISSAK, Caen, FRANCE

190 **A geomorphologic and probabilistic approach to the number and size of blocks of fragmental rockfalls** - José MOYA, Barcelona, SPAIN

755 **A modelling approach of the large, rapid Yigong rockslide' debris avalanche, Southeast Tibet** - Theo VAN ASCH, Utrecht, NETHERLANDS

1728 **Physical and geotechnical properties of soils and shallow landslides, Serra Do Mar Mountain Range, Brazil** - Bianca CARVALHO VIEIRA, São Paulo, BRAZIL

08:00-10:15

Parallel sessions

S21B. Rocky coasts (IAG-WG)**Room 1**

1249 **The influence of inter-tidal shore platforms on soft cliff recession rates and headland formation on the southwest coast of the Isle of Wight** - Caroline STUIVER, Southampton, UNITED KINGDOM

1539 **Alongshore variations in hard rock coastal cliff erosion** - Emma NORMAN, Durham, UNITED KINGDOM

315 **Pluri-decadal evolution of cretaceous coastal cliffs along the eastern English Channel in Upper-Normandy (NW France), as evidenced by aerial photographs and Lidar** - Sylvain ELINEAU, Le Havre, FRANCE

66 **Fall of coastal chalk cliffs in Upper Normandy: Towards the determination of triggering factors** - Pauline LETORTU, Caen, FRANCE

330 **Analyzing the spatial structure of sea cliff instabilities through repeated high resolution terrestrial laser scanning surveys and point processes statistics** - Jeremy ROHMER, Orléans, FRANCE

335 **A new approach to coastal cliff landslide hazard assessment** - Mark DICKSON, Auckland, NEW ZEALAND

673 **Application of GNU Octave tools to analyse the shape of a rocky shoreline - an example from Hornsund area (SW Spitsbergen, Svalbard)** - Zuzanna SWIRAD, Wrocław, POLAND

564 **A feedback model relates rocky coast erosion to percolation theory, a new perspective on the statistics of erosion events** - Bernard SAPOVAL, Palaiseau, FRANCE

1274 **Set up and evolution of cliff-top storm deposits on the western coast of Banneg island in the Molène archipelago, Brittany, France** - Bernard FICHAUT, Plouzané, FRANCE

08:00-10:15

Parallel sessions

S20. Sediment budgets (IAG-WG covering all environments)**Room 2**

679 **Development and application of a fingerprinting technique for quantitative source ascription of fine sediment in a large dynamic fluvial environment: Manawatu, New Zealand** - Simon VALE, Palmerston North, NEW ZEALAND

1361 **The sediment budget: a tool to evaluate scale effect on sediment dynamics into a catchment** - Vincent VIEL, Caen, FRANCE

1817 **Application of the physically based model, power spectral analyses and cross correlation analyses to estimate the sediment budget and the delay time for an impacted stream: case study of Italy** - Samanta PELACANI, Florence, ITALY

1939 **Modeling of rainfall-runoff and soil erosion processes in various scales and using various DEM - assessment of effects** - Jan DEVATY, Prague, CZECH REPUBLIC

254 **Geological and geomorphological controls of suspended sediment fluxes in periglacial environments of Russian Arctic** - Nikita TANANAEV, Yakutsk, RUSSIAN FEDERATION

378 **Spatial patterns and timescales of fine sediment redistribution in river basins: application of a sediment budget model with fallout radionuclide tracers** - Hugh SMITH, Plymouth, UNITED KINGDOM

517 **Sediment Budgets in data poor environments: Case of the Kambaniru Catchment, Indonesia** - Sarah HOBGEN, Darwin, AUSTRALIA

08:00-10:15

Parallel sessions

S26B. Remote sensing (including laser scanning, applications of radar, etc.)

Room 3

1761 **Differential SAR Interferometry in alpine geomorphology: Potential of this high precision technology for detecting and surveying landforms in mountain environment** - Chloé BARBOUX, Fribourg, SWITZERLAND

737 **Sea cliff erosion monitoring by boat-borne Laser-scanning** - Jérémy GIULIANO, Aix En Provence, FRANCE

1678 **Airborne laser scanning of forested rock extraction: Airborne parameterizations, quality assessment, and rockfall modeling** - Khamarrul Azahari RAZAK, Kuala Lumpur, MALAYSIA

1365 **Predicting Rock-Movements by Interferometric Radar Measurements** - Daniel TOBLER, Zollikofen, SWITZERLAND

651 **The application of UAV's for high-precision glacial, periglacial and hydrological monitoring** - Brian MOORMAN, Calgary, CANADA

1915 **Rockglacier movement detection by D-InSAR in French Alps using ERS archive data and TerraSAR-X data** - Thomas ECHELARD, Grenoble, FRANCE

366 **Time-lapse stereo-photogrammetric monitoring of volcanic slopes** - Thomas DEWEZ, Orléans, FRANCE

1049 **Continuous tracking of objects for characterizing landslide displacements from terrestrial images** - Julien GANCE, Strasbourg Cedex, FRANCE

1285 **High-resolution quantification of mountain permafrost displacements: insights from Terrestrial Laser Scanning and image correlation techniques** - Xavier BODIN, Le Bourget-du-lac, FRANCE

08:00-10:15

Parallel sessions

S10A. FLAG, GLOPCH and PAGES-LUCIFS

Room 4

868 **Plioquaternary morphosedimentary evolution of the Allier valley (Massif Central, France). New contribution of K-Ar and ⁴⁰Ar/³⁹Ar datings** - Jean-François PASTRE, Meudon, FRANCE

501 **Links between geomorphology and Quaternary geology: evidence from fluvial archives** - David BRIDGLAND, Durham, UNITED KINGDOM

410 **Incision/aggradation events in river valleys of the Central Russian Plain in the Valdaian (Weichselian) Holocene climatic cycle** - Andrey PANIN, Moscow, RUSSIAN FEDERATION

263 **Unraveling the Quaternary river incision in the Moselle and the Sarre valleys (Rhenish Massif, Germany): insights from cosmogenic nuclide dating (¹⁰Be/²⁶Al) of fluvial terraces** - Stéphane CORDIER, Créteil, FRANCE

735 **Sediment storage and evacuation episodes during the Late Quaternary in the intermontane basin of Dehradun, NW India** - Swati SINHA, Kanpur, INDIA

1870 **River system response to Pleistocene glaciation within a Mediterranean landsystem** - Kathryn ADAMSON, London, UNITED KINGDOM

1787 **Alluvial megafans along the Italian Southern Alps** - Paolo MOZZI, Padova, ITALY

1840 **Fluvial responses to climate changes, eustatism, neotectonics and anthropogenic impacts during the last 50 000 years in the Northwestern Africa: Gharb plain, Oued Sebou watershed (Morocco)** - Cyril CASTANET, Paris, FRANCE

1843 **The Loir River fluvial dynamics during the Lateglacial and the Holocene (France): multi-scaled and multi-proxy approach** - Julienne PIANA, Angers, FRANCE

08:00-10:15

Parallel sessions

S07. Magnitude and frequency in geomorphology

Room AB

1458 **Magnitude and frequency in geomorphology on changes and choices** - Oliver KORUP, Potsdam, GERMANY

1246 **Human-induced changes in geomorphic process rates: Can we gain new insights when analysing magnitude-frequency distributions?** - Veerle VANACKER, Louvain-la-neuve, BELGIUM

1844 **Event based magnitude/frequency analysis in geomorphology** - Paul GARES, Greenville, NC, UNITED STATES

492 **The concept of frequency-magnitude relationship versus system dynamics in mountain catchments** - Margreth KEILER, Bern, SWITZERLAND

1433 **Magnitude and frequency scenarios for a changing alpine environment** - Peter MANI, Bern, SWITZERLAND

990 **Flood Reconstruction and Implications for Magnitude-Frequency** - Jacky CROKE, Brisbane, AUSTRALIA

1082 **Landslide frequency-area distribution in the region north of Lisbon (Portugal)** - Ricardo Alexandre Cardoso GARCIA, Lisboa, PORTUGAL

08:00-10:15

Parallel sessions

S17. Geomorphology and the Critical Zone (including weathering, soils and biogeomorphology)

Room CD

1355 **Landscape evolution models and the critical zone** - Michael KIRKBY, Leeds, UNITED KINGDOM

1377 **Altitudinal variations in the size and flux of eroded sediment revealed by cosmogenic nuclides and detrital thermochronometry** - Claire LUKENS, Laramie, UNITED STATES

