

EMPLOYEMENT [Research and teaching positions]

10/25 – Present. Teaching fellow – Mineralogy & Petrology. University of Barcelona (Spain)

Teaching Geochemistry and related subjects at the BSc and MSc level (Geology and Environmental Sciences).

04/24 – 10/25. Science assistant - numerical modelling. Geosciences Barcelona (GEO3BCN-CSIC)

EMARS project – Evolution of mantle flow and olivine crystallographic preferred orientation.

04/21 – 04/24. PhD Candidate. University of Barcelona, Faculty of Earth Sciences (Spain)

Teaching and multidisciplinary study of the giant quartz veins and their host rocks in the Pyrenees.

11/2023. International research visitor at the University of Tübingen (Germany)

Teaching and numerical modelling of diffusive fluid transport in crystalline rocks.

03/2023. International research visitor at the University of Aberdeen (United Kingdom)

SEM-EBSD investigations on brittle and ductile deformation microstructures.

09/22 – 11/22. International research visitor at the RWTH Aachen University (Germany)

Comprehensive study of fluid inclusions: microthermometry, Raman spectroscopy and LA-ICPMS microanalysis.

09/20 – 03/21. Assistant Research Scientist. University of Barcelona, Faculty of Earth Sciences (Spain)

Development of the Iberian Evaporite Structures Database (IESDB) (<https://iesdb.eu>).

09/18 – 06/19. Internship Student. Spanish National Research Council (GEO3BCN-CSIC)

Geochronological studies applied to igneous rocks from the Pyrenees.

EDUCATION [Official degrees]

2022 – 2025. PhD in Geosciences, University of Barcelona. Thesis entitled “Fluid migration, rock deformation, and mineral alteration in the Earth’s crust: Insights from giant quartz veins and their host rocks in the Pyrenees”.

2019 – 2020. MSc Mineral Resources and Geological Hazards, University of Barcelona. Awarded by the Spanish Mineralogical Society (SEM).

2013 – 2019. Degree in Geology, University of Barcelona. Awarded by the Spanish Illustrious Official College of Geologists (ICOG).

SCIENCE TRAINING [Courses and fieldtrips]

University of Iceland – Reykjanes peninsula, geothermal spots, and ongoing volcanism [Fieldtrip]

Fieldtrip to the Reykjanes peninsula and examination of geothermal sites and volcanic products of the Fagradalsfjall 2021 and 2022 eruptions. Led by Dr. Eniko Bali and Dr. Guðmundur H. Guðfinnsson.

University of Iceland – Introduction to fluid inclusions and geothermal fluids [Course]

Course on fluid inclusion systematics, phase stability, relationship with ore deposits, and implications for geothermal energy. Led by Dr. Robert J. Bodnar (Virginia Tech).

University of Lausanne / University of Padova – Understanding deep crustal processes [Course]

Course on petrologic processes of the deep Earth’s crust, with emphasis on melting in the lower crust, granitoid magmatism, geochemical differentiation and crustal rheology. Led by Dr. Bernardo Cesare and Dr. Lukas Baumgartner.

University of Milano-Bicocca – Detrital geochronology and thermochronology [Course]

Course on geochronological methods (zircon U-Pb, mica Ar-Ar, apatite and zircon fission-track and (U-Th)/He, trapped-charge thermochronology) with special emphasis on detrital materials. Led by Dr. Igor M. Villa.

Marrakech University – High-Atlas of Marrakech, Morocco [Fieldtrip]

Fieldtrip to examine sedimentary, tectonic, and magmatic markers of the Phanerozoic rifting on the N High-Atlas of Morocco. Led by Dr. El Hassane Chellai and Dr. Mohamed Aquit.

University of Barcelona – Statistics applied to Earth Sciences [Course]

Course on descriptive and inferential statistics, analysis of data matrices, preparation of data for statistical analysis, and the SPSS software suite. Led by Dr. Cristina Baeza.

