

## List of contributions to the GEMex Final Conference in alphabetical order

1. Angelone M., Spaziani F., Verrubbi V. (2020). Geochemical assessment of the Acoculco geothermal area's waters and their potential impact on population
2. Angelone M., Spaziani F., Verrubbi V. (2020) Geochemical characteristic of the Acoculco geothermal soils
3. Bastesen, E., Wheeler, W., Brogi, A., Liotta, D., Torabi, A., Lepillier, B., Olvera Garcia, E., García Hernández, O., Garduño, V. H., Geological structures and analogue permeability studies in the Los Humeros and Acoculco geothermal systems
4. Békési, E., Fokker, P., Martins, J., van Wees, J.-D. (2020). Active deformation of the Los Humeros caldera floor inferred from Envisat and Sentinel-1 InSAR
5. Benediktsdóttir, Á., Arango-Galván, C., Hersir, G.P., Held, S., Romo Jones, J.M., Salas, J.L., Avilés, T., Ruíz-Aguilar, D., Vilhjálmsón, A.M., 2020. The Los Humeros Superhot Geothermal Resource in Mexico: Results from an Extensive Resistivity Survey
6. Bongiovanni G., Angelone M., Verrubbi V., Some aspects of seismic risks in Acoculco
7. Bonini M., Maestrelli D., Corti G., Montanari D., Moratti G., 2020. Collapsed calderas and resurgence vs inherited fabrics: insights from analogue modelling on the evolution of Los Humeros and Acoculco volcanic complexes
8. Bontè, D., Limberger, J., Trumpy, E., Gola, G., and van Wees, J.D., 2020. Thermal signature and regional resource assessment in Los Humeros and Acoculco areas
9. Brogi, A., Liotta, D., Wheeler, W., Bastesen, E., Trumpy, E., Gómez Álvarez, F., Jiménez Haro, A., Bianco, C., Garduño†, V.H., Lepillier, B., The structure of the Acoculco geothermal area (Mexico) and implications for enhanced geothermal system (EGS) development
10. Cabassi, J., Nisi, B., Vaselli, O., Lelli, M., Norelli, N., Tassi, F., Sánchez-Ávila, J., Kretzschmar, T. G., Sandoval Rangel, B., Alfaro Cuevas Villanueva, R., González Manzano, E., Ramos, Y. R., Novelties from fluid geochemistry of the Acoculco Enhanced Geothermal System
11. Calcagno, P., Trumpy, E., Gutiérrez-Negrín, L.C., Liotta, D., Carrasco-Núñez, G., Norini, G., Brogi, A., Garduño-Monroy†, V.H., Benediktsdóttir, A., Gaucher, E., Toledo Zambrano, T.A., Hersir, G.P., Manzella, A., Santilano, A., Gola, G., Macías, J.L., Vaessen, L., Evanno, G., Arango Galván, C., "3D Geomodels of Los Humeros and Acoculco geothermal systems (Mexico) - H2020 GEMex Project: Methodology, products and feedback"
12. Candela, T., E. Peters and J.D. van Wees. (2020), An integrated modelling approach for predictions of induced seismicity at the EGS Acoculco geothermal site
13. Carrasco-Núñez, G., Arzate, J., Arteaga, D., Barrios, S., Bernal, J.P., Cavazos, J.1, Cid, H., Corbo, F., Creòn, L., Dávila, P., Fernández, F., Giordano, G., Hernández, J., Jicha, B., López, P., Lucci, F., Norini, G., Peña, D., Rossetti, F., Urbani, S., Vega, S. 2020.