230 **Impact of biological soil crusts on the infiltration / runoff balance along a rainfall gradient in south-eastern Tunisia** - Sabine GUIDEZ, Montpellier, FRANCE

275 **Non-lateritic red soils of the Brazilian drylands: pedogenic processes and landscape evolution** - François BETARD, Paris, FRANCE

1752 **Sandization in Southern Brazil Campos (Ibicui Basin, Rio Grande do Sul State)** - Roberto VERDUM, Porto Alegre, BRAZIL

337 **Cenozoic evolution of the critical zone on Kangaroo Island, South Australia: a framework of landscape geochemical and biogeochemical evolution and the effect of contemporary anthropogenic landscape change** - Katherine STOATE, Adelaide, South Australia, AUSTRALIA

485 **Analysis of Relief-Rock-Soil Relationship in the Contact Atlantic Plateau - Peripheral Depression of Sao Paulo** - Fernando NADAL JUNQUEIRA VILLELA, Sao Paulo, BRAZIL

446 **Relation of soil depth and slope degree in Loano District, Central Java Province, Indonesia** - Nur Ainun Harlin PULUNGAN, Innsbruck, AUSTRIA

10:15-10:45

Coffee Break & Posters Session

10:45-12:30

Parallel sessions

S13. Human impacts on landscapes (IAG-WG)**Amphitheater Gaston Berger**

103 **Anthropogenic Geomorphology of a highly urbanised fluvial plain: Pinheiros River, Sao Paulo, Brazil.**
- Rodolfo LUZ, Sao Paulo, BRAZIL

105 **On explaining urban river morphology** - Peter ASHMORE, London, CANADA

471 **Possitive impacts of global geomorphic change: generation of renewable geologic materials?** - Antonio CENDRERO, Santander, SPAIN

521 **Stream geomorphology is dramatically altered by small amounts of urbanisation** - Geoff VIETZ, Melbourne, AUSTRALIA

1309 **Human induced land surface alteration in and around Pune city, India** - SUDHAKAR PARDESHI, Pune, INDIA

1705 **Water and wastewater pipelines - geomorphological challenges** - Daryl GILCHRIST, Sydney, AUSTRALIA

10:45-12:30

Parallel sessions

S19C. Sediment fluxes and morphodynamics of stream channels**Amphitheater****S19B. Small catchments (IAG-WG)****Louis Armand Est**

669 **Anomaly suspended sediment loads and channel morphology changes in a Mediterranean catchment: the effects of land cover and land use changes** - Roey EGOZI, Emek Hefer, ISRAEL

437 **Sediment tracing in the upper Hunter catchment using elemental and mineralogical composition: Implications for catchment-scale suspended sediment (dis)connectivity and management** - Kirstie FRYIRS, North Ryde, AUSTRALIA

695 **Sediment budget modelling in the northern Great Barrier Reef, Australia; without empirical data' don't bother!** - Andrew BROOKS, Brisbane, AUSTRALIA

633 **The monitoring of small rivers catchments in various climatic zones - assumptions of methodological and methodical studies** - Andrzej KOSTRZEWSKI, Poznan, POLAND

1023 **Geomorphological features of small watercourses in a context of river landscape sustainability in the Czech Republic** - Jiri JAKUBINSKY, Brno, CZECH REPUBLIC

1247 **Geochemical and physical loss from a small catchment area in the sub-humid 'tropics: contribution of gullies** - Cristina AUGUSTIN, Belo Horizonte, Mg, BRAZIL

1898 **Extreme land-forming processes development and distribution in the Ukrainian Carpathians under natural and man-made factors** - Andriy MYKHNOVYCH, Lviv, UKRAINE

10:45-12:30

Parallel sessions

S18A. CERG Subsession: Methods for landslide hazard and risk assessment**Amphitheater Louis Armand Ouest**

960 **A reappraisal of field geomorphology in landslide hazard investigation** - Alessandro GHINOI, Modena, ITALY

1170 **Comparing binary logistic regression and stochastic gradient boosting techniques in debris-flows susceptibility modelling: application in North-Eastern Sicily** - Luigi LOMBARDO, Palermo, ITALY

1171 **Landslide susceptibility modelling for extreme rainfall-triggered multiple landslides: a key study from the 2009 event in the Giampilieri Aera (Sicily, Italy)** - Edoardo ROTIGLIANO, Palermo, ITALY

1199 **Assessment of rockfall susceptibility in different morphostructural frameworks, Abruzzo Region, Central Italy** - Tommaso PIACENTINI, Chieti, ITALY

1498 **Assessing for deep-seated catastrophic landslide susceptibility of Japan: Application and verification for Kii mountain range, Japan** - Koji MORITA, Tsukuba-city, Ibaraki-prefectu, JAPAN

1804 **Debris Flows in Rio de Janeiro: Mapping, Modeling and Dating** - Nelson FERNANDES, Rio De Janeiro, BRAZIL

10:45-12:30

Parallel sessions

S21B. Rocky coasts (IAG-WG)**Room 1**

- 1236 **Geomorphic hazard along southern Abruzzo coast (central Italy)** - Alessandra MARINO, Roma, ITALY
- 212 **Geomorphological evidence of extreme wave events in the Maltese Islands** - Derek MOTTERSHEAD, Portsmouth, UNITED KINGDOM
- 977 **Evidence of storm wave induced shore platform boulder dynamics at Timaru, New Zealand** - Alenka ABAZOVIC, Dunedin, NEW ZEALAND
- 686 **Microseismic observations of coastal ground motion and geomorphic implications** - Adam YOUNG, La Jolla, California, UNITED STATES
- 835 **Towards an improved understanding of tidal notch development: ten years of micro-erosion meter rates, Phang Nga Bay, Thailand** - Cherith MOSES, Brighton, UNITED KINGDOM
- 5 **Shore Platform and Cliff Notch Transitions along the La Paz Peninsula, Southern Baja, Mexico** - Alan TRENHAILE, Windsor, CANADA

10:45-12:30

Parallel sessions

S20. Sediment budgets (IAG-WG covering all environments)**Room 2**

- 782 **Contributions of on-land sediment sources and transfer to the overall Loire river basin sediment budget** - Aurore GAY, Orleans, FRANCE
- 1041 **Using suspended sediment records and lake deposits to reconstruct current and past sediment dynamics in a small agricultural catchment** - Anthony FOUCHER, Tours, FRANCE
- 1215 **A spatially-distributed sediment budget for a regulated catchment in coastal California, USA** - Peter DOWNS, Plymouth, UNITED KINGDOM
- 1244 **Quantification of the fluvial sediment budget and associated particle-bound pollutant redistribution in an agriculture-dominated river basin of the European Russia: the problem of upscaling** - Vladimir BELYAEV, Moscow, RUSSIAN FEDERATION
- 917 **Role of landslides in sedimentary fluxes in tropical mountain regions** - Marie GUNS, Louvain, BELGIUM
- 1847 **Sediment budget of two glacial rivers in Iceland** - Esther Hlíðar JENSEN, Reykjavik, ICELAND
- 1860 **Geocological functions of polar river systems** - Zbigniew ZWOLINSKI, Poznan, POLAND

10:45-12:30

Parallel sessions

S26B. Remote sensing (including laser scanning, applications of radar, etc.)**Room 3**

- 896 **Change detection of river channel utilising laser scanning, sonar survey and UAV-photogrammetry based bathymetric model** - Petteri ALHO, Turku, FINLAND
- 1085 **Identification of factors disrupting remote bathymetry: experimental approach from ground imagery on the lower ain river (France)** - Véronique BENACCHIO, Lyon, FRANCE
- 92 **Kite aerial photogrammetry system for monitoring coastal change in the Netherlands** - Michael SMITH, Kingston Upon Thames, UNITED KINGDOM
- 1725 **Integration of LiDAR and optical remote sensing for the study of fluvial and anthropogenic landforms in the Brenta-Bacchiglione alluvial plain (NE Italy)** - Andrea NINNO, Padova, ITALY
- 1763 **The application of radar and optical remote sensing to analyse dune dynamics at the dune-field scale** - Jose Manuel DELGADO BLASCO, Leuven, BELGIUM
- 1790 **Geophysics and Remote Sensing Data for the Detection of Soil Texture Distribution** - Geraldine QUÉNÉHERVE, Tuebingen, GERMANY
- 1688 **Estimation of Surface Runoff for an Urbanized Watershed Using Satellite Data: A Case Study of Ramnadi Basin, Maharashtra, India** - Amit DHORDE, Pune, INDIA