University of Catania / INGV – Etna Volcano and Calabria Crystalline Basement [Fieldtrip]

Fieldtrip to examine volcano-tectonic interactions and lava flows of the Etna, and brittle and ductile deformation features at Palmi, Rovaglioso, and Messina. Led by Dr. Rosalda Punturo, Dr. Gaetano Ortolano, and Dr. Eugenio Fazzio.

University of Mainz – Microtectonics Masterclass [Course]

Course on the principles of microstructure analysis, deformation phases, foliations and lineations, shear zones, veins and fringes, and metamorphic reactions. Led by Dr. Cees Passchier and Dr. Virginia Toy.

University of Edinburg – Climate Change: Carbon Capture and Storage [Course]

Introductory course to CCS as a long-term solution for carbon dioxide emission reduction in the context of global energy and climate change. Led by Dr. Mathieu Lucquiaud, Dr. Mark Wilkinson and Dr. Mennat Allah Labib. Online.

University of Kyoto – Introduction to Geochemistry [Course]

Introductory course to the element abundances and distribution on Earth, rock classification and geochemical diversity. Led by Dr. Yoji Kobayashi. Online.

Stanford University – Reservoir Geomechanics [Course]

Introductory course to rock mechanics, structural geology, seismology and petroleum engineering applied to the exploitation of oil and gas reservoirs. Led by Dr. Mark Zoback. Online.

SELECTED PROJECTS [total funding: €1.04 M]

AECT-2024-2-0014 – Unravelling rock deformation history in mantle subduction zones

Funding: Barcelona Supercomputing Center. Role: Research Team. Project funding: 1,500,000 HPC hours.

CA23124 – Social, biological and climatic impacts of salt ages

Funding: COST Actions, European Union. Role: WG Coordinator [Evaporite Database]. Project funding: 0.6 M€.

PID2022-139943NB-I00 – Geodynamics of Adria microplate, mantle to surface

Funding: Spanish Government / European Union. Role: Research Team. Project funding: 131,250.00€.

2022PEDC – Millora de pràctiques de geomaterials [improvement of geomaterials for practical lectures]

Funding: University of Barcelona. Role: Working Team. Project funding: 2,500.00€.

2022GSL-SRG – Unravelling the formation mechanisms of giant quartz veins in the Pyrenees

Funding: Geological Society of London. Role: Principal Investigator. Project funding: 2,400.00€.

2021SGR-00349 – Sedimentary Geology Research Group

Funding: Catalan Government. Role: Research Team. Project funding: 40,000.00€.

PID2021-122467NB-C22 – Fold- and fault-controlled diagenesis in orogenic and rifting systems

Funding: Spanish Government / European Union. Role: Working Team. Project funding: 217,800.00€

Geomodels Research Institute

Funding: Generalitat de Catalunya. Role: Research Team and board member. Project funding: 40,000.00€

PID2020-118999GB-I00 – New evaporite records from the Eastern and Western Mediterranean

Funding: Spanish Government / European Union. Role: Working Team. Project funding: 229,900.00€

RyC-2018-026335 – Interplay between crustal deformation, dynamic fluid flow and rock alteration

Funding: Spanish Government / European Union. Role: hired within the project. Project funding: 208,600.00€

PGC2018-093903-B-C22 – Unravelling fluid flow during the evolution of inverted basins and orogens

Funding: Spanish Government / European Union. Role: Working Team. Project funding: 127,050.00€

2017SGR-00824 – Sedimentary Geology Research Group

Funding: Catalan Government. Role: Research Team. Project funding: 44,035.34€.

TEACHING EXPERIENCE [interdisciplinary teaching with novel methods]

Teaching [lectures] at Universitat de Barcelona: 96 h (2022, 2023, 2025 and 2026)

Degrees: BSc Chemistry, BSc Environmental Sciences, MSc Science and Integrated Management of Water.