Understanding the complex volcanological evolution of Los Humeros Caldera Complex, as a key to improving our understanding of Superhot Geothermal Systems

14. Contini, M., Annunziata, E., Rizzi, F., Frey, M., Karytsas, S., Sciallo, A., Manzella, A., Montalvo, C. (2020), "Developing public engagement: a conceptual model"
15. Cornejo N., Schill E., Piccardi L., Brogi A., Liotta D., Perez M., Carrillo J., Garduño V.H., 2020. Gravity and morpho-structural analysis in the Los Humeros geothermal field: insights for super-hot geothermal fluids location
16. Deb, P., Düber, S., Clauser, C., Hydraulic fracturing experiments in laboratory scale to generate benchmark datasets for verification of stimulation design tools
17. Farina B., Poletto F., Carcione J.M., and Mendrinós D., 2020. Seismic modelling including temperature in SHGS and EGS geothermal systems
18. Finger, C., Saenger, E.H. (2020), Sensitivity maps for Los Humeros: Enhance localization results using time-reverse imaging to locate and characterize seismic events
19. Finger, C., Saenger, E.H. (2020), Locating and characterising seismic events in Los Humeros using time-reverse imaging
20. Giordano, G., Carrasco, G., Lucci, F., Rossetti, F., Urbani, S., Implications of an updated volcanological conceptual model at Los Humeros for geothermal exploration and modelling.
21. Gola, G. and WP3-5 working groups. Extraction of regional and local geophysical features by cluster analysis and classification learning methods in Los Humeros and Acoculco volcano-geothermal fields (Mexico)
22. González García, H., Huenges, E., Francke, H., Parisio, F., Estimation of depression well cones in Los Humeros
23. Granados, I., Calò, M., Figueroa Soto, A., Cruz, S., de la Rosa, B., Angulo, J., Pertón, M., Toledo, T., Jousset, P., On the structure of the Los Humeros caldera using seismic multi-method modelling
24. Hersir, G.P., Arango-Galván, C., Benediktsdóttir, Á., Held, S., Romo Jones, J.M., Salas, J.L., Avilés, T., Ruíz-Aguilar, D., Vilhjálmsón, A.M., 2020. The Acoculco High Temperature Area in Mexico: Resistivity Surveying; Data Acquisition, Processing and Inversion
25. Hersir, G.P., Arango-Galván, C., Benediktsdóttir, Á., Jousset, P., Calo, M., Schill, E., Perez Flores, M.A., Békési, E., Poletto, F., Manzella, A., Gaucher, E., Toledo Zambrano, T.A., Held, S., Angulo Carrillo, J., Romo Jones, J.M., Cornejo, N., Soto, A.F., and Carrillo, J., 2020. Detection of deep structures: An overview of what has been achieved in WP5 within GEMex
26. Jentsch, A., Jolie, E., Jones, D. G., Corran, H.-T., Peiffer, L., Zimmer, M., The exsolution of magmatic volatiles in the Los Humeros volcanic-geothermal system
27. Jiménez-Haro, A., Gómez-Álvarez, F., Gaitán-Ramírez, M.F., Garduño-Monroy†, V. H., García-Hernández, O., Magaña, M., Ávila-Olivera, A., Muñoz-Jáuregui, A., Nájera, S., Israde-Alcántara, I., Liotta, D., Brogi, A., Wheeler, W., Bastesen, E., Neo-formed faulting

and fracturing with conductive characteristics in the Acoculco geothermal system, Puebla, Mexico