10:45-12:30

Parallel sessions

S10A. FLAG, GLOCOPH and PAGES-LUCIFS**Room 4**

571 **Contrasting influences from land use changes and climatic variations on alluvial and colluvial deposition in Southern France** - Bastiaan NOTEBAERT, Leuven, BELGIUM

37 **Evidence for a continuous fluvial activity of the Tremithos River (South Central Cyprus) during the Early to Mid-Holocene** - Matthieu GHILARDI, Aix-en-provence, FRANCE

1370 **Late to final Holocene fluvial system dynamics in the Yamé valley (Mali): climatic change or human impact?** - Aline GARNIER, Caen, FRANCE

845 **A 7300 year record of palaeohydrology in the Swiss Rhône River floodplain (Valais, Switzerland)** - Laetitia LAIGRE, Lausanne, SWITZERLAND

1775 **Late Quaternary floodplain evolution in the low tableland of Transylvanian Depression, Romania** - Ioana PERȘOIU, Suceava, ROMANIA

108 **Late Quaternary weathering, sediment production, erosion, and alluvial fan deposition in hyperarid Nahal Yael, Israel** - Yehouda ENZEL, Jerusalem, ISRAEL

10:45-12:30

Parallel sessions

S11. Geomorphology and global environmental change**Room AB**

2 **The role of geomorphology in global environmental change** - Olav SLAYMAKER, Vancouver, CANADA

136 **A Protocol to develop an environmental fragility map: a case study from angra dos reis and paraty municipalities, Rio De Janeiro State, Brazil** - Antonio GUERRA, Rio De Janeiro, BRAZIL

1077 **Self-organising change? Considerations on causality** - Kirsten V. ELVERFELDT, Klagenfurt, AUSTRIA

555 **Can treeline dynamics in the afro-alpine north Ethiopian highlands be used as proxy to study climate change?** - Miro JACOB, Ghent, BELGIUM

829 **Increasing frequency of geomorphic disasters: climate change or geomorphic change?** - Viola BRUSCHI, Santander, SPAIN

697 **La méthode du transect fixe pour la détermination du bilan sédimentaire et la caractérisation de sa variation spatio-temporelle : application dans une région aride du Sud tunisien** - dalel OUERCHEFANI, Medenine, TUNISIA

1113 **Response of morphoclimatic system dynamics to global changes and related geomorphological hazards: outline and perspectives of a national Italian research project** - Carlo BARONI, Pisa, ITALY

10:45-12:30

Parallel sessions

S17. Geomorphology and the Critical Zone (including weathering, soils and biogeomorphology)**Room CD**

591 **The layered Critical Zone (CZ)' established geomorphic concepts but a novelty for Critical Zone Observatory (CZO) Science?** - Joerg VOELKEL, Muenchen, GERMANY

837 **$\delta^{18}O$ isotopic signature of glacier meltwaters in the tree rings: basis for long-term high-resolution hydrological reconstructions in glacial environments** - Giovanni LEONELLI, Milano, ITALY

1652 **Effects of bedrock nutrient density on life and topography in granitic landscapes** - William Jesse HAHM, Laramie, UNITED STATES

821 **Variability of SOC stabilization with the mineral phase along a slope transect** - Sebastian DOETTERL, Louvain-la-neuve, BELGIUM

957 **Contribution of tree uprooting to the evolution of hillslopes and soils - on the examples from the Sudetes Mts., SW Poland** - Lukasz PAWLIK, Wroclaw, POLAND

164 **What do organisms do on rocks? A multi-methods approach to evaluating biodeterioration and bioprotection in the critical zone** - Martin COOMBES, Oxford, UNITED KINGDOM

851 **Landscape self-organization of tidal floodplains by bio-geomorphic feedbacks between vegetation growth, flow hydrodynamics and sedimentation-erosion** - *Stijn TEMMERMAN, Antwerp, BELGIUM*

1706 **How biogeomorphic approaches can be used to identify ecosystem processes and services: using rock weathering studies as an example** - *Larissa NAYLOR, Oxford, UNITED KINGDOM*

12:30-13:45

Break & Posters session

13:45-16:15

Parallel sessions

S13. Human impacts on landscapes (IAG-WG)

Amphitheater Gaston Berger

341 **Impact of the quality and spatial resolution of Holocene land cover reconstructions on geomorphic model results** - *Hanne DE BRUE, Leuven, BELGIUM*

1403 **Dynamics of eolian processes in the geosystems of the Western Transbaikalia (South Siberia)** - *Dmitry KOBLYKIN, Irkutsk, RUSSIAN FEDERATION*

1477 **Study on vegetation-cover change and grazing intensity in the Alai Valley, the southern Kyrgyz Republic** - *Jie LIU, Sapporo, JAPAN*

94 **An exploration of the role of human activity in the generation and maintenance of hummocky meadows ('Buckelwiesen' landscapes) in the European Alps** - *Christine EMBLETON-HAMANN, Wien, AUSTRIA*

281 **GeoRISK: Geo-analysis of landscape level degradation and natural risks formation** - *Eva SVOBODOVA, Brno, CZECH REPUBLIC*

1486 **Water and sediment loss from superficial runoff in areas of forest and pasture cover in southwest Amazonia Area-Acre, Brazil** - *Cristina AUGUSTIN, Belo Horizonte, Mg, BRAZIL*

1631 **Monitoring of Erosion and Slope Deformation on Agricultural Land in the Czech Republic** - *Jana SMOLIKOVA, Prague, CZECH REPUBLIC*

1699 **Drivers of drift sand dynamics; a reconstruction for the Wekeromse Zand, the Netherlands** - *Marthijn SONNEVELD, Wageningen, NETHERLANDS*

1812 **Humain impact on the mountains landscape in Macedonia and Serbia** - *Ivica MILEVSKI, Skopje, MACEDONIA*

13:45-16:15

Parallel sessions

S19B. Small catchments (IAG-WG)

Amphitheater Louis Armand Est

885 **Assessment of the relationships among morphometric parameters and hydrologic indices** - *SOTIRIOS KARALIS, Athens, GREECE*

858 **Quantitative Morph metric Analysis of Machna River basin Management, M.P.(India)** - *Swati NAMDEO, Bhopal, INDIA*

1312 **Variability of soil erosion in the last-glacial areas on the example of NE Poland** - *Ewa SMOLSKA, Warsaw, POLAND*

458 **Weather times and flood generation in the Araguas catchment (Central Spanish Pyrenees)** - *ESTELA NADAL ROMERO, Zaragoza, SPAIN*

878 **Typology of torrential systems prone to debris flows occurrence in the Hérens valley (Switzerland)** - *Benoît MAILLARD, Sierre, SWITZERLAND*

610 **Damming in semiarid, relation between landscape connectivity and effective catchment area on sacco creek watershed brazilian semiarid** - *Jonas SOUZA, Recife, BRAZIL*

725 **Debris dams on the far eastern rivers and their impact on the dynamics of riverbed transformations** - *Alexey MAKHINOV, Khabarovsk, RUSSIAN FEDERATION*

923 **Investigating morphodynamics and sediment fluxes in a river reach impacted by a series of dams using landscape evolution modelling with CAESAR-Lisflood** - *Ronald Erwin POEPPL, Vienna, AUSTRIA*

964 **Embedded Dam Technique on River Basins in Rehabilitation Studies: The Case of the Afyonkarahisar Dort River** - *ALI SELCUK BIRICIK, Istanbul, TURKEY*

824 **Coarse sediment study in small mid-mountain catchments: a multidisciplinary attitude** - Filip HARTVICH, Prague, CZECH REPUBLIC

13:45-16:15

Parallel sessions

S18A. CERG Subsession: Methods for landslide hazard and risk assessment

**Amphitheater
Louis Armand Ouest**

1940 **Accelerated landsliding due to climate warming? Modeling results from western Germany** - Joerg GRUNERT, Mainz, GERMANY

966 **Update of rainfall thresholds for landslide activity in the Lisbon area (Portugal)** - Sérgio Cruz OLIVEIRA, Lisboa, PORTUGAL

1094 **Quantitative landslide hazard assessment in the hilly valleys of the Pays d'Auge plateau (Normandy, France)** - Mathieu FRESSARD, Caen, FRANCE