Teaching [fieldwork, practicum] at Universitat de Barcelona: 95 h (2021, 2022, 2023, 2025 and 2026)

Degrees: MSc Science and Integrated Management of Water, BSc Environmental Sciences, BSc Geology.

Teaching [fieldwork, practicum] at Tübingen University: 56 h (2022)

Degree: MSc Geosciences

STUDENT SUPERVISION [Structural Geology, Petrology and Geoenergy topics]

Carles Dols – MSc thesis [2025-2026]. *Spatial analysis of volcanic risk perception in El Hierro (Canary Islands).*

Carles Dols – BSc thesis [2024-2025]. *Time-series database of the La Palma 2021 Cumbre Vieja eruption.*

Kensaku Moriya – MSc thesis [2024-2025]. *Chlorite geochemistry in talc deposits from N Spain.*

Natalia Sanchez – MSc thesis [2024-2025]. *Evaporite units' selection for energy storage in Denmark.*

Albert Camps – Practicum MSc [2024-2025]. *Evaporite units' selection for energy storage in Spain.*

Oriol Miret – Practicum BSc [2024]. *Digitalization and analysis of borehole data in Spain*.

Andreu Castanyo – MSc thesis [2022]. *Igneous petrology & Tectonics in the Pyrenees*.

Victor Martí – BSc thesis [2019]. *Structural geology & Tectonics in the Pyrenees*.

PEER-REVIEWED PUBLICATIONS [13 first-authored papers; 8 of them in Q1]

18. [González-Esvertit, E.](#), Casas, J.M., Canals, À., Bons, P.D., Konrad, K., ..., Neilson, J., Domínguez-Carretero, D., Beranoaguirre, A., Gerdes, A., Gomez-Rivas, E. (2026). Hydrolytic weakening controls Jurassic to early Cretaceous mylonitization in the basement of the Pyrenees. *Journal of Structural Geology*, 105584.

DOI: [10.1016/j.jsg.2025.105584](https://doi.org/10.1016/j.jsg.2025.105584)

17. Mohammed, A.K.A., Velledits, F.V., Mohammed, I.Q., Alsuwaidi, M., Mansurbeg, H., Kristály, F., Ivanova, D.K., [González-Esvertit, E.](#), Awdal, A. (2026). Depositional facies, sequence stratigraphy and diagenesis of Lower Cretaceous carbonate reservoir, Southern Iraq: Implications for petroleum exploration. *Journal of Petroleum Geology*, in press.

DOI: [10.1111/jpg.70025](https://doi.org/10.1111/jpg.70025)

16. Casas, J.M., [González-Esvertit, E.](#), Beranoaguirre, A., Domínguez-Carretero, D., Canals, À., Gomez-Rivas, E., Margalef, A., Figueras, F., Gerdes, A. (2025). U-Pb-age from undeformed granite pebbles in Carboniferous Culm conglomerates: new geochronological constraints on the Variscan events in the Pyrenees. *Lithos*, 516-517, 108227.

DOI: [10.1016/j.lithos.2025.108227](https://doi.org/10.1016/j.lithos.2025.108227)

15. Prieto-Torrell, C., Albert, H., Aulinas, M., [González-Esvertit, E.](#), Arienzo, I., Gisbert, G., Troll, V.R., Fernandez-Turiel, J.L., Rodriguez-Gonzalez, A., Perez-Torrado, F.J. (2025). Mush system heterogeneities control magma composition and eruptive style on the Ocean Island of El Hierro, Canary Islands. *Contributions to Mineralogy and Petrology*, 180(32).

DOI: [10.1007/s00410-025-02216-6](https://doi.org/10.1007/s00410-025-02216-6)

14. [González-Esvertit, E.](#), Canals, A., Prieto-Torrell, C., Bons, P.D., Llorens, M.-G., Casas, J.M., Aguilar, C., Neilson J., Elburg, M.A., Gomez-Rivas, E. (2025). Granitoid metasomatism and giant quartz vein formation by mineral replacement: insights from the Canigó Massif, Eastern Pyrenees. *Journal of Petrology*, 66(2), egafo07.

