

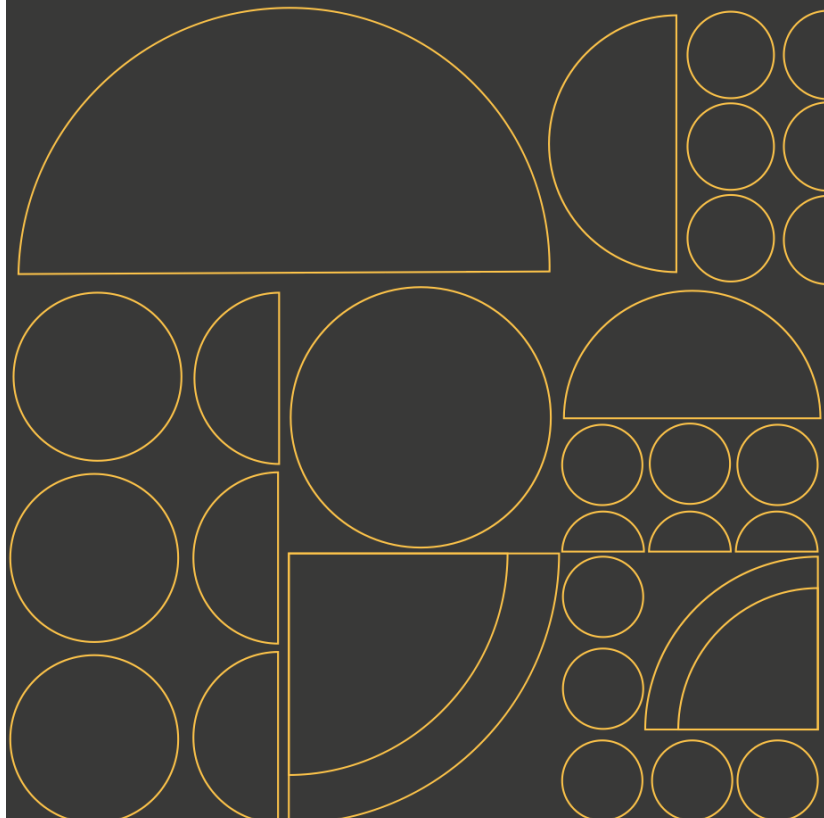
**ChEESE**

**Welcome!**

**Arnau Folch**

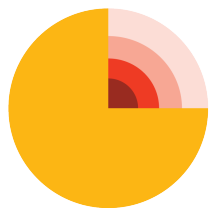
Geosciences Barcelona (GEO3BCN-CSIC), Barcelona, Spain

11th Galileo Conference  
23-26 May 2023



# Acknowledgements first...

## Our Sponsors



**ChEESE**

## Organizing Committee

Rose Gregorio (BSC-CNS)

Varvara Vedia (GEO3BCN-CSIC)

María José García (GEO3BCN-CSIC)

Silvia Zafrilla (GEO3BCN-CSIC)

María Paz Baghetti (BSC-CNS)