931 **Quantitative Risk Analysis for shallow slides: the case of S. Marta de Penaguião (Douro Valley, Portugal)** - Susana PEREIRA, Lisboa, PORTUGAL

1837 **Probabilistic modelling of uncertainties in vulnerability assessment - application to hydro-meteorological hazards in the municipality of Malborghetto-Valbruna, Italy** - Roxana Liliana CIUREAN, Vienna, AUSTRIA

836 **Landslide risk models on the basis of recent occurrences** - Jaime BONACHEA, Santander, SPAIN

1961 **Landslide risk assessment and management in the archaeological site of Machu Picchu Inca citadel (Peru)** - Daniele SPIZZICHINO, Roma, ITALY

609 **Retrieving high resolution deformation patterns of slow moving landslides by COSMO-SkyMed SAR data: a sustainable long term monitoring system using artificial reflectors** - Marco MULAS, Bolzano, ITALY

1852 **Landslide monitoring: Analysis of displacement data of different landslides in Wanzhou District, Three-Gorges Reservoir, China** - Lei GUI, Wuhan, CHINA

1487 **Continuous monitoring of a slope affected by shallow landslides in North'Eastern Oltrepo Pavese (Northern Apennines, Italy) for landslide susceptibility assessment: preliminary results** - Davide ZIZIOLI, Pavia, ITALY

13:45-16:15

Parallel sessions

S21B. Rocky coasts (IAG-WG)

Room 1

1046 **Rocky coast dynamics - comparison between shore platform and adjacent sandy beach** - Selma GABRIEL, Faro, PORTUGAL

1033 **Using beach and sea cliff dynamics to understand rocky coastline morphology, sea stacks, and headland amplitude** - Patrick LIMBER, Durham, UNITED STATES

1069 **Beach nourishment impact in receding soft rock coastal cliffs using remote sensing techniques (Forte Novo, south Portugal)** - Mara NUNES, Faro, PORTUGAL

277 **Boulder mobility and shore platform erosion in southern Galicia, Northwestern Spain** - Augusto PEREZ-ALBERTI, Santiago De Compostela, SPAIN

1520 **The role of biota in the weathering of microtidal shore platforms: first results from a new approach through case studies along the coast of NW Italy** - Marta PAPPALARDO, Pisa, ITALY

699 **Wave transformations across a macro-tidal shore platform** - Wayne STEPHENSON, Dunedin, NEW ZEALAND

842 **Comparative rates of surface erosion of coastal engineering materials and of chalk and sandstone platforms, East Sussex, southeast England** - David ROBINSON, Brighton, UNITED KINGDOM

329 **Rocky shore platform's evolution in the North-West Coast of Egypt** - Amr SALEEM, Cairo, EGYPT

681 **260 km of snorkel-geomorphological surveying along the Istrian rocky coast (Croatia, Slovenia, Italy): results from the "Geoswim project"** - Stefano FURLANI, Trieste, ITALY

13:45-16:15

Parallel sessions

S20. Sediment budgets (IAG-WG covering all environments)**S15A. Anthropogenic drivers of cultural stone deterioration and conservation****Room 2**

477 **Response of Landslide Sediment Dynamics to Forest Clearing in Coastal British Columbia, Canada** - Francesco BRARDINONI, Milano, ITALY

560 **Controls of snow avalanche distribution and geomorphic avalanche activity at hillslopes in steep mountain valleys in western Norway** - Katja LAUTE, Trondheim, NORWAY

631 **The Temporal and Spatial Quantification of Holocene Sediment Dynamics in a meso-scale catchment in northern Bavaria / Germany** - Markus FUCHS, Giessen, GERMANY

888 **Regionalization of geomorphic processes in the proglacial area of Gepatsch and Weißsee glaciers, Oetztal Alps, Austria** - Ludwig HILGER, Eichstaett, GERMANY

794 **Sediment transfer and geomorphic work on a periglacial mountain slope** - Johann MUELLER, Zurich, SWITZERLAND

1633 **Sediment sources, yield and connectivity in a low relief alpine catchment, Snowy Mountains, New South Wales, Australia** - Nicola STROMSOE, Brisbane, AUSTRALIA

69 **Geologic Analysis of Grenada's Carib Stones and Implications for Future Management** - Casey D. ALLEN, Denver, UNITED STATES

1591 **Assessing mutual influences of environment and petrography to address the conservation of weathered Maltese stone-built heritage based on interdisciplinary materials characterization** - Deodato TAPETE, Florence, ITALY

11 **Experimental study on cement mortar deterioration in sulfate environment** - Chiaki OGUCHI, Saitama, JAPAN

1254 **Chemical analysis of black crust on the Angkor sandstone at the Bayon temple, Cambodia** - Wonsuh SONG, Chiba, JAPAN

13:45-16:15

Parallel sessions

S26F. Applied geomorphological mapping (IAG-WG)**Room 3**

1 **Spectral properties of Southern Baltic bottom roughness** - Kazimierz SZEFLER, Gdansk, POLAND

29 **Geomorphological mapping of an active landslide on the south-east coast of the Isle of Wight, U.K.** - Jim GRIFFITHS, Plymouth, UNITED KINGDOM

151 **Geomorphological mapping of himalayan terrain using multi-sensor data: a case study of himachal pradesh, India** - Padmini PANI, New Delhi, INDIA

787 **The influence of slope morphometry on erosion processes: the application of MSI (Morphometric Slope Index)** - Laura COCO, Chieti, ITALY

1481 **Landslide susceptibility zonation using bivariate statistical analysis and GIS in Constantine city (North East of Algeria)** - Hamid BOURENANE, Alger, ALGERIA

1648 **Subsurface geomorphology of the North Kelantan Plain, as revealed by geoelectrical resistivity surveys** - Nur ISLAMI, Kuala Lumpur, MALAYSIA

1808 **Methodological procedures of digital geomorphological cartography in brazilian Central Plateau** - Eder SOUZA MARTINS, Brasília, BRAZIL

1936 **Open Geomorphological Map. Romanian case study** - Mihai NICULITA, Iasi, ROMANIA

13:45-16:15

Parallel sessions

S10A. FLAG, GLOCOPH and PAGES-LUCIFS**S15D. Teaching and disseminating geomorphology****Room 4**

1731 **Extending flood records in Irish and Welsh river catchments using high-resolution geochemical analysis of floodplain sediment sequences** - Anna F. JONES, Dublin, IRELAND

360 **Obstacle marks as palaeohydrologic indicator** - Juergen HERGET, Bonn, GERMANY

743 **Late Holocene periodicities of Alpine floods inferred from multi-proxy data** - Lothar SCHULTE, Barcelona, SPAIN

827 **Floods, droughts and people: historical palaeohydrology and landscape resilience of a Mediterranean rambla (Castellón, NE Spain)** - Gerardo BENITO, Madrid, SPAIN

791 **Progress on the estimation of past flood discharge from dendromechanical analyses of tilted trees** - Juan Antonio BALLESTEROS CANOVAS, Madrid, SPAIN

91 **Geomorphological Virtual Tours: multimedia e-books for undergraduate education** - Paolo PARON, Delft, NETHERLANDS

1535 **Landscapes, Geology and Sport: the Earth Sciences at the "Giro d'Italia"** - Francesca Romana LUGERI, Roma, ITALY

1942 **Batur Caldera Complex, the first land-form volcanic laboratory in Indonesia** - Indyo PRATOMO, Bandung, INDONESIA

331 **Sharing the past with students: teaching geography and history through digital palaeogeography** - LIA GALANI, Athens, GREECE

814 **Physical Geography Must Reclaim French High-school Geography** - Emilie ECOCHARD, Meudon, FRANCE

13:45-16:15

Parallel sessions

S11. Geomorphology and global environmental change

Room AB

1420 **Humans have impacted atmospheric C-exchange since the introduction of agriculture by changing the geomorphic cascade** - Gert VERSTRAETEN, Leuven, BELGIUM

983 **Pre-Columbian Anthropogeomorphic Impacts in North America** - Allan JAMES, Columbia, UNITED STATES

1931 **Quaternary Marine Terraces on Cyprus: Constraints on Uplift and Pedogenesis, and the Geoarchaeology of Palaipafos** - Zomenia ZOMENI, Lefkosia, CYPRUS

1545 **Sea Level Variability, Shoreline Response and Global Environmental Change: Observations from Eastern England** - Susan BROOKS, London, UNITED KINGDOM