DOI: [10.1093/petrology/egaf007](https://doi.org/10.1093/petrology/egaf007)

13. [González-Esvertit, E.](#), Fusswinkel, T., Canals, A., Casas, J.M., Neilson J., Wagner, T., Gomez-Rivas, E. (2025). Fluid evolution and halogen fractionation in orogenic belts: a comparative fluid inclusion appraisal in the Eastern Pyrenees. *Chemical Geology*, 674, 122578.

DOI: [10.1016/j.chemgeo.2024.122578](https://doi.org/10.1016/j.chemgeo.2024.122578)

12. [González-Esvertit, E.](#), Prieto-Torrell, C., Bons, P.D., Canals, A., Casas, J. M., Elburg, M. A., & Gomez-Rivas E. (2025). A review of the granite concept through time. *Earth-science Reviews*, 261, 105008.

DOI: [10.1016/j.earscirev.2024.105008](https://doi.org/10.1016/j.earscirev.2024.105008)

11. Hu, Y., Bons, P.D., de Riese, T., Liu, S., Llorens, M.-G., [González-Esvertit, E.](#), Gomez-Rivas, E., Li, D., Fu, Y., Cai, X. (2024). Folding of a single layer in an anisotropic viscous matrix under layer-parallel shortening. *Journal of Structural Geology*, 188, 105246.

DOI: [10.1016/j.jsg.2024.105246](https://doi.org/10.1016/j.jsg.2024.105246)

10. [González-Esvertit, E.](#), Canals, A., Bons, P.D., Casas, J. M., Nieto, F., & Gomez-Rivas, E. (2024). Chlorite chemical refinement during giant quartz vein formation. *GSA Bulletin*, 136 (11-12): 5208–5216.

DOI: [10.1130/B37510.1](https://doi.org/10.1130/B37510.1)

9. [González-Esvertit, E.](#), Casas, J. M., Canals, A., Bons, Paul D., Prieto-Torrell, C., Cofrade, G., Gomez-Rivas, E. (2024). Multi-scale Analysis of the Mylonitised Giant Quartz Veins of the Cap de Creus and Canigó Massifs (Pyrenees). In: Çiner, A., et al. MedGU 2022. Advances in Science, Technology & Innovation. Springer, Cham.

DOI: [10.1007/978-3-031-48758-3_45](https://doi.org/10.1007/978-3-031-48758-3_45)

8. [González-Esvertit, E.](#), Alcalde, J., Gomez-Rivas, E. (2024). The Iberian Evaporite Structure Database (IESDB): An Evaporite Radar for Energy, Carbon, and Nuclear Waste Storage Facilities. In: Çiner, A., et al. MedGU 2022. Advances in Science, Technology & Innovation. Springer, Cham.

DOI: [10.1007/978-3-031-48758-3_17](https://doi.org/10.1007/978-3-031-48758-3_17)

7. [González-Esvertit, E.](#), Alcalde, J., Gómez-Rivas, E. (2023). IESDB – The Iberian Evaporite Structure Database. *Earth System Science Data*, 15, 3131–3145.

DOI: [10.5194/essd-15-3131-2023](https://doi.org/10.5194/essd-15-3131-2023)

6. [González-Esvertit, E.](#), Molins-Vigatà, J., Canals, A., & Casas, J. M. (2023). The geology of the Grèixer area (La Cerdanya, Eastern Pyrenees): Sardinic, Variscan, and Alpine imprints. *Trabajos de Geología*, 37, 81-95.

DOI: [10.17811/tdg.37.2023.81-95](https://doi.org/10.17811/tdg.37.2023.81-95)

5. [González-Esvertit, E.](#), Canals, A., Gómez-Rivas, E., Bons, Paul D., Murta, H., Casas, J. M. (2022). Geology of giant quartz veins and their host rocks from the Eastern Pyrenees (Southwest Europe). *Journal of Maps*, 19(1), 2133642.