28. Kozdrój W., Pańczyk-Nawrocka M., Nawrocki J., Ziółkowska-Kozdrój M., Wójcik K., 2020, „Geochronological and paleomagnetic constraints on evolution of Palaeozoic plutonic basement and Neogene-Pleistocene volcanic succession of the Las Minas mining area (E-part of the Trans-Mexican Volcanic Belt)
29. Kretzschmar, T., Lelli, M., Sánchez Ávila, J.I., del Toro Guerrero, F., Campos Gaytán, R., Cañas Ramírez, J., Ramos Arroyo, Y.R., Rodríguez Moreno, V., Aguilar Ojeda, J. A., Hydrogeological and hydrochemical characterization of surface and groundwater in the surroundings of Los Humeros and Acoculco
30. Kruszewski, M., Hofmann, H., Gómez Álvarez, F., Bianco, C., Jiménez Haro, A., Garduño†, V. H., Liotta, D., Trumpy, E., Brogi, A., Wheeler, W., Bastesen, E., Parisio, F., Integrated stress field estimation and implications for enhanced geothermal system development in Acoculco
31. Kruszewski et al., Improving Wellbore Sealing Integrity in Deep High-Temperature Well Applications
32. Kummerow, J., Raab, S., Spangenberg, E., The impact of reactive flow on electrical and hydraulic rock properties in supercritical geothermal settings
33. Lacinska, A. M., Rochelle, C., Kilpatrick, A., Rushton, J., Weydt, L. M., Bär, K., Sass, I., Evidence for fracture-hosted fluid-rock reactions within geothermal reservoirs of the eastern Trans-Mexican Volcanic Belt
34. Lelli, M., Kretzschmar, T. G., Cabassi, J., Doveri, M., Gherardi, F., Magro, G., Norelli, F., Sánchez-Ávila, J., del Toro, F., Ramos, Y. R., Alfaro Cuevas Villanueva, R., Cañas Ramírez, J. C., González Manzano, E., Novelty on water and gas geochemistry in Los Humeros geothermal field (LHGF)
35. Lepillier, B., Daniilidis, A., Torabi, A., Bruhn, D., Bastesen, E., Parisio, F., Hofmann, H., Kummerow, J., Yoshioka, K., Doonechaly Gholizadeh, N., García, O., Bruna, P.-O., Bakker, R., Wheeler, W., and the GEMex consortium, How to evaluate Enhanced Geothermal System feasibility? A simple workflow applied to the Acoculco Geothermal case study
36. Lepillier, B., Daniilidis, A., Torabi, A., Bruhn, D., Bastesen, E., Parisio, F., Hofmann, H., Kummerow, J., Yoshioka, K., Doonechaly Gholizadeh, N., García, O., Bruna, P.-O., Bakker, R., Wheeler, W., and the GEMex consortium, A predictive mechanical model for hydraulic fracture stimulation in Acoculco geothermal reservoir system
37. Löer, K., Toledo, T., Norini, G., Zhang, X., Curtis, A., & Saenger, E.H. (2020). Imaging the brittle-ductile transition zone at the Los Humeros geothermal field using ambient seismic noise.
38. López-Hernández, A., Jolie, E., Gutiérrez-Negrín, L.C., Izquierdo-Montalvo, G., Liotta, D., González-Partida, E., Hersir, G.P., Arango-Galván, C., Romo-Jones, J.M., Ramírez-Montes, M., Improvement of the conceptual model of Los Humeros: Beyond the GEMex Project

39. Lucci, F., Giordano, G., Carrasco-Núñez, G., Rossetti, F., Urbani, S., The Los Humeros caldera: unravelling the anatomy of the Holocene magmatic plumbing system through a petrological approach
40. Maestrelli D., Bonini M., Corti G., Montanari D., Moratti G., 2020. Interplay between rift propagation and inherited crustal fabrics: insights into the Los Humeros and Acoculco volcanic complexes
41. Mandrone, G., Comina, C., and Vacha, D.: Faults characterization aimed at geothermal fluid path identification and quantification
42. Mendrinos, D., Karytsas, S., Karytsas, C., Poletto, F., Farina, B. (2020), Los Humeros superhot and Acoculco EGS: distribution of rock modulus and correlation with temperature
43. Mendrinos, D., Kalantzis, C., Karytsas, C., “Monitoring methods for Los Humeros superhot geothermal system: state-of-the-art”
44. Mendrinos, D., Karytsas, C., “Thermal loop design aspects in Ultra Hot Geothermal Systems”
45. Montegrossi, G. (2020) Reservoir modeling and calibration for the super-hot reservoir at Los Humeros
46. Norini G., Carrasco-Núñez, G. (2020). Structural model of the Los Humeros volcanic complex for the exploration of the deep Super-Hot Geothermal System
47. Olvera García, E., Bastesen, E., Bianco, C., Brogi, A., Caggianelli, A., Garduño Monroy†, V.H., Liotta, D., Torabi, A., Wheeler, W.H., Zucchi, M., Faults controlling ore deposits distribution in the Las Minas area (Mexico)
48. Parisio, F., Villarasa, V., Wang, W., Kolditz, O., Nagel, T., Modelling fault reactivation and induced seismicity in supercritical geothermal systems
49. Pérez-Flores, M.A., Carrillo-López, J., Gallardo, L.A., Schill, E., 7. Joint 3D inversion of regional gravity and magnetic data for Los Humeros and Acoculco geothermal fields with a petrophysical relation
50. Perton, M., Figueroa-Soto, A., Maldonado Hernández, L., Calò, M., Jousset, P., Seismic characterization of the Acoculco caldera
51. Peters, E. B. Lepillier, H. Hofmann, (2020) Simulation of Enhanced Geothermal Production (EGS) scenarios at Acoculco Geothermal site
52. Poletto F., Barison E., Böhm G. and Farina B., 2020. Active seismic for exploration of SHGS geothermal systems.
53. Ruggieri G., Morelli G., Zucchi M., Braschi E., Agostini S., Ventruti G, Brogi A., Liotta D., Boschi C., Gonzalez Partida E. (2020) Insight into the fluids occurring in the super-hot reservoir of the Los Humeros geothermal system from fluid inclusions and isotopic data of the Las Minas exhumed system (Mexico)
54. Ruiz-Aguilar, D., Romo-Jones, J.M., Arango-Galván, C., Benediktsdóttir, A., Hersir, G.P., MT Data from the Acoculco geothermal area: 3D inversion and model assessment results

