



**International Symposium on the Geology  
and Geophysics of the Southern  
Hemisphere**

**Mar del Plata 21-26 November 2010**

**Programme**

**Oral and Poster Sessions**

**International Symposium on the Geology and Geophysics of the  
Southern Hemisphere,  
Mar del Plata 21-26 November 2010**

22-23 November 2010. GeoSur 2010\_Symposium will be held at the SHERATON HOTEL in Mar del Plata (L. N. Alem 4221, ph. +54 223 414 0124, Fax +54 223 414 0015, <http://www.sheraton.com/mardelplata>).

<b>Sunday, November 21</b>
8.00 hs. Registration and distribution of Field Trip guide. Meeting point at the Sheraton Hotel. Ground floor
9.00 Hs- Pre-congres Field Trip to Cliffs between Mar del Plata and Miramar. Duration: 9.00 – 17.00 Hs aprox. Lunch: provided.
17.30-19.00 hs. Registration. Sheraton Hotel. 12 <sup>th</sup> Floor. Cruz del Sur.
20.00-22.00 hs Ice Breaker Meeting (for all registrants). "Federación de Sociedades italianas de Mar del Plata ", La Rioja 2043, Mar del Plata city.

**ORAL SESSIONS**

**SHERATON HOTEL**  
12<sup>th</sup> Floor. Cruz del Sur

<b>Monday, November 22-2010</b>	
7.30-8.30 Hs. Registration	
AUDITORIUM 1 (left)	AUDITORIUM 2 (right)
8:30 hs. Inauguration and Welcome Ceremony	
9.15 hs. <b>Invited Conference:</b> <i>“The Age of Dinosaurs in South America”</i> <b>Prof. Fernando Novas.</b> CONICET. Museo Bernardino Rivadavia. Buenos Aires.	
10.00 hs. <b>Coffe Break</b>	
<b>Session 4. Tectonic Processes and Seismology</b> <i>Chairmen: M. Menichetti; P. Betka</i>	<b>Session 5- Stratigraphy and Sedimentology</b> <b>Session 6- Surface Processes and Paleoclimate</b> <i>Chairmen: F. Isla; M. De Batist</i>
10.30- <b>F. Hervé</b> North south variations in provenance in the late Paleozoic accretionary complex of central Chile (34° – 40° S.Lat.) as indicated by SHRIMP detrital zircon U-Th-Pb ages.	10.30- <b>E. Figari</b> Stratigraphic and structural review of Cañadón Asfalto Basin, Chubut Province, Argentina
10.50- <b>M. P. Iglesia Llanos</b> The role of true polar wander in the Jurassic	10.50- <b>R. A. Violante</b> Geological history reconstruction of Llancañel lake and surroundings (southern Mendoza, western Argentina).
11.10- <b>O. H. Lücke</b> 3D Density model of the Central American subduction zone from satellite gravity data interpretation.	11.10- <b>R. Dietrich</b> Rapid crustal uplift in Patagonia as a consequence of increased ice loss
11.30- <b>M.E. Ramos</b> The late Oligocene - Miocene Ñirihuau Formation interpreted as a foreland basin in the Northern Patagonian Andes	11.30- <b>S. Dustay</b> Implementation of aquifer protection zoning