DOI: [10.1080/17445647.2022.2133642](https://doi.org/10.1080/17445647.2022.2133642)

4. Bons, Paul D., Cao, D., de Riese, T., Gómez-Rivas, E., [González-Esvertit, E.](#), Koehn, D., Naaman, I., Sachau, T. & Tian, H (2022). A review of natural hydrofractures in rocks. *Geological Magazine*, 159, 1952-1977.

DOI: [10.1017/S0016756822001042](https://doi.org/10.1017/S0016756822001042)

3. [González-Esvertit, E.](#), Canals, A., Bons, Paul D., Casas, J. M. & Gómez-Rivas, E. (2022). Compiling regional structures in geological databases: the Giant Quartz Veins of the Pyrenees as a case study. *Journal of Structural Geology*, 163(1–4):104705.

DOI: [10.1016/j.jsrg.2022.104705](https://doi.org/10.1016/j.jsrg.2022.104705)

2. [González-Esvertit, E.](#), Canals, A., Casas, J. M., & Nieto, F. (2021). Chlorite chemical adjustment in the Gréixer vein: effects on thermometry. *Macla*, 24, 32-33.

URL: <https://dialnet.unirioja.es/servlet/articulo?codigo=8231752>

1. [González-Esvertit, E.](#), Canals, A., Casas, J. M., & Nieto, F. (2020). Insights into the structural evolution of the pre-Variscan rocks of the Eastern Pyrenees from La Molina quartz veins; constraints on chlorite and fluid inclusion thermometry. *Geologica Acta*, 18(1), 1-20, I-XVIII.

DOI: [10.1344/GeologicaActa2020.18.18](https://doi.org/10.1344/GeologicaActa2020.18.18)

DATASETS AND GEODATABASES [6 FAIR projects indexing multidisciplinary data]

[González-Esvertit, E.](#), et al. (2026). Deformation and anisotropy in magma–mush systems (ANIMUSH). [in prep.]

Prieto-Torrell, C., [González-Esvertit, E.](#), et al. (2026). Whole-rock geochemical database of El Hierro. [in prep.]

[González-Esvertit, E.](#), et al. (2024). Global Granite Geochemistry and Outcrop Database (GGGOD). [[link](#)]

[González-Esvertit, E.](#), et al. (2024). North-East Iberian Granitoids Database (NEIGRA). [[link](#)]

[González-Esvertit, E.](#), et al. (2022). The Iberian Evaporite Structures Database (IESDB). [[link](#)] [[website](#)]

[González-Esvertit, E.](#), et al. (2021). Giant Quartz Veins of the Pyrenees Database (GIVEPY). [[link](#)] [[website](#)]

CONFERENCES AND INVITED TALKS [23 in-person presentations in 11 countries]

27. [González-Esvertit, E.](#) (2025). The "Where" matters: Visualizing and presenting geoscientific data beyond the spreadsheet. *Invited lecture, European Plate Observation System (EPOS) International Summer School*. [**Oral Presentation**]. Olot, **Spain**.

26. [González-Esvertit, E.](#) (2025). A Global Evaporite Database for Science and Society. *Invited lecture, SaltAGES Annual meeting (Cost Action CA23124)*. [**Oral Presentation**]. Krakow, **Poland**.

25. [González-Esvertit, E.](#) (2025). Historic development of Granite Science: A Two-Century Journey Through Competing Paradigms. *Invited lecture, Royal Academy of Exact, Physical and Natural Sciences of Spain*. [**Oral Presentation**]. Granada, **Spain**.