55. Ruiz-Aguilar, D., Romo-Jones, J.M., Arango-Galván, C., Benediktsdóttir, A., Hersir, G.P., MT Data from the Los Humeros geothermal area: 3D inversion and model assessment results
56. Sanjuan, B., Developments of auxiliary chemical geothermometers (Na-Li, Na-Cs) applied to the Los Humeros and Acoculco high-temperature geothermal fields (Mexico)
57. Santilano, A., Manzella, A., Godio, A., Pace, F., Hersir, G.P., Benediktsdóttir, A., Held, S., Arango Galván, C., Romo Jones, J.M. 2020. Computational intelligence-based approaches to the integrated study of the Acoculco Caldera (Mexico): particle swarm optimization of Magnetotelluric, Transient Electromagnetic and Vertical Electrical Sounding data
58. Sulpizio, R., Massaro, S., Costa, A., Groppelli, G., Vona, A., Giordano, G., Romano, C., Carrasco-Núñez, G., Norini, G., Insights on caldera collapse as effect of clustering of large explosive eruptions: the example of the Faby Tuff eruptions at Los Humeros Volcanic Complex (Mexico)
59. Thorbjornsson, I. O., González, L. E., Ramírez, M., Morales, L., Diez, H., Jonsson, S.S., Kaldal, G. S., Gudmundsson, L., Material testing downhole at well H-64 at the Los Humeros geothermal field in Mexico
60. Toledo, T., Gaucher, E. , Jousset, P., Maurer, H., Krawczyk, C., Calò, M., Figueroa, A., Local earthquake tomography at the Los Humeros geothermal field
61. Trumpy, E., Liotta, E., Brogi, A., Manzella, A., Santilano, A., Gola, G., Schill, E., Held, S., Cornejo, N., Arango, C., Benediktsdóttir, A., Hersir, G., Gutiérrez-Negrín, L.C., Wheeler, W., Bastesen, E.,31. Data integration to constrain the geological structures in the Acoculco area
62. Tveit, S., Mannseth, T., Ensemble-based Bayesian joint utilization of information from multiple data types for Los Humeros
63. Weydt, L. M., Lucci, F., Carrasco-Núñez, G., Giordano, G., Lacinska, A., Rochelle, C., Bär, K., and Sass, I.:Petrophysical reservoir characterization of the Los Humeros geothermal field (Mexico): comparison of outcrop analogues and reservoir formations
64. Wheeler, W., Bastesen, E., Liotta, D., Brogi, A., Garduño Monroy†, V. H., Jiménez Haro, A., Gómez Álvarez, F., González Partida, E., Fault models of the Acoculco borehole area for 3D architecture and fluid flow appraisal