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2 minutes of reading



Events

Innovation and Industry

Responsible oil and gas

Geosciences



15 - 18 November 2021



From 15 to 18 November 2021 will be held the new edition of the [Abu Dhabi International Petroleum Exhibition and Conference \(ADIPEC\)](#), one of the world's largest, most important and influential oil and gas events.

IFPEN will present its offer in the domains of:

- **Climate, Environment & Circular Economy:** CCUS and negative emissions, industrial & environmental monitoring, soil/climate interactions, water cycle, micro plastics in environment.
- **Renewable energies:** Wind, geothermal energies, hydrogen, energy storage
- **Responsible oil and gas:** subsurface characterization, EOR & IOR, offshore drilling and production, asset decarbonation.

> For more information on ADIPEC 2021

Come visit us on French Pavillon booth 9352

**IFPEN JIPS**

### BELUGA

Compliant water treatment technology for making EOR an operational success




**The main objective**  
is to complete the development of an EOR polymer compliant hydrocyclone, based on turbulators and taking into account the inputs of end-users concerning produced water properties.

The program aims at optimizing and validating the technology:

- at lab scale: phase 1
- on a pilot flowloop located at IFPEN's premises: phase 2
- up to demonstration on Partners' field sites with an hydrocyclone skid provided by SUEZ: phase 3


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**IFPEN JIPS**

### CARBONATE

Carbonate reservoirs quantitative characterization & modeling workflows: application on mature fields for CO<sub>2</sub> storage




**The main objective**  
is to improve the quantitative assessment of the fluid flow properties in carbonate reservoirs that are influenced by diagenesis and/or would be influenced by fluid-rock interactions, through the development of novel approaches (beyond the state of the art), laboratory experiments as well as digital and numerical solutions.

The program aims at:

- MULTISCALE DIAGENETIC ROCK-TYPING** - to produce all necessary data to build static reservoir models that honour diagenesis and its impact on flow properties.
- ADVANCED RESERVOIR MODELING** - to provide numerical solutions for dynamic reservoir modeling with multi-scenarios approach, including key diagenetic processes impact on flow properties.

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**IFPEN JIPS**

### FUGACITY 2

H<sub>2</sub> corrosion




**The main objective**  
is to study the influence of H<sub>2</sub> fugacity on Sulfide Stress Cracking (SSC) resistance of carbon steels, and improve the corresponding qualification procedures.

After completion of Fugacity 1, the program now aims at studying:

- the impact of conditions of material qualification tests on the hydrogen diffusion and cracking
- the representativeness of tests for high pressure conditions carried out at low pressure and for given fugacity
- the effect of fugacity at high H<sub>2</sub> concentrations and above the bubble point

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**IFPEN communities**

### TELLUS

Fostering digital transformation in geoscience and subsurface activities




**The main objective**  
is to explore the application of emergent digital technologies in subsurface industries, through practical use cases, a cross-disciplinary approach, and a community where companies can follow and drive innovation.

TELLUS community provides multiple benefits for a cost-effective subscription:

- a portfolio of demonstration projects to address concrete use cases
- global competitive intelligence to follow initiatives across industries
- frequent workshops to drive innovation from your business needs
- privileged access to IFPEN experts to launch bilateral R&D partnerships

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IFPEN at ADIPEC 2021 at Abu Dhabi  
17 September 2021

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