11.50- <b>L. Sagripanti</b> Synorogenic sequences associated with the Andean thrust front at 37°S as a clue for the exhumation and structural evolution of the foreland.	11.50- <b>J. Nel</b> Characterization of Complexity of Fractured Rock Aquifers.
<b>12.15 LUNCH</b>	
<b>AUDITORIUM 1 (left)</b>	<b>AUDITORIUM 2 (right)</b>
13.45 hs.	13.45- <b>Invited Conference: “Reconstruction of Late-Glacial to Holocene climate and earthquake histories across southern Chile based on the sedimentary record of 21 lakes”</b> <i>Prof. Marc De Batist.</i> Renard Centre of Marine Geology (RCMG), Universiteit Gent, Gent, Belgium.
<b>Session 4. Tectonic processes and Seismology</b>  <i>Chairmen: M. Menichetti; J. Mc Atamney</i>	<b>Session 7- Marine geology and geophysics</b>  <i>Chairmen: E. Lodolo; J. Hernández Molina</i>
14.30- <b>L. A. Lawver</b> The Weddell Sea Revisited	14.30 <b>F. Isla</b> Pliocene submerged craters at the upper continental slope of Mar del Plata, Argentina.
14.50- <b>A.V. Prokopiev</b> Correlations of tectono-magmatic events in the South Verkhoyansk orogenic belt (Eastern Siberia, Northeast Asia).	14.50- <b>L. San Martín</b> Coastal Erosion in Mar de Cobo, Provincia de Buenos Aires
15.10- <b>R. Tomezzoli</b> Further evidence of lower Permian remagnetization in the North Patagonian Massif, Argentina	15.10- <b>R. A. Violante</b> Conditioning factors and resulting morphosedimentary features in the upper-middle continental slope offshore eastern Buenos Aires province, Argentina
15.30- <b>P. J. Torres Carbonell</b> Tectonic control on the evolution of Maastrichtian-Paleogene synorogenic sequences of the Fuegian thrust fold belt, Argentina.	15.30- <b>F. D. Esteban</b> Morphostructure of the western sector of the North Scotia Ridge.
<b>15.50. Coffee Break</b>	
<b>Session 4. Tectonic processes and Seismology</b>  <i>Chairmen: M. Menichetti; J. Carcione</i>	<b>Session 7- Marine geology and geophysics</b>  <i>Chairmen: R. Violante; G. Leychenkov</i>
16.20 – <b>M. Menichetti</b> Structural geology of the east of the Tierra del Fuego Island	16.20- <b>F.J. Hernández-Molina</b> Giant mounded drifts in the Argentine Continental Margin
16.40- <b>M. Russi</b> Italy-Argentina cooperation in the field of seismology: The ASAIN. Historical review and recent progress.	16.40- <b>A. Maldonado</b> Cenozoic growth patterns and paleoceanography of the ocean basins near the Scotia-Antarctic plate boundary
<b>17:00 – 19:00 POSTER SESSIONS 1 to 8 Beer provided</b>	

<b>Tuesday, November 23-2010</b>	
<b>AUDITORIUM 1 (Left)</b>	<b>AUDITORIUM 2 (right)</b>
8.30 hs. <b>Invited Conference: “Crustal structure and tectonics of the East Antarctic passive margin”</b> <i>Prof. German Leychenkov.</i> Institute for Geology and Mineral Resources of the World Ocean. St.-Petersburg, Russia.	
<b>Session 1- Rodinia in South America</b> <i>Chairmen: A. Collins; C. Rapela</i>	<b>Session 2- Volcanism and petrology</b> <i>Chairmen: F. Hervé; C. Martinez Dopico</i>
09.20- <b>I. W. D. Dalziel</b> Rodinia: Is a Rapprochement of Current ‘Southern Ocean’ and ‘North Atlantic’ Models Achievable?.	09.20-
09.40- <b>V.A. Vernikovsky</b> The Meso-Neoproterozoic subduction-accretion events and magmatic evolution along the western margin of the Siberian Craton: to the problem of Rodinia break-up.	09.40- <b>M. G. López de Luchi</b> Lithology and age of the Cushamen Formation. Devonian magmatism in the western north patagonian massif.
10.00- <b>A. N. Didenko</b> Geochemistry, geochronology and paleomagnetism of Paleoproterozoic granites of the Ulkan massif, SE Siberian craton.	10.00- <b>H.J. Massonne</b> Metamorphic evolution of the Cinco Cerros area, Buenos Aires Province, Argentina
10.20- <b>J. Jacobs</b> Coupled delamination and indenter-escape tectonics in the southern part of the c. 650-500 Ma East African/Antarctic Orogen.	10.20- <b>S. Mahlburg Kay</b> Constraints on OIB-type PREMA and EM1 Mantle Sources from Trace Element and Pb, Sr, and Nd isotopic Ratios of Primitive Eocene to Recent Backarc Patagonian Basalts
10.40 hs. <b>Coffee Break</b>	
<b>Session 1- Rodinia in South America</b> <i>Chairmen: J. Jacobs ; A. Rapalini</i>	<b>Session 3- Geophysical prospecting and Geodesy</b> <i>Chairmen: J. F. Vilas; G. Paparo</i>
11.00- <b>P. W. Dickerson</b> Volcanism in the Western Ouachita-Cuyania Basin and Separation of Laurentia and Gondwana	11.00- <b>A. Richter</b> Earth tide observations in Tierra del Fuego (Argentina).
11.20- <b>C. van Staal</b> Evidence for Middle-Late Ordovician subduction and a lower plate setting of the Cuyania terrane during its accretion to the proto-Andean margin of Gondwana	11.20- <b>D. Bagú</b> Analysis of a precise regional geoid model in Buenos Aires province computed by Least Squares Collocation.
11.40- <b>G. I. Vujovich,</b> The suture zone between Cuyania and Chilena terranes: A subducción channel and A-type orogen?.	11.40- <b>J. C. Gianibelli</b> Monitoring and forecasting state of the South Atlantic magnetism anomaly.
12.00- <b>F. L. Boedo</b> Western Precordillera Ophiolite Belt: correlations between Cordón del Peñasco and Cortaderas localities (Mendoza province, Argentina)	12.00- <b>M. E. Gomez</b> Advances in the determination of a height reference surface for Tierra del Fuego
12.20- <b>M. Escayola</b> The age and significance of the Puncoviscana Formation with respect to Neoproterozoic to Cambrian tectonic evolution of the Proto-Andean margin of Gondwana.	12.20- <b>C. B. Prezzi</b> Bajada del Diablo impact crater-strewn field (Argentina): ground magnetic and electromagnetic
12.40- <b>R. I. Trindade</b> Paraguay belt folding and oroclinal bending during the final assembly of Western Gondwana	12.40- <b>N. Orihuela Guevara</b> Maps of absolute gravity, gravity anomaly and total magnetic field anomaly of Venezuela from satellite data.
13.00 <b>LUNCH</b>	
<b>Session 1- Rodinia in South America</b>	<b>Session 3- Geophysical prospecting and</b>