1750 **The implications of last decades sea level variations for coastal erosion: a review** - Goneri LE COZANNET, France, FRANCE

1488 **Rise and Fall of Palaeolake Megachad** - Charles BRISTOW, London, UNITED KINGDOM

289 **Aggradation/erosion stages of tufa dams during Holocene: a palaeoclimatic comparison between northern Ethiopia and central Italy** - Francesco DRAMIS, Rome, ITALY

623 **Infilling constraints of the Estuary of River Alcabrichel since Middle Holocene** - Ana RAMOS-PEREIRA, Lisbon, PORTUGAL

1076 **Sediment fluxes on steep LIA moraine slopes in the Central Austrian Alps** - Michael BECHT, Eichstatt, GERMANY

1305 **Physical Geography, Geomorphology and Global Environmental Change: Perspectives from the Developed and Developing World** - Michael Edward MEADOWS, Cape Town, SOUTH AFRICA

13:45-16:15

Parallel sessions

S27. Young Geomorphologists Session

Room CD

1780 **Morphometry of talus slopes in the high mountains methodological problems** - Monika LELEN, Cracow, POLAND

853 **Thermal regime of ground surface in the French Southern Alps: a case study from the Clarée and Ubaye valleys** - Romain PERRIER, Paris, FRANCE

606 **Recent contributions of dendrogeomorphology for the study of mass movements in an Alpine context** - Jerome LOPEZ SAEZ, Saint Martin D'heres, FRANCE

1529 **New constraints on landscape sensitivity to glacial-interglacial climate change: A detailed and quantitative record from debris flow deposits in Owens Valley, California** - Mitch D'ARCY, London, UNITED KINGDOM

1359 **Study of the spatial interactions in the hydrosedimentary transfers on agricultural watershed** - Romain REULIER, Caen, FRANCE

1379 **Morphometric analysis of two calanchi areas in Sicily (Italy) by exploiting high resolution Digital Elevation Models** - Nathalie Almaru CARABALLO ARIAS, Palermo, ITALY

1302 **Spatial Correlation between Geomorphological and Subsurface Characteristics: A Case Study of Bantul, Yogyakarta, Indonesia** - Dwi Wahyuni NURWIHASTUTI, Yogyakarta, INDONESIA

958 **Geomorphic mapping for environmental management in urban areas (case study of Moscow parks)** - Svetlana SAMSONOVA, Moscow, RUSSIAN FEDERATION

1295 **Exploring geomorphic and vegetational features of low energy rivers using Google™ Earth** - Prima Woro SEKARSARI, London, UNITED KINGDOM

1876 **Typology of eolian landforms of South Kharga oasis (Western Desert of Egypt): original evolution models and local specificities of Saharan loess deposits** - Maël CREPY, Lyon, FRANCE

16:15-16:45

Coffee Break & Posters Session

16:45-17:45

Keynote lecture

Amphitheater Gaston Berger

Overflow rooms: Louis Armand Est & Ouest

Geomorphology and palaeoenvironmental changes in arid Asia

Xiaoping YANG, Beijing, CHINA

17:45-18:45

IAG General Assembly

Amphitheater Gaston Berger

Overflow rooms: Louis Armand Est & Ouest

18:45-19:15

Closing Session

Amphitheater Gaston Berger

Overflow rooms: Louis Armand Est & Ouest

POSTER SESSIONS

	SESSION 1	
Posting	Tuesday August 27 from 08:00 to 12:30	
Display	August 27 – August 28 Levels S1 & S3	
Presentation times slots	August 27:	12:30 - 13:45 16:30 - 17:00
	August 28:	10:15 - 10:45 12:30 - 13:45 15:45 - 16:15
Removal	Wednesday August 28 from 16:15 to 18:00	
Sessions	<p>S01. History and epistemology of geomorphology</p> <p>S02. Geomorphology and earth system science</p> <p>S04. Megageomorphology</p> <p>S05. Tectonic geomorphology (including neotectonics and paleoseismology)</p> <p>S08. Geomorphic processes and long term landscape evolution</p> <p>S12. Geoarchaeology (IAG-WG)</p> <p>S14. Geomorphic hazards, risk management and climate change impact (IAG-WG)</p> <p>S15B. Geomorphosites (IAG-WG) including geoparks and WHS</p> <p>S15C. Managing landscape dynamics in protected areas</p> <p>S16. Forum francophone : la géomorphologie au service du développement durable</p> <p>S18. Hillslope processes and mass movements</p> <p>S19D. Fluvial geomorphology and river management (Other subsessions)</p> <p>S21A. Reef forms (IAG-WG)</p> <p>S21C. Coastal geomorphology and management (Other subsessions)</p> <p>S22. Submarine geomorphology</p> <p>S24. Tropical geomorphology</p> <p>S24A. Tropical Rivers: Hydro-Physical Processes, Impacts, Hazards and Management (IGCP 582 and IAG-WG)</p> <p>S25A. Glacial and paraglacial geomorphology</p> <p>S25B. Permafrost and periglacial geomorphology (in coop. with IPA)</p> <p>S26C. DEMs, GIS and spatial analysis</p> <p>S26E. Dating methods (including cosmogenic nuclides)</p>	