24. [González-Esvertit, E.](#), [Casas, J. M.](#), Canals, À., Gomez-Rivas, E., Elburg, M.A., Fusswinkel, T., Wagner, T., Prieto-Torrell, C., Nieto, F., Neilson, J., Beranoaguirre, A., Konrad, K., Llorens, M.-G., Bons, P. D. (2025). Sheared rocks, silica stocks: rethinking giant quartz vein formation. *GAC MAC IAH-CNC 2025*. [**Poster Presentation**]. Ottawa, **Canada**.

23. [Prieto-Torrell, C.](#), Albert, H., Aulinas, M., [González-Esvertit, E.](#), Arienzo, I., Gisbert, G., Troll, V.R., Rodriguez-Gonzalez, A., Fernandez-Turiel, J.L., Perez-Torrado, F.J. (2025). Mush system dynamics and architecture on the Ocean Island of El Hierro, Canary Islands. *IAVCEI General Assembly 2025*. [**Poster Presentation**]. Geneve, **Switzerland**.

22. [Llorens, M.-G.](#), [González-Esvertit, E.](#), Qi, C., [Prieto-Torrell, C.](#), Gomez-Rivas, E., Yu, Y., Lebensohn, R. (2025). Anisotropy development during dynamic recrystallisation of partially molten olivine. *EGU General Assembly 2025*. [**Oral Presentation**]. Vienna, **Austria**.

21. [Prieto-Torrell, C.](#), Aulinas, M., Albert, H., Rodriguez-Gonzalez, A., Arienzo, I., Gisbert, G., [González-Esvertit, E.](#), Troll, V.R., Fernandez-Turiel, J.L., Perez-Torrado, F.J. (2024). Magma composition and eruptive style heterogeneities in a mush-dominated system (El Hierro, Canary Islands). *GEOMARE Speeches 2024*. [**Poster Presentation**]. Barcelona, **Spain**.

20. [González-Esvertit, E.](#), Alcalde, J., Gomez-Rivas, E. (2024). Unlocking Evaporite Data: The FAIR Approach of the Iberian Evaporite Structure Database (IESDB). *GEOMARE Speeches 2024*. [**Poster Presentation**]. Barcelona, **Spain**.

