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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**

### IPFEN 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 floating located at IPFEN's premises - phase 2
- up to demonstration on Partners' field sites with an hydrocyclone skid provided by SUEZ - phase 3

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### IPFEN 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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### IPFEN JIPS

#### FUGACITY 2

H<sub>2</sub> corrosion



**The main objective**  
is to study the influence of H<sub>2</sub>S 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>S concentrations and above the bubble point

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### IPFEN 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 IPFEN experts to launch bilateral R&D partnerships

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