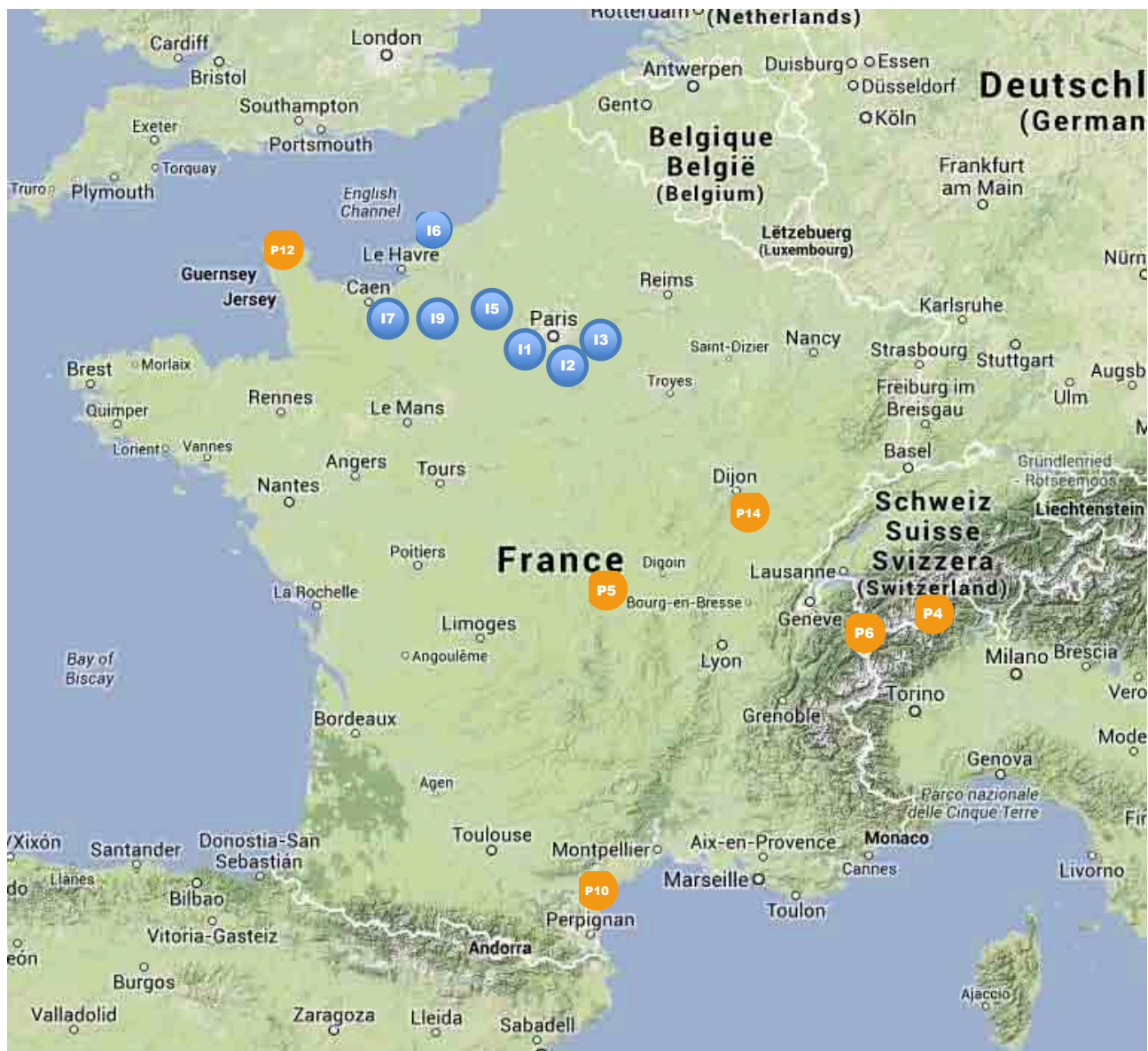


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	SESSION 2	
Posting	Friday August 30 from 07:30 to 10:30	
Display	August 30 – August 31 Levels S1 & S3	
Presentation times slots	August 30:	10:30 - 11:00 12:45 - 14:00 16:00 - 16:30
	August 31:	10:15 - 10:45 12:30 - 13:45 16:15 - 16:45
Removal	Saturday August 31 from 16:45 to 18:00	
Sessions	<p>S03. Planetary geomorphology (IAG-WG)</p> <p>S06. Volcanic geomorphology: towards a quantitative assessment of volcanic landforms, processes and hazards</p> <p>S07. Magnitude and frequency in geomorphology including:</p> <p>S7A. Extreme events in geomorphology (IAG-WG)</p> <p>S09. Rock control on geomorphic processes and landforms including:</p> <p>S9A. Sandstone geomorphology (Danxia IAG WG), extended to quartzites</p> <p>S9B. Karstic geomorphology: from hydrological functioning to palaeoenvironmental reconstructions</p> <p>S10. Quaternary geomorphology, including</p> <p>S10A. FLAG, GLOCOPH and PAGES-LUCIFS</p> <p>S11. Geomorphology and global environmental change</p> <p>S13. Human impacts on landscapes (IAG-WG)</p> <p>S15A. Anthropogenic drivers of cultural stone deterioration and conservation</p> <p>S15D. Teaching and disseminating geomorphology</p> <p>S17. Geomorphology and the Critical Zone (including weathering, soils and biogeomorphology)</p> <p>S18A. CERG Subsession : Methods for landslide hazard and risk assessment</p> <p>S19A. Large rivers (IAG-WG)</p> <p>S19B. Small catchments (IAG-WG)</p> <p>S19C. Sediment fluxes and morphodynamics of stream channels</p> <p>S20. Sediment budgets (IAG-WG covering all environments)</p> <p>S21B. Rocky coasts (IAG-WG)</p> <p>S23. Aeolian systems and arid geomorphology (including subarid margins)</p> <p>S25C. Mountain geomorphology</p> <p>S26A. Modelling in geomorphology</p> <p>S26B. Remote sensing (including laser scanning, applications of radar, etc.)</p> <p>S26D. Statistics in geomorphology</p> <p>S26F. Applied geomorphological mapping (IAG-WG)</p> <p>S27. Young Geomorphologists Session</p>	

SCIENTIFIC EXCURSIONS

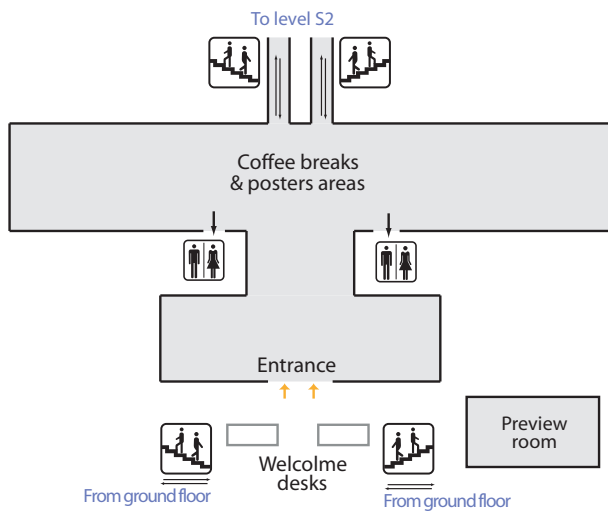
<i>Excursion</i>		<i>Dates</i>
Mid-Conference Excursions		
I1	Underground Paris	Aug 29
I2	Gardens of Paris	Aug 29
I3	The 1910 Flood in Paris	Aug 29
I5	Valley of the Seine between Mantes and Vernon	Aug 29
I6	Coastal erosion and soil erosion in Haute-Normandy	Aug 29
I7	Landslides in coastal slopes of Pays d'Auge (processes, heritages and associated risks)	Aug 29
I9	Sec-Iton field trip: Walking in the bed of a karst controlled river, west of Paris	Aug 29
Post-Conference Excursions		
P4	Swiss Alps (Zermatt Valley and Cervin)	Sep 1-4
P5	Volcanoes, basins and cultural heritage of the Auvergne region	Sep 1-5
P6A	Western North-Alps (France)	Sep 2-5
P6B	Western North-Alps (France, Italy)	Sep 2-6
P10	Geomorphology of pyrenean orogen	Sep 2-7
P12	Normandy coast, soil erosion and landscape evolution	Sep 1-4
P14	Intensive course for young geomorphologists	Sep 1-3



