

# Fibre Optic Sensing in Geosciences

Second edition : 31 August-4 September 2026

Aussois, France



Centre Paul Langevin 24, rue du Coin 73500 Aussois, France

## Aims and Scope

The "Fibre Optic Sensing in Geosciences" conference aims to bring together all communities involved in developing or using fibre-optic sensing in geosciences—geoscientists, photonics specialists, instrument manufacturers and network providers. It aims to deepen our understanding of the Earth system and demonstrate how these emerging sensing technologies can significantly enhance the safety and resilience of modern societies.

## Program

The conference includes half a day of training sessions on data analysis tools, five scientific sessions and a field trip. The sessions will address the topics:

1. **Fiber optic sensing: New developments and instrumentation**
2. **Toward real-time monitoring**
3. **New frontiers using fibre sensing: from laboratories to space**
4. **Sensing natural environments**
5. **Urban society with fibre sensing**

## Schedule

**August 31:** arrival; training sessions (afternoon), Ice breaker (evening)

**September 1:** sessions 1 and 2

**September 2:** session 3 and 4; Social dinner

**September 3:** session 5; "Ask me Anything" session; wrap-up session

**September 4:** field trip

**September 5:** departure

## Organizing Committee

Jean-Philippe Métaixian (IPGP, IRD, France)  
 Eléonore Stutzmann (IPGP, France)  
 Gilda Currenti (INGV, Italy)  
 Veronica Rodriguez Tribaldos (GFZ Germany; ECS)  
 Philippe Jousset (GFZ, Germany)  
 Shane Murphy (IFREMER, France)  
 Miguel Gonzalez-Herraez (IO-CSIC, Spain)  
 Paul-Eric Pottier (OP-PSL, SU, UL, LNE and CNRS)  
 Regina Maas (ECS; DIAS; Ireland)

Sergio Diaz-Meza (ECS; GFZ; Germany)  
 Francesco Biagioli (ECS; Florence University, Italy)  
 Alister Trabatttoni (ECS; Université Côte d'Azur; France)  
 Cecilia Clivati (InRIM; Italy)  
 Arantza Ugalde (ICM-CSIC; Spain)  
 Evgeniia Martuganova (Delft University of Technology, Netherlands)

## Contacts

Jean-Philippe Métaixian: [metaxian@ipgp.fr](mailto:metaxian@ipgp.fr)  
 Eléonore Stutzmann: [stutz@ipgp.fr](mailto:stutz@ipgp.fr)