# Acknowledgements first...

## Scientific Committee

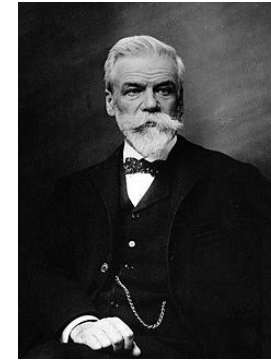
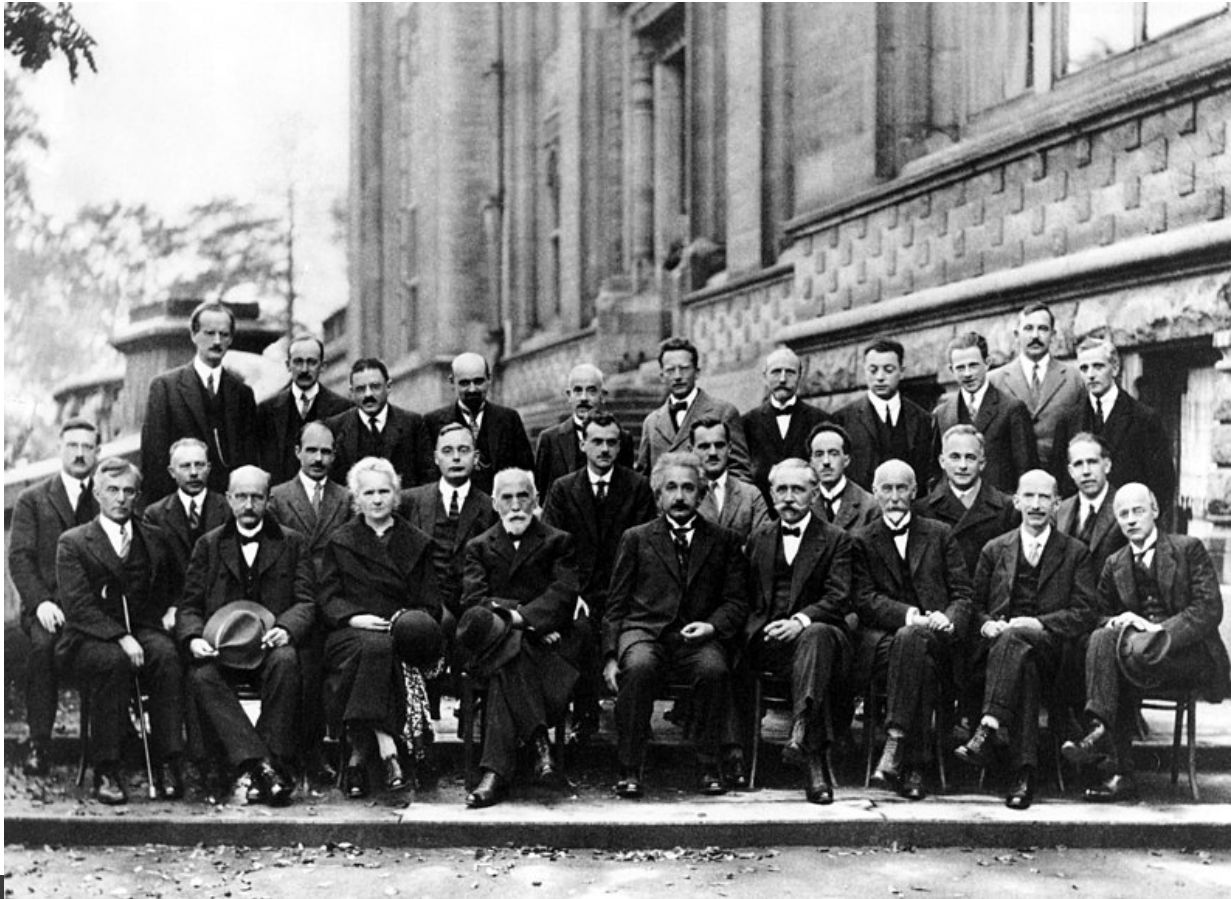
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Marta Pienkowska (ETH Zürich)  
Alice-Agnes Gabriel (LMU Munich)

## Master Class Instructors

Ludovic Raess (ETH Zürich)  
Ivan Utkin (ETH Zürich)  
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Javier Conejero (BSC-CNS)  
Raül Sirvent (BSC-CNS)  
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Jorge Macías (Univ. Málaga)  
Rui Ferreira (CERIS- Univ. Lisbon)  
Arnau Folch (GEO3BCN-CSIC)  
Nicola Castelletto (LLNL)



# The underpinning spirit



Ernst Solvay  
(1838-1922)

## 5th Solvay conference (1927): “electrons et photons”

*1st row: Langmuir, Planck, Madame Curie, Lorentz, Einstein, Langevin, Guye, Wilson, Richardson*

*2nd row: Debye, Knudsen, W. L. Bragg, Kramers, Dirac, Compton, de Broglie, Born, Bohr*

*3rd row: Piccard, Henriot, Ehrenfest, Herzen, de Donder, Schrödinger, Verschaffelt, Pauli, Heisenberg, Fowler, Brillouin*



# Galileo Conferences

*10th EGU Galileo Conference: The warm Pliocene: Bridging the geological data and modelling communities* · Leeds, UK · 23–26 August 2022

*7th EGU Galileo Conference: Second workshop on isotope-based studies of water partitioning and plant-soil interactions* · Tuscany region, Italy · 26–28 July 2022

*9th EGU Galileo Conference: Fire impacts at the Earth surface across space and time: perspectives for future fire management* · Bad Belzig, Germany · 28 March – 1 April 2022

*6th EGU Galileo Conference: Perturbations of earth surface dynamics caused by extreme events* · Kathmandu, Nepal · 13–19 October 2019