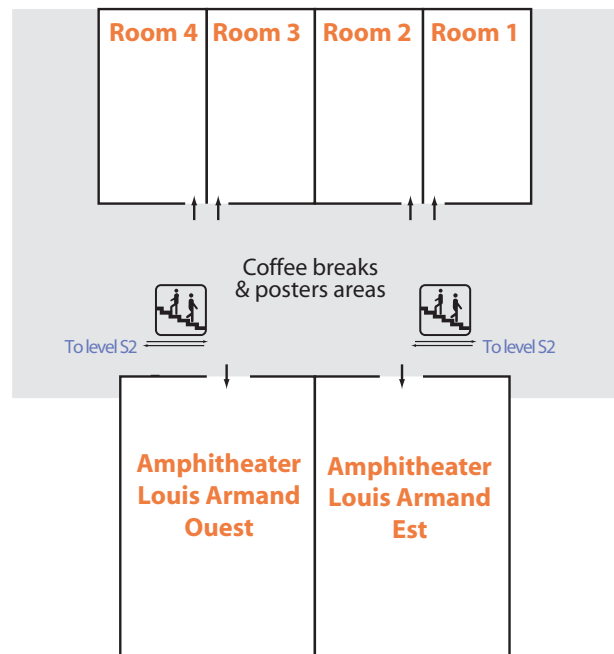
PRACTICAL INFORMATION

CONFERENCE VENUE FLOOR PLANS

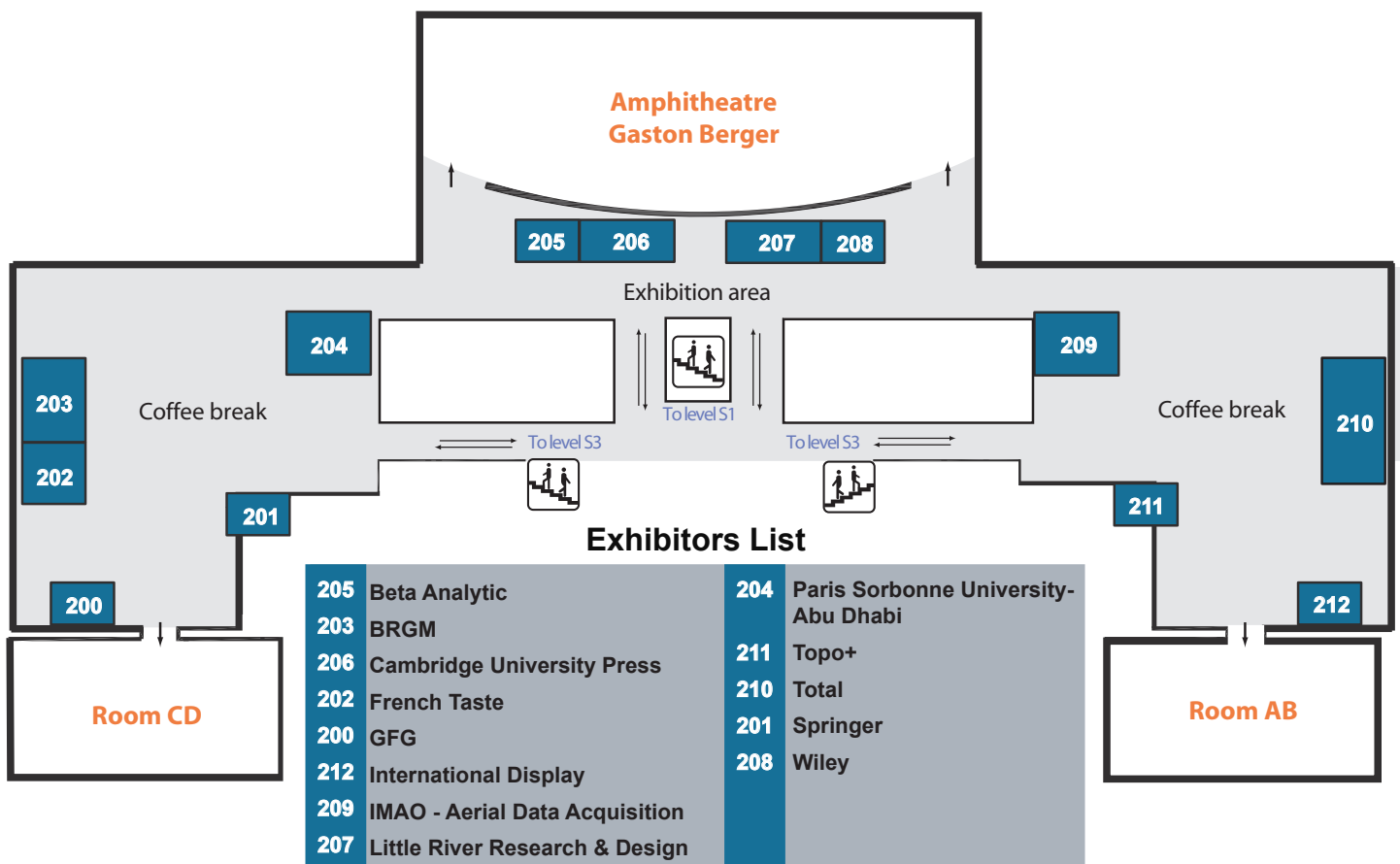
LEVEL S1



LEVEL S3

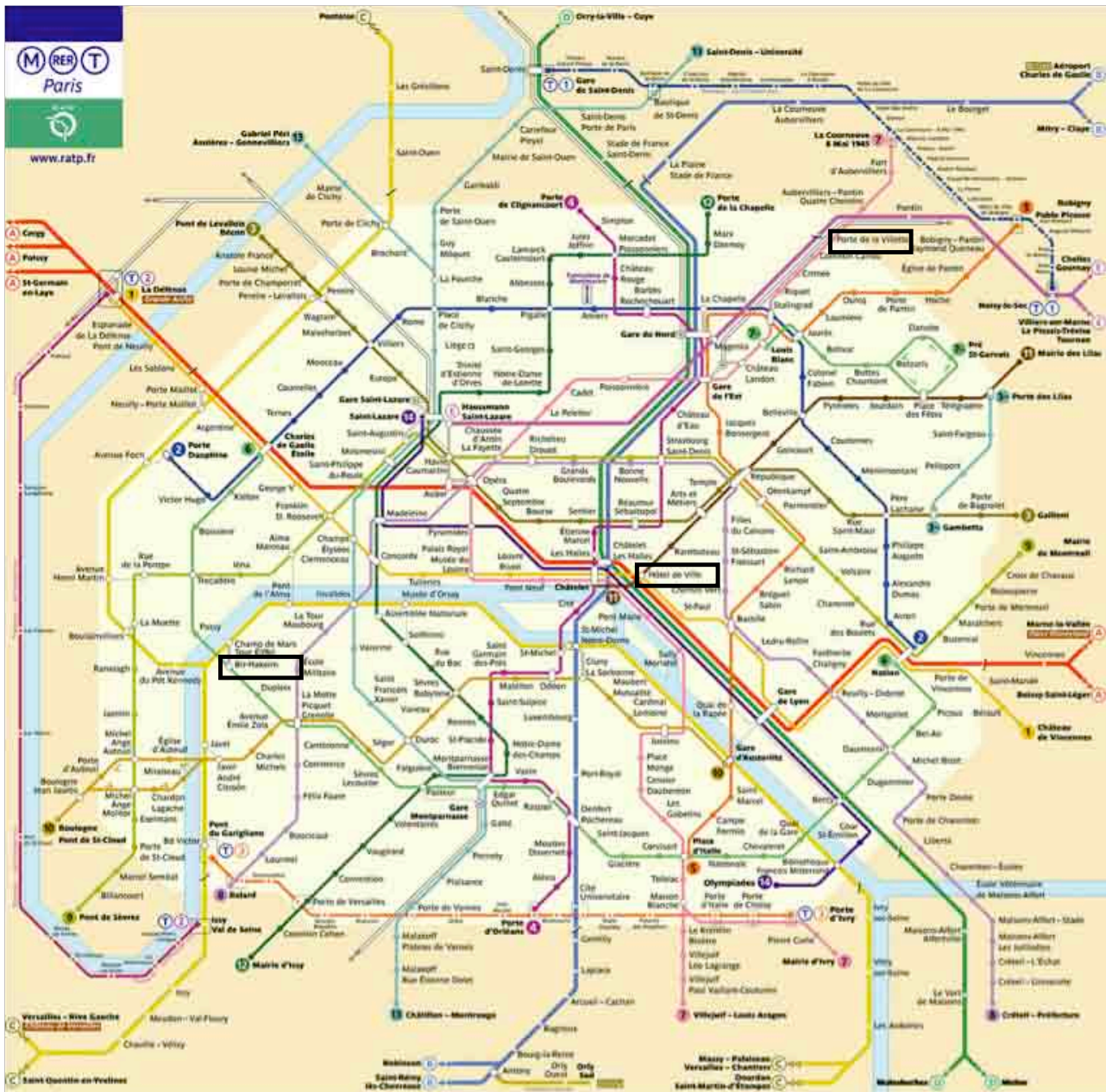


LEVEL S2



PRACTICAL INFORMATION

CONFERENCE VENUE ACCESS



Metro map

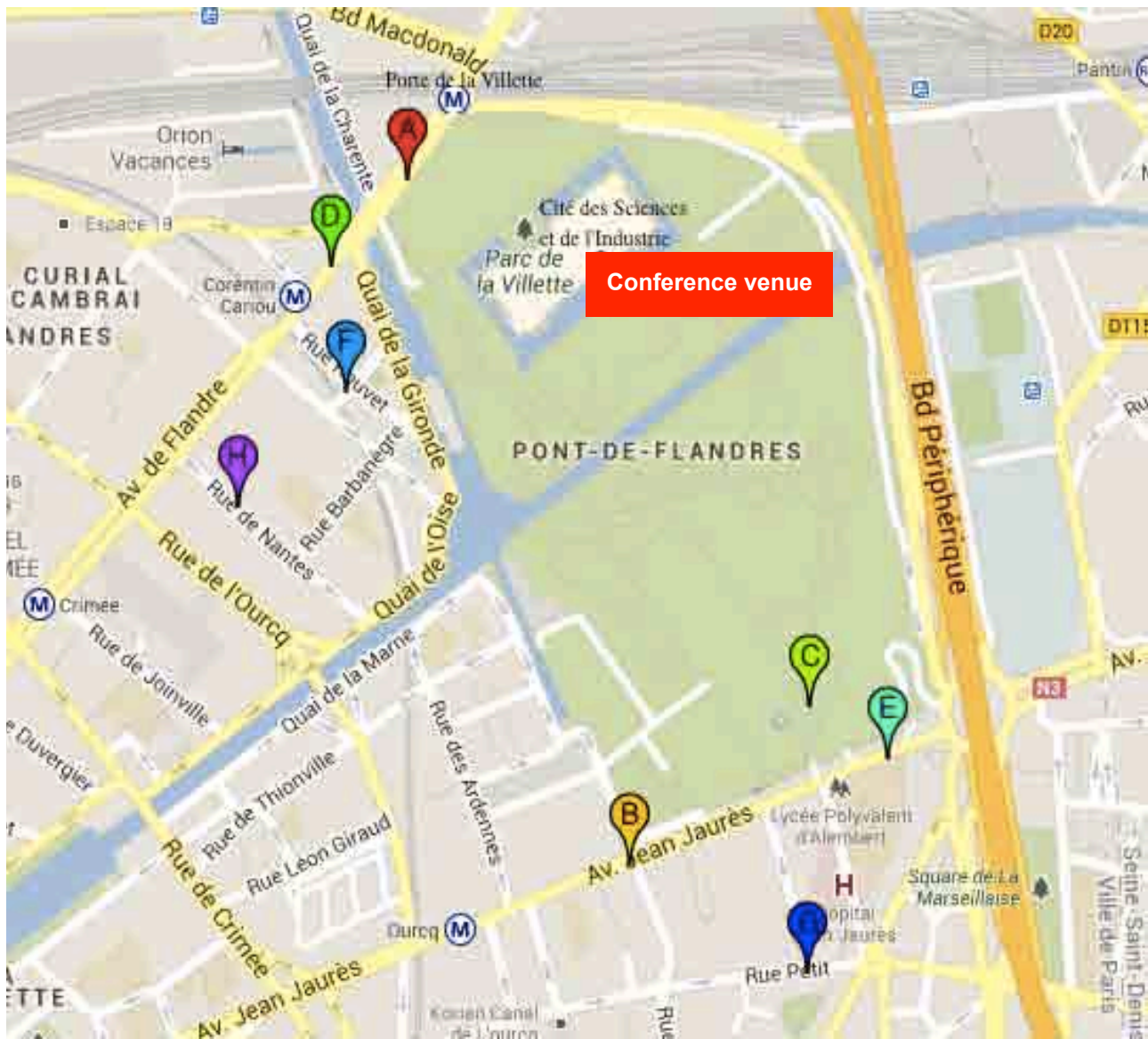
Conference Access map

PRACTICAL INFORMATION**RESTAURANTS INSIDE AND NEARBY THE CONFERENCE VENUE**

RESTAURANT	PRICE RANGE	TYPE	ADDRESS	LETTER
Hippopotamus	10 - 20 €	French	28 Avenue Corentin Cariou	A
A La Poule Au Pot	20 - 40 €	French	174 Avenue Jean Jaurès	B
Au Boeuf Couronné	20 - 40 €	French	188 Avenue Jean Jaurès	B
Buffalo Grill	10 - 20 €	Steack house	29 avenue Corentin Cariou	A
Dock's	10 - 20 €	Italo-American	21 Avenue Corentin Cariou	A
Domino's Pizza	10 - 20 €	Pizzeria	170 avenue Jean Jaurès	B
In Wok	10 - 20 €	Asian	192 Avenue Jean Jaurès	B
La Casa	10 - 20 €	Italian	180 Avenue Jean Jaurès	B
Moussa l'Africain	20 - 40 €	African	25-27 Avenue Corentin Cariou	A
Pizza Hut	10 - 20 €	Italo-American	191 Avenue Jean Jaurès	B
Quick	10 - 20 €	Fast food	26 Avenue Corentin Cariou	A
Tm Café	10 - 20 €	French	17, avenue Corentin Cariou	D
Verona	10 - 20 €	Italian	25 Avenue Corentin Cariou	A
Café de la Musique	30 - 40€	French	Place Fontaine aux Lions 75019	C
A la Chope de Corentin	15 - 30€	Bistrot	13 avenue Corentin Cariou	D
La Violette	30 - 50€	French	11 avenue Corentin Cariou	D
My Boat	30 - 50€	French	211 avenue Jean Jaures	E
La Pena Festayre	20 - 30€	Spanish	32 Avenue Corentin Cariou	A
Le Bistrot de la Halle	15 - 30€	French	Face to 180 avenue Jean Jaurès	B

FOOD STORE	PRICE RANGE	TYPE	ADDRESS	LETTER
