

Open Science is reshaping how scientific research is conducted, communicated, and reused, with particular relevance in fields such as particle physics, astroparticle physics, and nuclear physics. The growing emphasis on transparency, reproducibility, and accessibility calls for not only open data but also sustainable software practices and robust research infrastructures that align with the FAIR (Findable, Accessible, Interoperable, Reusable) principles.

This round table will bring together key experts to discuss current initiatives and future directions in Open Science and Data. Sabine Crépe-Renaudin (Déléguée Scientifique IN2P3/CNRS) will provide an overview of national and European strategies supporting Open Science, with a focus on infrastructure and policy. Kati Lassila-Perini (CERN) will present HEP efforts in data preservation, Open Data, and the practical challenges of long-term reusability. Bruno Khelifi (APC/Université Paris Cité) will discuss the role of community-driven initiatives in astroparticle physics, including the use of shared tools and open software in large-scale collaborations like HESS and CTA. Adrien Matta (LPC Caen) will present insights from the nuclear physics community, where the adoption of FAIR principles is gaining momentum.

The discussion will highlight the critical role of scientific software—not only as a tool for data analysis but as a research output in its own right—and the need for guidelines, incentives, and training to ensure its openness and sustainability. Panelists will also address how shared infrastructures, data stewardship frameworks, and coordinated community practices can facilitate the broader adoption of Open Science across domains. The session aims to foster dialogue around cultural and technical shifts needed to make Open Science the default approach in the coming decade.

The round table will be animated by Antoine Lemasson (GANIL) and Olivier Lopez (LPC Caen).