<i>Chairmen: I. Dalziel; V. Ramos</i>	<b>Geodesy</b> <i>Chairmen: J. L. Hormaechea; E. Marson</i>
14.30- <b>A.S. Collins</b> The Rodinian Relics of Australia-Mawson, Azania, Neoproterozoic India and a greater Kalahari – divining their extent and interpreting their evolution.	14.30- <b>H.J. Goetze</b> IGMAS+ a new 3D modelling tool for GravMag fields and Gradiometry
14.50- <b>M. Ibanez-Mejia</b> The Putumayo Orogen of Northwest South America: Implications for Rodinian connections between Amazonia, Baltica and the middle-American Oaxaquian terranes.	14.50- <b>J. C. Gianibelli</b> Importance and future of the magnetic observatories network in the South America environment
15.10- <b>C.W. Rapela</b> The African provenance of southern South America terranes: a record from Rodinia break-up to Gondwana assembly.	15.10- <b>C.B. Prezzi</b> Geophysical characterization of infill zones along the coast of Buenos Aires.
15.30- <b>A. E. Rapalini</b> Was the Rio de la Plata craton never part of Rodinia? Some paleomagnetic hints	15.30-.
<b>15.50 Coffee Break</b>	
<b>Session 1- Rodinia in South America</b> <i>Chairmen: P. Dickerson; G. Vujovich</i>	<b>Session 8- Oil and mineral resources and Session 3- Geophysical prospecting and Geodesy</b> <i>Chairmen: A. Richter; C. Prezzi</i>
16.10- <b>P. Sansjofre</b> Further evidence for multiple reversals in the Neoproterozoic Araras cap carbonate (Brazil).	16.10- <b>L. López</b> Induced polarization– Resistivity exploration. A case of study in the polymetallic Purísima-Rumicruz District, Jujuy, Argentina
16.30- <b>M.G. López de Luchi</b> Sm-Nd isotopic constraints on the Neoproterozoic –Early Paleozoic evolution of the Eastern Sierras Pampeanas.	16.30- <b>S. Picotti</b> Seismic evidence of a gas hydrate system in the western Ross Sea (Antarctica) by tomography, AVO analysis and prestack depth migration
16.50- <b>J. E Otamendi,</b> U- Pb Zircon Geochronology of the Sierra Valle Fértil, Famatinian Arc, Argentina: petrological and geological implications	16.50 <b>M. Grossi</b> The Lake of Tierra del Fuego and southern Patagonia. Archives paleo-climate reconstructions. FILM
17.10- <b>V.A. Ramos,</b> Grenville-age sources in Cuesta de Rahue, northern Patagonia: Constrains from U/Pb SHRIMP ages from detrital zircons	
<b>17.30 – 19.00 POSTER SESSIONS 1 to 8</b> <b>Posters awards and Closing Ceremony</b> <b>18.15: Meeting of Post-Congress field trip participants</b>	