Arc En Ciel	from 5€	Boulangerie	5 Rue Dampierre	F
Floux Dominique	from 5€	Boulangerie	159 avenue jean jaures	B
Maquin Colombe	from 5€	Boulangerie	148 Avenue Jean Jaures	B
Robert Isabelle	from 5€	Boulangerie	154 Avenue Flandre	F
Cacher Price	from 5€	Cacher Supermarket	1 Rue Dampierre	F
David Alimentaire	from 5€	Supermarket	2 Avenue Corentin Cariou	A
Franprix	from 5€	Supermarket	98-118 Rue Petit	G
Hrirden Lahoussaine	from 5€	Supermarché	30 Rue Nantes	H

INSIDE THE CITÉ DES SCIENCES & DE L'INDUSTRIE			
RESTAURANT	PRICE RANGE	TYPE	LEVEL
Le Hublot	10 - 20€	Bistrot	-2
Café de la Cité	10 - 15€	Snack bar	0
Café gourmand	10 - 15€	Sandwich	-2
Bar des Lumières	10 - 15€	Snack bar	1
Café des Sciences	10 - 15€	Snack bar	-2



PRACTICAL INFORMATION

SOCIAL EVENTS

Welcome Cocktail



Tuesday August 27
From 19:00 to 21:00

City hall of Paris
Entrance: 3, rue de Lobau, 75004 Paris

Metro: line 1 "Hôtel de Ville"

Directions from the Conference venue:
-**line 7** direction Villejuif Marie d'Ivry until **Châtelet**
-**line 1** direction Château de Vincennes until **Hôtel de Ville** (or 8 min walk down *Rue de Rivoli*)



Wine & Cheese



Wednesday August 28
From 19:30 to 20:30

Conference venue

Gala Evening



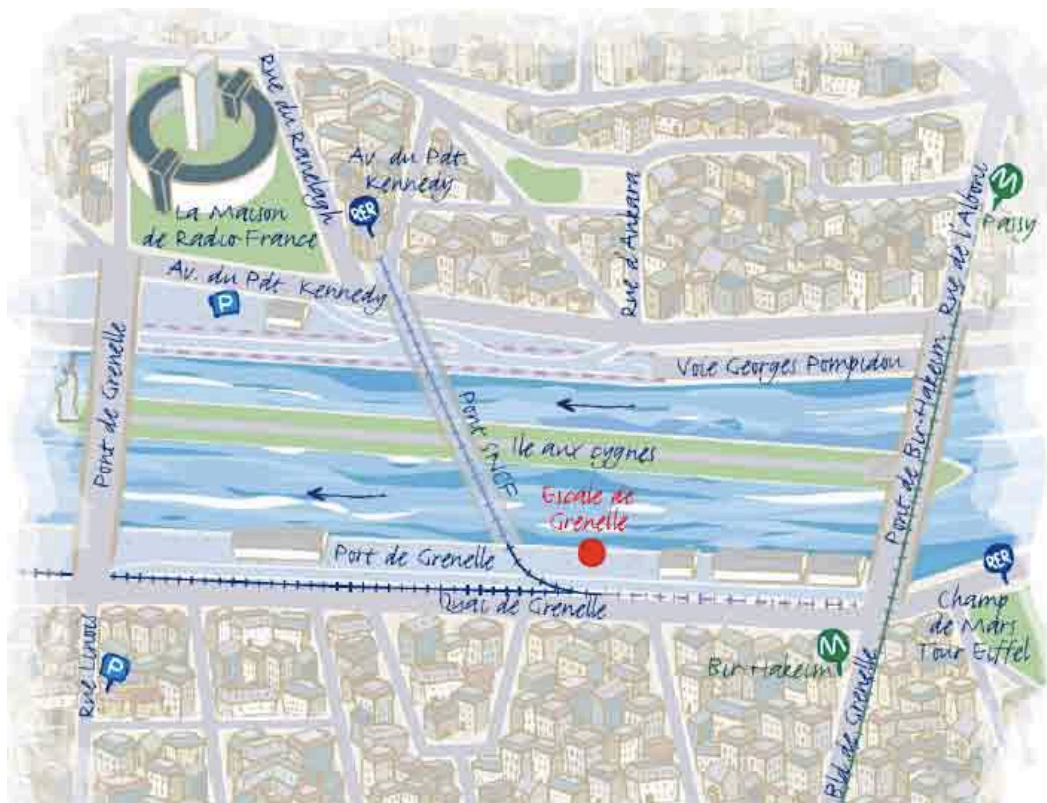
Friday August 30
From 19:30 to 23:30

Péniche "Le Boréas"
Escale de Grenelle, Paris 15

Metro:
line 6 "Bir Hakeim"

Directions from the Conference venue

- line 7 direction Villejuif Marie d'Ivry until **Opéra**
- line 8 direction Balard until **La Motte Piquet Grenelle**
- line 6 direction Charles De Gaulle Etoile until **Bir-Hakeim**



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