

PROGRAM - APRIL 16	
AUDITORIUM ROJO	
Meso- and Neoproterozoic crustal evolution. Conveners: Mónica Heilbron; Miguel A. S. Basei.	
8.30 - 9.00	Two billion years of recurrent deformation recorded on the northern tectonic front of the Dom Feliciano Belt. Dr. Mathias Hueck
9.00 - 9.20	From Arc to Collision orogenic transition recorded by ortho and paragneisses from Vila Nova do Sul, Southernmost Brazil (de Toni et al)
9.20 - 9.40	Geophysical and Geochronological constraints on the Architecture and Evolution of Dom Feliciano Belt, South Brazil and Uruguay (Teixeira et al)
9.40 - 10.00	Dolerites of the Piedras de Afilar Formation (Uruguay): U-Pb age inheritance and insights for the Tandilia Terrane (Gaucher et al)
10.00 - 10.20	Assessing how deformation affects trace elements and U-Pb systematics in titanite and epidote (Agostinelli et al.)
10.20 - 10.40	Geology of the Ogden Rocks Formation: Tonian Successions at the Kaoko-Damara Orogenic Junction, Northwest Namibia (Rienti et al.)
10.40 - 11.00	Magma diversification during subduction to collision transition in a cordilleran magmatic arc (Neoproterozoic Araçuaí-Ribeira orogenic system, SE Brazil) (Mauri et al.)
11.00 - 11.20	Isotopic Constraints on Tonian Rifting and Mantle sources in the Macaúbas Basin, San Francisco - Congo Paleococontinents (Souza et al.)
11.20 - 11.40	Tectonometamorphic Evolution of the Dom Silverio Complex, Southern Araçuaí orogen: Insights from lithochemical, isotopic and petrochronological data (Serrano et al.)
12.30 - 14.00 LUNCH TIME	
14.00 - 14.20	Detrital zircon ages of the metasedimentary rocks of the Araguaia Belt, Brazil (Moura et al.)
14.20 - 14.40	A growth of the Neoproterozoic composite granitic batholiths and tectonic evolution of the southern Borborema, Brazil: insights from Nd isotopes and U-Pb dating (Ferreira et al.)
14.40 - 15.00	Isotopic data on sedimentary provenance of Statherian sequences from San Ignacio Schist Group, Precambrian Shield of Bolivia, SW of Amazonian Craton (Matos et al.)
15.00 - 15.20	Apatite U-Pb Geochronology as a powerful tool for tracing thermal overprints: evidence in the NW Amazonian Craton (Bonilla Perez et al.)
15.20 - 15.40	Mesoproterozoic magmatism of Pre-Brasiliano units in the Dom Feliciano Belt (Uruguay): geochemical, U-Pb and Sm-Nd constraints (de Armas Arrieri et al.)
15.40 - 16.00	On the origin of Arroio Mudador Formation pillow lavas, RS, south Brazil (De Toni et al)
16.00 - 16.20	Hf isotopes of zircons from the outer arc system of the Neoproterozoic Araçuaí-Ribeira Orogenic System, Brazil: Sources and Tectonic Model (Miguel Tupinambá et al.)
16.30 - 18.00 COFFEE BREAK AND POSTER SESSION	
AUDITORIUM DORADO	
New frontiers in isotopic studies: Medical geology, Forensics, energy transition and analytical developments. Conveners. Anelize Bahniuk, Katja Deckart; Erich Moreira Lima	
Low temperature Geochronology. Conveners: Mauricio Parra; Mathias Hueck	
8.30 - 9.00	Latest test innovations in ICP-MS and MC-ICP-MS technology for accurate and precise elemental and isotope analysis in geological applications and beyond (Claudia Bouman)
9.00 - 9.20	Determination of Mg isotope ratios by MC-ICP-MS: single-step purification protocol and analytical validation at CPGeo-USP (Carolina Bedoya-Rueda et al.)
9.20 - 9.40	High-Precision Fe Stable Isotope Analysis at the University of Chile: Analytical Implementation and Interlaboratory Validation (María Varas-Reus et al.)
9.40 - 10.00	Analysis of dissolved nitrate stable isotopes using the one-step Ti(III) reduction method and Elemental enviroVISION System (Sam Barker)
10.00 - 10.20	Developments of a proficiency testing scheme for carbon and hydrogen isotopes ($\delta^{13}\text{C}$ AND $\delta^2\text{H}$) in natural gas matrices (Filipe de Medeiros et al.)
10.20 - 10.40	Selenium isotopes in carbonates as a potential paleoredox proxy (Benjamin Eickmann et al.)
10.40 - 11.00	Analysis of carbon, nitrogen, and sulfur isotopes by 3×EA/IRMS: a strategy to save energy and helium while reducing analytical time and costs (Jorge Spangenberg)
11.00 - 11.20	Position-specific isotope analysis as a tool to unravel the biological origin of fatty acids (Christian Hallmann)
11.20 - 11.40	Using plutonium isotopes (^{239}Pu , ^{240}Pu) to better constrain the history of nuclear atmospheric fallout: Additional time markers for South America (Marcos Tassano)
12.30 - 14.00 LUNCH TIME	
14.00 - 14.30	Out-of-equilibrium behavior of in-situ (U-Th)/He geochronology due to intra-crystalline redistribution of radiogenic He – modelling and experimental evidence (Mathias Hueck et al.)
14.30 - 14.50	Thermal peaks in intracratonic basins: applications of zircon (U-Th)/He thermochronology in the Parnaíba Basin, northeastern Brazil (Samuel Lima et al.)
14.50 - 15.10	U-Pb Dating of syngenetic dolostone: constraints of fluid-mafic rocks interactions and primary dolomite formation in the Brazilian pre-salt (João Pedro Santos de Brito et al.)
15.10 - 15.30	Neogene sedimentary provenance and tectonic evolution of the southern margin of the Caribbean plate: Detrital apatite fission track, U-Pb, and trace element analysis (Juan Atencio Gomez et al.)
15.30 - 15.50	Cenozoic Andean exhumation recorded in the Acre Basin, western Amazon: detrital apatite thermochronology and geochemistry (Julieth de los Reyes et al.)
15.50 - 16.10	Constraining the mineralization process of the world-class amethyst-agate geodes from Los Catalanes, Northern Uruguay: K-Ar and U-Pb geochronology. (Fiorella Ardouin et al.)
16.10 - 16.30	Timing and evolution of a shear zone: from granitoid emplacement to pseudotachylite formation (Leonardo Lopes et al.)
16.30 - 18.00 COFFEE BREAK AND POSTER SESSIONS	
18.00 -	Closing and farewell ceremony