**DINNER.** will be organized on Tuesday 23<sup>rd</sup> of November 2010 at 21:00 hs.

**VENUE: PEHUÉN PARRILLA.** Bernardo de Irigoyen 3666 (close to the Sheraton hotel). Telephone number: (0223) 486-3960.

**MENU:** Typical argentine food (roasted meat), Salads, French fries, dessert (salad fruit/ ice cream/ pudding), wine, soft drinks, water.

Tickets (\$120 / 30 U\$S / 25 Euros) for the dinner will be on sale at the Registration desk until Monday afternoon.

#### **POST CONGRESS FIELD TRIP**

24th up to the 26<sup>th</sup> of November 2010

Three-day trip departing and returning to Mar del Plata city

24<sup>th</sup> November, at 7.30 hs. Meeting point at the Sheraton Hotel Bar. Ground floor.

Stratigraphy, Tectonic and paleoenvironments records of the Tandilia and Ventana System.

The first day we will visit typical localities for Neoproterozoic to Eopaleozoic sedimentary cover of the Paleoproterozoic basement. The second and third day we will be devoted to visit some of the most outstanding geological areas of Sierra de la Ventana. We´ll visit from the Proterozoic basement through the whole Paleozoic succession, with emphasis in structural, stratigraphic and paleoenvironmental aspects.

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Mar del Plata 22-23 November 2010**

**SHERATON HOTEL**

(L. N. Alem 4221, ph. +54 223 414 0124, Fax +54 223 414 0015)

**12<sup>th</sup> Floor. Cruz del Sur**

**POSTER SESSIONS**

Posters will be exhibited during both days. Each poster is indicated by the number of the session followed by the sequential number within the session. e.g. S1 -17 E. Peel, M.A.S. Basel and L. Sánchez Bettucci.

<b>Session 1- Rodinia in South America</b>	
<b>Identification Number</b>	<b>Authors Title</b>
<b>S1-03</b>	<b><i>C.J. Chernicoff, E.O. Zappettini and J.O.S. Santos</i></b> Pampia: a fragment of the autochthonous Mesoproterozoic orogen of western Río de la Plata craton. Its detachment during Rodinia's break-up, and re-accretion during Gondwana's amalgamation.
<b>S1-04</b>	<b><i>C. Cingolani, J.O.S. Santos and W. Griffin</i></b> Paleoproterozoic basement of Tandilia belt, Río de la Plata craton, Argentina: First Hf isotope studies on zircon crystals.
<b>S1-13</b>	<b><i>A.L. Lossada, A.E. Rapalini, L. Sanchez Bettucci</i></b> Paleomagnetic Pole for the Neoproterozoic dikes of the Nico Pérez terrane (Uruguay) and the Apparent Polar Wander Path (APWP) for the Río de la Plata craton.
<b>S1-14</b>	<b><i>C.I. Martínez Dopico, M.G. López de Luchi, K. Wemmer, A.E. Rapalini, E. Linares</i></b> Ordovician Magmatism in the Northeastern North Patagonian Massif: Further evidence for the continuity of the Famatinian orogen.
<b>S1-17</b>	<b><i>E. Peel, M.A.S. Basei and L. Sánchez Bettucci</i></b> Cerro La Tuna mafic to ultramafic (ocean floor remanent) Complex.
<b>S1-21</b>	<b><i>L. Sánchez Bettucci, E. Peel and M.A.S. Basei</i></b> The Piedra Alta Terrane: a Paleoproterozoic juvenile magmatic arc, Rio de La Plata Craton, Uruguay.
<b>S1-25</b>	<b><i>S.O. Verdecchia and E.G. Baldo</i></b> Low-pressure anatexis in Famatinian foreland of Argentina, south-western margin of Gondwana: source heat problem.
<b>S1-28</b>	<b><i>R. D. Martino, A. B. Guereschi, G. I. Vujovich, J. A. Sfragulla, J. E. Otamendi, A. M. Tibaldi and E. Cristofolini</i></b> The anorthositic tectonites of the Sierra de Maz (Western Sierras Pampeanas, Argentina): petrography, kinematics and its implication in the amalgamation of Cuyania and Western Gondwana.
<b>S1-29</b>	<b><i>R. D. Martino, A. B. Guereschi, and P. A. Anzil</i></b> Metamorphic and tectonic evolution at 31° 36' S across a deep crustal zone from the Sierra Chica of Córdoba, Sierras Pampeanas, Argentina.

