

(1) **Dr. Anaïs Cario (PhD)**

Research Engineer, Supercritical Fluids Group, Institute of
Condensed Matter Chemistry of Bordeaux, CNRS

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Biography

Anaïs Cario is a High-Pressure geo-microbiologist. She is interested in the eco-physiology of deep-biosphere microorganisms. In the lab, she mimics the deep-biosphere environments in order to elucidate the biological strategies of microorganisms living in high-pressure environments.

She obtained her PhD in 2013 at the University of Lyon, France, under the supervision of Dr. Phil Oger (Lab of Earth and Environmental Sciences). She worked then as a postdoctoral researcher in Dr. Karyn L. Rogers' lab at RPI (Habitability and Extreme Life Laboratory, Rensselaer Polytechnic Institute, Troy NY, USA).

She joined the project BIG MAC in November 2017 as a Research Engineer. Her work focuses mostly on the biological part of the project. Her goal is to better understand the mechanisms associated with the bioconversion of CO₂ (i.e. methanogenesis process) in deep aquifers. In this purpose, she is growing and studying methanogens using the microfluidic tools (Geological Labs on Chips – GloCs) to reproduce the in situ geological environments (i.e. pore scale, high pressure & high temperature conditions).

(2) **Mr. Didier Bonijoly**

Deputy Director, Georesources Division, BRGM

Email : d.bonijoly@brgm.fr



Biography

Didier Bonijoly is a geologist with 37 years' experience, working in both basin geology, structural geology and geophysics.

- 2009: He is Head of the Geology division at BRGM, managing 87 engineers and technicians where it is responsible for development of national and international programs.

Main domains of activities - geology: mapping surveys, geological studies, geological data management - geophysics (magnetism, gravimetry, radiometry): data management, airborne surveys - geostatistics and geological 3D modeling.

- He was appointed as Deputy director of the Georesources division in 2012, a major component of BRGM, the French Geological Survey, that leads multi-disciplinary studies necessary for underground resources development in order:
 - o to secure raw mineral supplies
 - o to develop geothermal production and energy storage,
 - o to acquire geological data and to develop knowledge for the development of territories.

He participates as French technical advisor to the French ministry of Environment and Sustainable Development, at the EU “ad hoc technical WG on environmental aspects of unconventional fossil fuels”. He is Co-author of the report “Management of impacts and risks associated with the exploitation of unconventional fossil fuels” (for the Ministry of Sustainable Development).

From 2005 to 2013, he coordinates the BRGM R&D activities on CO2 storage demo in France and he is, for this reason, BRGM representative at the “Club CO2”.

He participates to many organizations:

- ClubCO2: President of the Association "Club CO2",
- (www.captage-stockage-valorisation-co2.en/)
- CSLF: Technical Group National delegate (www.csforum.org)

- IEA-WPFF: National delegate
(www.iea.org/aboutus/standinggroupsandcommittees/cert/wpff/)
- EU Information Exchange working Group (EU-IEG) for the implementation of the CO2 storage directive: National delegate
- French Environment & Energy Management Agency (ADEME): CCUS roadmap as task member,
- European Science and Technology Network on Unconventional Hydrocarbon Extraction - BRGM delegate.

In the CSLF technical group framework, he contributes to define standards proposals for the CO2 geological storage capacities assessment and lead a task force dedicated to “Safety and integrity” (2009).

He was the representative of France at the G8-IEA-CSLF meetings, i.e. the working group "Near-term opportunities for carbon captures and storage", in charge of the recommendations definition relating to the capture and the storage of CO2. These recommendations were addressed to the G8 governments (preparation of the Hokkaido meeting, Japan, July 2008).

(3) **Dr. Florence Delprat-Jannaud**

Program Manager, Energy Resources Business Unit–

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Skills and Expertise

Tectonics / Energy / Exploration Geophysics / Wave Propagation / Seismics /
Geodynamics / Research And Development / Geophysics

Work Experiences

2017 – Present : Responsable des programmes Réservoirs / Sous-sol pour les
nouvelles technologies de l'énergie

Education

1984 – 1988 : Ecole Normale Supérieure de Cachan — Physics department

1988 – 1991 : Université Paris Sud (Paris XI) — PhD Thesis, Physics - Earth
Sciences

Biography

Florence DELPRAT-JANNAUD is graduated from the Ecole Normale Supérieure de Cachan and holds a PhD in Earth Sciences from the University of Paris XI. Physicist by training, Florence began her career at IFPEN in geophysics developing expertise in seismic imaging: velocity field estimation, complex structures imaging, inversion of surface seismic data, wells ...

She has coordinated research projects, covering transverse fields in geosciences, including geological storage of CO₂ since 2009. She received the Stars of Europe 2014 award for the coordination of the European SiteChar project dedicated to the characterization of CO₂ storage sites. She was also Director of the Paris Region Geosciences Interest Group, a network of institutions in Earth Sciences and Digital Sciences in the field of energy, resources and the environment.

Florence is now Program Manager at IFPEN's Energy Resources Results Center. She is in charge of programs dedicated to CO2 capture and geological storage as well as the management of the subsoil for new energy technologies.

