

CONVENERS:

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S03.14 - From old cauldrons to young quaternary calderas: context, processes, and economic potentials for geothermal energy and ore resources

Time	ID	Title	Author Name	Affiliations	Presenter Name
8.30 - 8.45	89	Evidence For A Miocene Caldera-Forming Eruption at Pucará (Azuay, southern Ecuador)	Mulas Maurizio (1) Aviles Moran Harry Steven (1) Flor Jimenez Milton Alejandro (1) Sanclemente Ordoñez Eddy Ruben (1) Jean-Luc Le Pennec (2) Eduardo Diaz (1)	(1) Escuela Superior Politécnica del Litoral, ESPOL, Facultad de Ingeniería en Ciencias de la Tierra, Campus Gustavo Galindo Km 30.5 Vía Perimetral, P.O. Box 09-01-5863, Guayaquil, Ecuador (2) Laboratoire Magmas et Volcans, Université Clermont Auvergne, CNRS, IRD, OPGC, F-63000 Clermont-Ferrand, France	Maurizio Mulas
8.45 - 9.00	246	Defining the initial development strategy for the Borinquen geothermal field (Cañas Dulces caldera, Costa Rica)	Joan Martí (1) Fernando Molina (2)	(1) Group fo Volcanology, Institute of Earth Sciences Jaume Almera, CSIC, Barcelona, Spain (2) Área de Geociencias, Centro de Servicios Recursos Geotérmicos, Instituto Costarricense de Electricidad, 50601 Guanacaste, Costa Rica	Joan Martí
9.00 - 9.15	131	Reactivation of the Los Humeros volcanic complex (Mexico), implications for the geothermal field and hazards	Gerardo Carrasco-Núñez 1 Guido Giordano 2 Pablo Dávila 3 Gianluca Norini 4 Steven Barrios 1 Jaime Cavazos 1 Javier Hernández 1	1 Centro de Geociencias, Universidad Nacional Autónoma de México, Campus Juriquilla, Queretaro, Mexico 2 University of Roma Tre, Roma, Italy 3 División de Geociencias Aplicadas, IPICYT, San Luis Potosí, Mexico Consiglio Nazionale delle Ricerche, Milano, Italy	Gerardo Carrasco
9.15 - 9.30	820	Structure of the Los Humeros geothermal field, Mexico, using seismic noise tomography	Ivan Granados (1) Marco Calò (1) Angel Figueroa Soto (2) Luis Oregel (2) Tania Andrea Toledo Zambrano (3) Joana Martins (4) Philippe Jousset (3) Mathieu Pertou (1)	(1) UNAM. Universidad Nacional Autónoma de México (2) UMSNH. Universidad Michoacana de San Nicolás de Hidalgo (3) GFZ-Potsdam (4) TNO One	Ivan Granados
9.30 - 9.45	719	Petrogenesis of the magmatic heat source of the Los Humeros caldera geothermal field	Federico Lucci (1) Gerardo Carrasco-Nunez (2) Guido Giordano (1) Federico Rossetti (1)	(1) Università Roma Tre, Italy (2) UNAM	Guido Giordano
9.45 - 10.00	809	Induced and triggered events in geothermal fields following large earthquakes. The example of the Los Humeros Caldera, Mexico	Joel Angulo (1) Marco Calò (1) Angel Figueroa Soto (2) Philippe Jousset (3)	(1) UNAM Universidad Nacional Autónoma de México (2) UMSNH Universidad Michoacana de San Nicolás de Hidalgo (3) GFZ Potsdam, Germany	Joel Angulo Carrillo
10.00 - 10.15	654	Link between gulf-inherited regional structures and hydrothermal circulation inside La Reforma Pleistocene caldera complex, Baja California Sur, Mexico	Claudia Pelliccioli (1, 2) Gianluca Gropelli (2) José Luis Macias (3) Roberto Sulpizio (2, 4)	(1) Dipartimento di Scienze della Terra "Ardito Desio", Università degli Studi di Milano, Milano, Italy (2) Istituto per la Dinamica dei Processi Ambientali - Sezione di Milano, Consiglio Nazionale delle Ricerche, Milano, Italy (3) Instituto de Geofísica, Universidad Nacional Autónoma de México, Morelia, Michoacán, México (4) Dipartimento di Scienze della Terra e Geoambientali, Università degli Studi di Bari Aldo Moro, Bari, Italy	Claudia Pelliccioli
10.15 - 10.30	520	The Tulancingo multi-collapse graben caldera and the intra-caldera Aocolulco lava dome complex, central-eastern México: A potential site for geothermal energy	Gerardo J. Aguirre-Díaz (1) Aida López-Hernández (2) Eduardo González-Partida (1) Erik Díaz-Carreño (1) Mariana Coutiño-Taboada (1) Katia Jasso-Torres (1) Gerardo Garay-Delgado (1) Miguel A. Ramírez-Montes (3)	(1) Centro de Geociencias UNAM (2) Universidad Michoacana de San Nicolás de Hidalgo (3) Gerencia de Proyectos Geotermoeléctricos. CFE	Gerardo J. Aguirre-Díaz

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06 - 73.	88	The Jubones Fm: an Oligocene VEI 7 caldera-forming eruption	Mulas Maurizio (1) Armijos Vargas William Gabriel (1) Sánchez Pontón Angel Andrés (1) Jean-Luc Le Pennec (2) Erwin Wifredo Larreta Torres (1)	(1) Escuela Superior Politécnica del Litoral, ESPOL, Facultad de Ingeniería en Ciencias de la Tierra, Campus Gustavo Galindo Km 30.5 Vía Perimetral, P.O. Box 09-01-5863, Guayaquil, Ecuador (2) Laboratoire Magmas et Volcans, Université Clermont Auvergne, CNRS, IRD, OPGC, F-63000 Clermont-Ferrand, France	Mulas Maurizio
06 - 74.	805	Assessment of geothermal potential in the Aeolian Islands, Italy using continuous seismic noise records.	Erik López (1) Marco Calò(1) Anna Tramelli(2) Massimo Orazi(2)	(1) UNAM, Universidad Nacional Autónoma de México (2) Instituto Nazionale di Geofisica e Vulcanologia	Erik López
06 - 75.	824	The Santa Cruz Central Caldera Field: concealed Jurassic calderas of the Chon Aike volcanism in southern Patagonia, Argentina	Flavia M. Salani (1,2) Carlos J. Chernicoff (2,3)	(1) FCEN-Universidad de Buenos Aires (2) Consejo Nacional de Investigaciones Científicas y Técnicas (3) SEGEMAR	Flavia María Salani
06 - 76.	570	New passive seismology network deployed in Los Humeros (Mexico): first results	Philippe Jousset (1), Tania Toledo (1), Angel Figueroa Soto (2), Marco Calo (3), Malte Metz (1), Gylfi Hersir (4), Joana Esteves Martin (5), Anne Obermann (6), Emmanuel Gaucher (7), Erik Saenger (8), Katrin Kieling (1), David Bruhn (1)	(1) GFZ Potsdam, Potsdam, Germany (pjousset@gfz-potsdam.de), (2) Universidad Michoacana de San Nicolás de Hidalgo (UMSNH), (3) UNAM. Universidad Nacional Autónoma de México, (4) ISOR, Reykjavik, Iceland (5) TNO Utrecht, The Netherland (6) ETH Zürich, Switzerland (7) KIT Karlsruhe, Germany (8) Hochschule Bochum, Germany.	Philippe Jousset