<b>Session 2- Volcanism and Petrology</b>	
<b>Identification Number</b>	<b>Authors Title</b>
<b>S2-01</b>	<b><i>A. Bermudez, D. Delpino, J.C. Varekamp and T. Kading</i></b> Exotic exhalations from active S-Andes volcanoes: Domuyo, Tromen and Copahue volcanoes, Argentina.
<b>S2-02</b>	<b><i>J. Castro, A. Sánchez, F. Hervé, M. de Saint Blaquat and M. Polvé</i></b> Cerro Negro del Ghío: magmatism in-between Southern Patagonian Batholith and Lago Buenos Aires Plateau lavas.

<b>S2-03</b>	<b><i>M.E. Cerredo, M.B. Remesal, A.A. Tassone, J.I. Peroni, M. Menichetti and H. Lippai</i></b> Magmatic activity and strike slip tectonics in the Southernmost Andes: Kranck pluton, characterization and preliminary AMS survey.
<b>S2-04</b>	<b><i>J.A. Dristas, J.C. Martínez, H.J. Massonne and K. Wemmer</i></b> Characterization of an ultrabasic lamprophyre (evolved damtjernite) in the Tandilia basement, southernmost Río de la Plata Craton, Argentina.
<b>S2-06</b>	<b><i>S.L. Lagorio and H. Vizán</i></b> Serra Geral volcanism in the province of Misiones: Geochemical aspects and interpretation of its genesis in the context of the Large Igneous Province Paraná-Etendeka-Angola. Its relation with the alkaline volcanism of Córdoba Provinc.
<b>S2-09</b>	<b><i>G.H. Re and J.F. Vilas</i></b> Paleomagnetic studies of Cenozoic basalts from northern Neuquén and southern Mendoza provinces: stratigraphic implications.
<b>S2-10</b>	<b><i>F. Ridolfi, A. Renzulli, M.E. Cerredo, R. Oberti, M. Boiocchi, F. Bellatreccia and G. Della Ventura, M. Menichetti and A. Tassone</i></b> Amphibole megacrysts of the Cerro Jeu-Jepén Pluton: some constraints in the framework of the Fuegian Potassic Magmatism (Argentina).
<b>S2-11</b>	<b><i>C. Risso, K. Nemeth, F. Nullo and M. Inbar M.</i></b> Circular features” on old solidified lava flow fields associated with some young scoria cones from Llancanelo and Payún Matru Volcanic Fields, Mendoza Province, Argentina.
<b>S2-12</b>	<b><i>F.M. Salani, M. Remesal and M.E. Cerredo</i></b> The Neogene Barril Niyeu volcanic complex. Somún Cura magmatic province: Northern extra Andean Patagonia. Argentina.
<b>S2-13</b>	<b><i>S.E. Singer</i></b> The magnetic susceptibility of ignimbrites from the Altiplano- Puna Volcanic Complex, Central Andes: a useful tool to distinguish lithomagnetic domains across the arc.
<b>S2-14</b>	<b><i>A.P. Smelov, A.I. Zaitsev, I.V. Ashchepkov</i></b> First kimberlite pipe in Central Yakutia (Russia): mineral composition, thickness of lithospheric mantle and age.
<b>S2-15</b>	<b><i>A.M. Umazano</i></b> Deposition and reworking of primary pyroclastic detritus in Puesto La Paloma Member, Cretaceous Cerro Barcino Formation, Somuncurá-Cañadón Asfalto Basin, Patagonia, Argentina.
<b>S2-16</b>	<b><i>H. Vizán and S.L. Lagorio</i></b> Geodynamic model of the processes that generated the Cretaceous volcanism of Córdoba and the Large Igneous Province of Paraná, including the origin of Tristan “plume”.
<b>S2-17</b>	<b><i>C.B. Zaffarana and R. Somoza</i></b> Mafic microgranular enclave swarms in granitic plutons of Gastre, Central Patagonia.