*5th EGU Galileo Conference: Mass extinctions, recovery and resilience* · Utrecht, The Netherlands · 26 August – 1 September 2019

*3rd EGU Galileo Conference: The anatomy of abrupt climate change: dissecting the palaeo-record to trace the mechanisms of climate variability* · Gniew, Poland · 27–31 August 2018

*4th EGU Galileo Conference: Exploring new frontiers in fluids processes in subduction zones* · Leibnitz, Austria · 24–29 June 2018

*2nd EGU Galileo Conference: Geoscience for understanding habitability in the solar system and beyond* · São Miguel (Azores), Portugal · 25–29 September 2017

*1st EGU Galileo Conference: From process to signal – advancing environmental seismology* · Ohlstadt, Germany · 6–9 June 2017



## CONFERENCE PROGRAMME

11TH EGU GALILEO CONFERENCE



**Solid Earth and Geohazards  
in the Exascale Era**

**23 - 26 MAY 2023  
BARCELONA (SPAIN)**



# The 11th Galileo Conference (structure)

Topical sessions	Session 1	Session 2	Session 3	Session 4
	Preparation of HPC codes	Edge-to-end data workflows	Computational geosciences	HE and EuroHPC policies
Keynote introduction	Richard Mills	Scott Callaghan	Nicola Castelleto	Linda Gesenhues
Invited talk	-	-	-	4
Short talk	2	4	4	-
Posters	5	7	16	-
Master class	8	7	7	-
Breakout sessions	Yes	Yes	Yes	Yes
	<b>Consensual document preparation</b>			



## The 11th Galileo Conference (in numbers)

**78**

Participants

**55**

Contributions

**22**

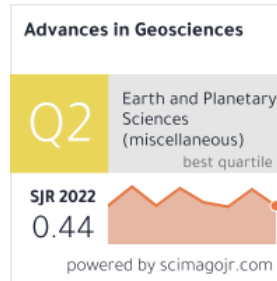
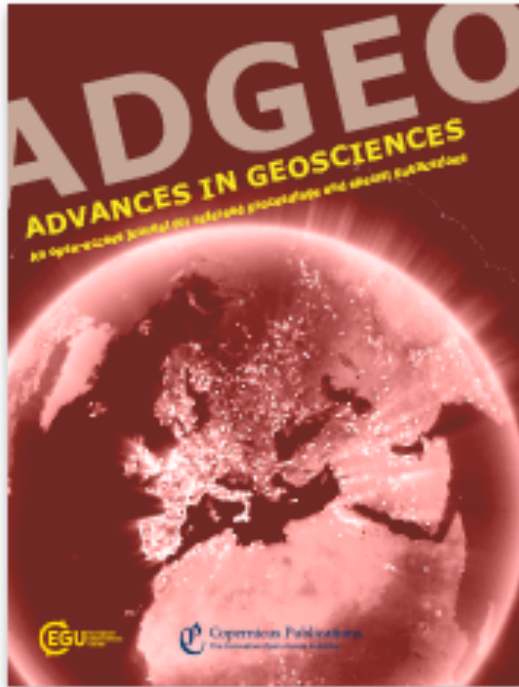
MC students

**10**

ECS grants



# Advances in Geosciences (ADGEO) special volume



## Editors

Marisol Monterrubio (BSC-CNS)

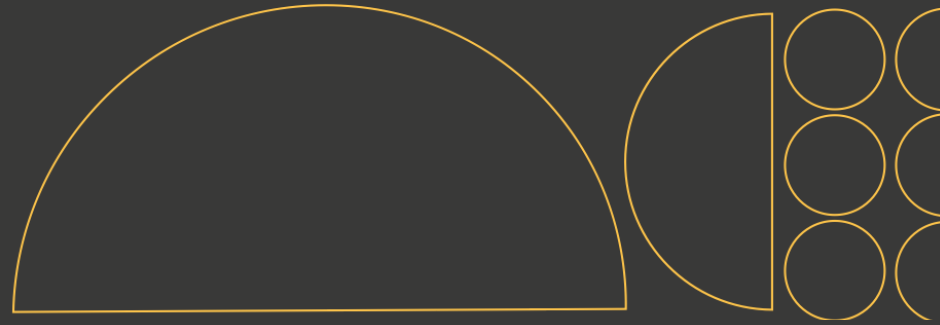
Jorge Macías (Univ. Málaga)

Rui Ferreira (CERIS- Univ. Lisbon)





# Thank you and be proactive!



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