

May 8th, 2025. Workshop, location: Geosciences Barcelona (GEO3BCN), CSIC

“Aiding basic and applied research in Earth sciences”

Research carried out at GEO3BCN pursues to increase in knowledge in Earth system sciences and contribute to society's action plans focusing on fulfilling its current and future needs (i.e. assessment and mitigation of the geological risks and sustainable use of the natural and energy resources).

Aiming to deepen into the understanding of the Earth system requires a holistic approach integrating all its components (the Atmosphere, the Geosphere, including the Hydrosphere, and the Biosphere). The dynamics and interaction of its processes have direct impacts on our society. Therefore, the scientific research must provide effective answers of how the Earth works, how we can manage the geological risks and how we can take advantage of the natural resources in a sustainable way. These are world-wide common scientific interests/objectives encourages broad knowledge exchange and discussions among international groups to determine possible synergies, develop communication channels and, establish or strengthen collaborations.

Time	Speaker	Talk Title
9:30-9:50	Santiago Giralt	Welcome & GEO3BCN Research Framework Director Geosciences Barcelona, (GEO3BCN-CSIC)
9:50-10:05	Jordi Ibáñez y/o David Martí	Laboratory Facilities
10:05-10:20	Gema Llorens	Multiscale geodynamic modeling
10:20-10:35	Juan Alcalde	Hidrogen & CCS
10:35-10:50	Adelina Geyer	Applied Vulcanology
10:50-11:05	Encarnación Montoya	Landscape Evolution & Global change
11:05-11:20	Coffee Break	
11:20-11:40	Isabel Diaz	CSIC-Spanish Research Council, Institutional Framework, Deputy Vice President for Internationalization & Cooperation
11:40-12:00	Shuwen Dong	SinoProbe Chinese Earth Exploration Research Initiative
12:00-12:20	Arnau Folch	Cheese & DT-GEO & HPC
12:20-12:40	Pilar Sánchez	Seismic Imaging, Monitoring and interpretation
12:40-13:00	Montserrat Torné/ Abraham Balaguera	Developments in applied research for mining applications
13:00-12:10	Ramon Carbonell	Closing remarks
13:10:	Lunch Reception	