<b>Session 3- Geophysical prospecting and Geodesy</b>	
<b>Identification Number</b>	<b>Authors Title</b>
<b>S3-02</b>	<b><i>M. García, E. Luna, O. Alvarez, S. Spagnotto, S. Nacif, P. Martínez and M. Gimenez</i></b> Geophysical Survey in the Northern Region of Cuyo Basin.
<b>S3-07</b>	<b><i>R. Novo, N. Seluchi, I. Suarez, L. Sánchez Bettucci and J. Gianibelli</i></b> First Magnetometric survey in the Zapicán and Nico Pérez Area.
<b>S3-09</b>	<b><i>Peroni J.I., Tassone A., H. Lippai, F. Hervé, M. Menichetti and E. Lodolo</i></b> Geophysical prospection of the plutons of Navarino Island, Beagle Channel, Chile.

<b>Session 4- Tectonic processes and Seismology</b>	
<b>Identification Number</b>	<b>Authors Title</b>
<b>S4-01</b>	<b><i>P. Betka, K. Klepeis and S. Mosher</i></b> New structural maps and cross-sections of the Patagonian fold-thrust belt near Seno Otway, Seno Martínez and Peninsula Brunswick, southern Chile.
<b>S4-02</b>	<b><i>G. Carugati, I.L. Novara1, M.E. Gimenez, A. Introcaso</i></b> Tectonic evolution of the Bermejo Basin from broken plate fluxural model (preliminary

	Study).
<b>S4-03</b>	<i>N.J. Cosentino, A.A. Tassone, H.F. Lippai and J.F.A. Vilas</i> Tectonic implications of a paleomagnetic study of mesozoic magmatic arc rocks in Cierva Point, northwest Antarctic Peninsula.
<b>S4-04</b>	<i>D. Delpino and A. Bermudez</i> Palaeotectonic setting of Precuyano Group. Upper Triassic- Lower Jurassic.
<b>S4-05</b>	<i>S. Geuna, F. D'Eramo, L. Pinotti, A. Di Marco, D. Mutti and L. Escosteguy</i> Preliminary results of a paleomagnetic study on the Ordovician Calmayo granitoid, Sierras de Córdoba, Argentina.
<b>S4-13</b>	<i>J. Mc Atamney, K. Klepeis, C. Mehrtens and S. Thomso</i> Orogenesis reflected in the transition from extensional rift basin to compressional foreland basin in the southernmost Andes (54.5°S): new provenance data from Bahía Brookes and Seno Otway.
<b>S4-14</b>	<i>L. Mendoza, J. Vasquez, D. Del Cogliano</i> Crustal deformations associated to the M 8.8 Maule earthquake in central Chile, 27 February 2010, detected by permanent GPS stations in Argentina.
<b>S4-16</b>	<i>D.J. Pérez and J.M. Sanchez Magariños</i> The Pre-Farellones Deformation (Pehuenche Fase), Cordillera Principal and Frontal (31°45'LS), San Juan Province, Argentina.
<b>S4-19</b>	<i>A. Rapalini</i> A case of paleohorizontal restoration of plutonic bodies using paleomagnetic data: The Sierra de Valle Fértil magmatic complex, western Argentina.
<b>S4-20</b>	<i>N.C. Sabbione, C. Buffoni, N. Barbosa, G. Badi, G. Connon, J.L. Hormaechea</i> Seismicity and earthquake hazard in Tierra del Fuego province. Argentina.

