

ISIFoR became a certified Carnot institute in 2011, and federates academic research focused on subsurface-related energy and environmental stakes in southwest France. The synergy between its 11 laboratories is a strong and distinctive asset on the international scene. In the context of the current climate change and environmental crisis that has become a major challenge for our society, ISIFoR is here to offer you support in your R&D and innovation projects related to the energy transition.

[www.carnot-isifor.eu](http://www.carnot-isifor.eu)

## ISIFoR SUPPORTS YOU IN YOUR R&D PROJECTS FOCUSED ON SUBSURFACE ENERGY AND ENVIRONMENTAL CHALLENGES

### An ecosystem of competences dedicated to georesources

With almost 800 researchers (FTEs) in 11 laboratories, and a seven-strong operational team, ISIFoR has become a force to be reckoned with in its field of study owing to the many attributes of a region actively involved, and long-since recognised as a leader, in the extraction of georesources.

ISIFoR also relies on its parent institutions: the University of Pau and the Adour region, the National Polytechnic Institute of Toulouse, the University of Toulouse III Paul Sabatier, the University of Bordeaux Montaigne, the National Polytechnic Institute of Bordeaux, the CNRS, the IRD and the CNES.

Its knowledge of scientific disciplines (geochemistry, analytical sciences and physical-chemistry, microbiology, materials science, fluid mechanics, geosciences, mathematics, engineering sciences and social and legal sciences) applied to the specificities of the subsurface and of complex fluids, in association with a world-class network of instrumental platforms enabling it to cover an extensive range of competences, all contribute to making ISIFoR a key player in national and international research.

### Key markets

- Energy
- Environment
- Natural resources

### Competences

- Geosciences
- Engineering sciences
- Mathematics
- Chemistry
- Social sciences



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## Research turned towards businesses

ISIFoR's objective is to foster development by encouraging businesses to innovate on mature markets such as oil and natural gas, as well as on new markets like underground energy storage, green gases (hydrogen, biomethane), the management of multi-energy grids, geothermal energy, and so on. To meet this objective, the ISIFoR Carnot institute is building sustainable contractual relationships with industrial partners through common theses, long-term partnerships (joint laboratories, Chairs), and actions more specifically focused on SME and ISE for example.

## ISIFoR and the challenge of the energy transition

Georesources and their players are expected to play a decisive role in the energy transition – a gradual and complex process that will be characterised by the diversification of energy sources. The ISIFoR Carnot institute has adopted a key position at the heart of subsurface energy and environmental challenges through two strategic focuses:

- improving the environmental performance of georesource production processes,
- promoting the energy and ecological transition (by developing decarbonisation).

It also intends to be more proactive in taking into account the contributions of human and social sciences and to give priority to ensuring the social acceptability of innovations within the global framework of the energy transition.

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## Key figures

**Permanent staff**  
(full-time equivalent): 399  
**PhD Students:** 368

**Partnership incomes with industry:** €9,3M  
**Global budget:** €64,2M

## Contacts

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