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2 minutes de lecture



Événements

Innovation et industrie

Hydrocarbures responsables

Géosciences



15 - 18 novembre 2021



La nouvelle édition de l'**Abu Dhabi International Petroleum Exhibition and Conference (ADIPEC)** se tiendra du 15 au 18 novembre 2021.

IFPEN présentera son offre dans les domaines :

- **Climat, Environnement & Economie circulaire** : CCUS et émissions négatives, surveillance industrielle et environnementale, interactions sol/climat, cycle de l'eau, microplastiques dans l'environnement.
- **Energies renouvelables** : Energies éolienne et géothermique, hydrogène, stockage de l'énergie.

- **Hydrocarbures responsables** : caractérisation et modélisation du sous-sol, EOR et IOR, forage et production en mer.

Plus d'information sur [ADIPEC 2021](#).

Retrouvez nous sur le Pavillon Français, **stand 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 workflow: 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 DIAGNETIC 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

H₂ corrosion



The main objective
Is to study the influence of H₂S 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 H₂S 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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