#### Session 5- Stratigraphy and sedimentology

Identification Number	Authors Title
<b>S5-01</b>	<i>M. Caffau, C. Comici, M. Zecchin, M. Presti, E. Lodolo, A. Tassone, H. Lippai and M. Menichetti</i> Preservation of Total Organic Carbon and evaluation of Corg/Ntot atomic ratio in a sediment outcrop located S-E of the Lago Fagnano (Tierra del Fuego, Argentina)
<b>S5-03</b>	<i>I. J.C. Gavriloff and M.N. Arce</i> The controversy about Miocene marine sedimentation along the foreland of Andes, South America: the case of Santa Maria Group, Argentina
<b>S5-04</b>	<i>M. Menichetti, A. Tassone, H. Lippai and E. Lodolo</i> Geology of the Lago Fagnano area (Fuegian Andes, Tierra del Fuego Island).
<b>S5-06</b>	<i>B.F. Romero, P. Bastos, K. Strakos. and M. Baquero</i> Sedimentation Environments and Facies Developed during the Miocene to Early Pliocene in the Eastern Basin of Falcon, Western Venezuela.
<b>S5-07</b>	<i>A.M. Umazano, G. Visconti and M. Pérez</i> An example of complex fluvio-aeolian sedimentation: the upper member of the Miocene-Pliocene Río Negro Formation, northern Patagonia, Argentina.
<b>S5-08</b>	<i>J.C. Bidegain and M. Gomez Samus</i> Nuevos Registros de Polaridad Brunhes/Matuyama en los Acantilados de Camet, Provincia de Buenos Aires.
<b>S5-09</b>	<i>J.C. Bidegain and Y. Rico</i> The late Cenozoic Sedimentary Sequences in the Chapadmalal Area (Buenos Aires). Polarity Changes and Magnetoclimatology.

#### Session 6- Surface processes and sedimentology

Identification Number	Authors Title
<b>S6-05</b>	<i>M. Mena and J.L. Dupuy</i> Rock magnetism study on sediments from streams of the Paraná Delta, Argentina.
<b>S6-07</b>	<i>M.J. Orgeira, A. Coronato, C.A. Vásquez, A. Ponce, A. Moretto, R Egli and M.R. Onorato</i>

	Environmental Magnetism Study of a Holocene Eolian Sediments and Paleosols Sequence in the North of Tierra del Fuego (Argentina).
<b>S6-08</b>	<i>O.A. Pedersen</i> GIS as base of management and control of the water resources of San Luis' province. San Luis Agua Sociedad del Estado.
<b>S6-09</b>	<i>M. Van Daele, M. De Batist, W. Versteeg, K. De Rycker, V. Cnudde, R. Gieles, P. Duyck, M. Pino and R. Urrutia</i> Sedimentary imprint of the 2007 Aysén earthquake and tsunami in Aysén fjord (Chilean Patagonia).
<b>S6-11</b>	<i>A.M. Walther, M.I.B. Raposo and J.F. Vilas</i> Characterization by rock-magnetism of a late Quaternary soil horizon from San Sebastián Bay, Isla Grande of Tierra del Fuego.

### Session 7- Marine geology and geophysics

Identification Number	Authors Title
<b>S7-01</b>	<i>D.A. Abraham, M. Ghidella, M. Paterlini and B. Schreckenberger</i> Characterization of the magnetic response in the northern Argentine continental margin in the South Atlantic Ocean.
<b>S7-06</b>	<i>G. Marinaro, G. Falcone, F. Frugoni, P. Favali.</i> The 2005-2006 experiment in Antarctica with MABEL seafloor multidisciplinary observatory

### Session 8- Oil and mineral

Identification Number	Authors Title
<b>S8-01</b>	<i>A. Darbo, L. Baradello, E. Lodolo, M. Grossi, A. Tassone, H. Lippai</i> Occurrence of shallow gas in the easternmost Lago Fagnano (Tierra del Fuego)
<b>S8-02</b>	<i>A.I. Gómez and N. Rubinstein</i> Geology of the San Pedro mining district, San Rafael Massif, Argentina
<b>S8-04</b>	<i>M. Mena and A.M. Walther</i> Rock-Magnetism properties from drill cutting and their relation with hydrocarbon presence and petrophysical parameters
<b>S8-05</b>	<i>D.J. Pérez and P. D'Odorico</i> Use of aster imagery to identify mineralization in main Andes, Cordillera Frontal (31°45'ls), San Juan Province, Argentina