19. González-Esvertit, E., Canals, A., Prieto-Torrell, C., Bons, P.D., Llorens, M.-G., Casas, J.M., Aguilar, C., Neilson J., Elburg, M.A., Gomez-Rivas, E. (2024). Rising and falling paradigms through Earth Science history: assortative mating and refuges over two centuries of granite science. *GEOMARE Speeches* 2024. [Oral Presentation]. Barcelona, **Spain**.
18. Prieto-Torrell, C., Aulinas, M., Albert, H., Rodriguez-Gonzalez, A., Arienzo, I., Gisbert, G., **González-Esvertit, E.**, Troll, V.R., Fernandez-Turiel, J.L., Perez-Torrado, F.J. (2024). Deciphering the Holocene magmatic plumbing system dynamics beneath El Hierro (Canary Islands). *Conferenza A. Rittmann* 2024. [Poster Presentation]. Catania, **Italy**.
17. González-Esvertit E., Canals A., Prieto-Torrell, C., Bons, P.D., Llorens, M.-G., Casas, J.M., Aguilar, C., Neilson J., Elburg M.A., Gomez-Rivas E. (2024). Coupled mylonitization and giant quartz vein formation in the basement of the Pyrenees. *Deformation mechanisms, Rheology and Tectonics (DRT) Meeting*. [Oral Presentation]. Barcelona, **Spain**.
16. González-Esvertit, E., Alcalde, J., Gomez-Rivas, E. (2024). Evaporites for the sustainable exploration and appraisal of mineral resources and Geo-Energy applications: the Iberian Evaporite Structure Database (IESDB). *Deformation mechanisms, Rheology and Tectonics (DRT) Meeting*. [Poster Presentation]. Barcelona, **Spain**.
15. González-Esvertit, E., Alcalde, J., Gomez-Rivas, E. (2024). Making evaporite data FAIR – The Iberian Evaporite Structure Database (IESDB). *International Association of Sedimentology (IAS) Conference*. [Oral Presentation]. Aberdeen, **United Kingdom**.
14. González-Esvertit, E., Canals, A., Prieto-Torrell, C., Bons, P.D., Llorens, M.-G., Casas, J. M., Aguilar, C., Neilson, J., Elburg, M. A., Gomez-Rivas E. (2024). Interplay between metasomatism and mylonitization in the basement rocks of the Pyrenees: coupled formation and deformation of Giant Quartz Veins? *International Association for Structural Geology and Tectonics (IASGT) Workshop 2024*. [Poster Presentation]. Indian Institute of Technology, Kharagpur, **India**.
13. González-Esvertit, E., Canals, A., Casas, J.M., Bons, P.D., Fusswinkel, T., Wagner, T., Gomez-Rivas, E. (2023). Basement- and cover-hosted Giant Quartz Veins: a comparative fluid inclusion appraisal in the Eastern Pyrenees. *European Current Research on Fluid and Melt Inclusions (ECROFI-2023)*. [Oral Presentation]. Reykjavík, **Iceland**.
12. Alcalde, J., González-Esvertit, E., Gomez-Rivas, E. (2023). IESDB – A comprehensive database of evaporite structures in Iberia. *EGU General Assembly 2023*. [Poster Presentation]. Vienna, **Austria**.
11. González-Esvertit, E., Casas, J. M., Canals, A., Bons, Paul D., Prieto-Torrell, C., Cofrade, G., Gomez-Rivas, E. (2022). Multi-scale analysis of the mylonitized giant quartz veins of the Cap de Creus and Canigó Massifs (Pyrenees). *Mediterranean Geoscience Union Annual Meeting*. [Oral Presentation]. Marrakech, **Morocco**.
10. González-Esvertit, E., Alcalde, J., Gomez-Rivas, E. (2022). The Iberian Evaporite Structure Database (IESDB) – an evaporite radar for energy, carbon, and nuclear waste storage facilities. *Mediterranean Geoscience Union Annual Meeting*. [Oral Presentation]. Marrakech, **Morocco**.
9. González-Esvertit, E., Alcalde, J. & Gómez-Rivas, E. (2022). Introducing the Iberian Evaporite Structure Database (IESDB). *Deformation mechanisms, Rheology and Tectonics (DRT) Meeting*. [Poster Presentation]. Catania, **Italy**.
8. González-Esvertit, E., Casas, J. M., Gómez-Rivas, E. & Canals, A. (2022). Structural analysis of giant quartz veins from the Eastern Pyrenees (SW Europe). *Deformation mechanisms, Rheology and Tectonics (DRT) Meeting*. [Poster Presentation]. Catania, **Italy**.
7. González-Esvertit, E., Gómez-Rivas, E., Canals, A., Llorens, M.-G., Margalef, A. & Casas, J. M. (2022). Indexation, evaluation and interpretation of regional geological structures using Geographic Information Systems: The giant quartz veins of the Pyrenees (SW Europe) as a case study. *XXI Congreso Geológico Argentino*. [Oral presentation]. Chubut, **Argentina**.
6. González-Esvertit, E. (2021). Giant quartz veins: kilometres of geological information. *Invited lecture, Expominer – MinerMat 2021: Minerales, materiales, medio ambiente y desarrollo sostenible*. [Oral presentation]. Barcelona, **Spain**.
5. González-Esvertit, E., Gómez-Rivas, E., Canals, A. & Casas, J. M. (2021). Building an orogen-scale database of giant quartz veins: the GIVEPY (Giant Quartz Veins of the Pyrenees) database. *Waiting for Yorgset, Società Geologica Italiana (SGI)* [Poster presentation]. **Online** live event.
4. González-Esvertit, E., Canals, A., Gómez-Rivas, E. & Casas, J. M. (2021). Giant quartz veins in the Eastern Pyrenees: a GIS-based macrostructural approach. *X Congreso Geológico de España de la Sociedad Geológica de España* [Oral presentation]. Vitoria, **Spain**.
3. González-Esvertit, E., Canals, A., Casas, J. M., & Nieto, F. (2020). Chlorite chemical adjustment in the Gréixer vein: effects on thermometry. *II Meeting, Spanish Mineralogical Society (SEM-CAT)* [Oral presentation]. **Online** live event.

