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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.

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

Contact
Project leader - Myriam DUBOURET
myriam.dubouret@ifpen.fr
Tel: +33 4 37 76 12 10

www.ifpen.com

IFPEN JIPS

CARBONATE

Carbonate reservoirs quantitative characterization & modeling workflows: application on mature fields for CO₂ 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.

Contact
Project leader - Paul RADER
paul.rader@ifpen.fr
Tel: +33 1 67 52 76 57

www.ifpen.com

IFPEN JIPS

FUGACITY 2

H₂ corrosion




The main objective
is to study the influence of H₂ 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 H₂ concentrations and above the bubble point

Contact
Project leader - Jean POTTEL
jean.pottel@ifpen.fr
Tel: +33 4 37 76 12 83

www.ifpen.com

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

Contact
Project leader - Arnoine BOUZAT
arnoine.bouzat@ifpen.fr
Tel: +33 03 21 81 12 76
www.tellus-digital.net

www.ifpen.com

Link to the web page :