2. González-Esvertit, E., Canals, A., Casas, J. M., & Nieto, F. (2020). Chlorite and fluid inclusion thermometry as a tool to inquire into the tectono-thermal evolution of orogens: an example from the La Molina V1 (Late Ordovician) and V2 (Alpine) quartz veins. *Geological Society of America Annual Meeting (GSA2020)* [**Oral** presentation]. **Online** live event.

1. González-Esvertit, E., Canals, A., & Casas, J. M. (2019). The Upper Ordovician Unconformity in La Molina area (Axial Pyrenees); deformation study and formation conditions of the associated quartz veins. *Basins and Resources (40th anniversary of CREGU)* [**Poster** presentation]. Nancy, **France**.

SERVICE TO ACADEMIA AND CONSULTANCY

Journal reviewing – Geophysical Research Letters (AGU Journals) [x1 manuscript], Discover Geoscience (Springer) [x1 manuscript], Journal of Structural Geology (Elsevier) [x3 manuscripts], Geochemistry (Elsevier) [x1 manuscripts], GSA Bulletin (GSA Pub) [x2 manuscripts], Geology (GSA pub) [x1 manuscripts], Earth Science Informatics (Springer) [x1 manuscript].

Project reviewing – Third 100 IUGS Geological Heritage Sites (IUGS) and Mitacs Accelerate project grants (Canada).

Conference organization – GEOMARE Speeches (Barcelona, 2024), Deformation Mechanisms, Rheology and Tectonics (Barcelona, 2024). ECR Representative member of the DRT managing committee.

Management of outreach activities – Spanish Geological Olympic Games (Barcelona, editions in 2021, 2022 and 2025), Geoscience outreach in child education schools (Barcelona, editions in 2021, 2023 and 2024).

Website creation & administration – IESDB Database [<https://iesdb.eu>], GIVEPY Database [<https://givepy.info>], Sedimentary Geology Research Group [<https://ub.edu/sedimentary-geology>].

Management of social media – X, LinkedIn, and Instagram official accounts of faculty research groups.

Consultancy – Unmanned Aerial Vehicle operator (A1/A3 and STS-EU certification by EASA): Collaborations for filming in the Pyrenees, Aeolian Islands and Mediterranean coast. Fluid inclusion studies: Independent consultant for fluid inclusion analysis of petroleum systems in Iraq and UAE.

GRANTS AND AWARDS

University of Barcelona Doctoral Studies commission – PhD internship grant [2025]

Funding: 603€. *Activity: Living expenses during analytical work abroad.*

Agustí Pedro Pons Foundation – Internship grant [2023]

Funding: 1,500€. *Activity: Living expenses during analytical work abroad.*

Mediterranean Geoscience Union – Best Paper International Award [2022]

Funding: 300€. *Activity: Conference presentation in Sedimentology, Stratigraphy, Palaeontology conference track.*

Deformation Mechanisms, Rheology and Tectonics Society – Student Funding Program [2022]

Funding: 700€. *Activity: Attending to the DRT2022 international conference in Catania, Italy.*

Spanish Mineralogy Society (SEM) – Best MSc Dissertation [2020]

Funding: 300€. *Activity: Academic Honours Award for the best Spanish thesis in mineralogy of the course 2019-2020.*

Spanish Illustrious Official College of Geologists (ICOG) – Best BSc Dissertation [2020]

Funding: 300€. *Activity: Academic Honours Award for the best Spanish thesis in geology of the course 2018-2019.*