



**TOGSE 2026**

Accelerating transition  
from conventional to  
sustainable energy

المؤتمر والمعرض الثاني لتقنيات النفط والغاز والطاقة المستدامة

The 2<sup>nd</sup> International Conference and Exhibition on  
Technology of oil, Gas and Sustainable Energy

**First**  
Announcement

**21-23**  
November **2026**

**Fezzan**

**2026**

Organized by



National Oil Corporation  
Petroleum Research Center

Supported by



In Cooperation with



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C A D R E

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## UPSTREAM (EXPLORATION & PRODUCTION)

- Regional Geology and Tectonic Evolution
- Basin Analysis and Petroleum Systems Modeling
- Unconventional Hydrocarbon Plays
- Sedimentology, Stratigraphy and Reservoir Characteristics
- Potential Fields (Gravity & Magnetic)
- Seismic Acquisition, Processing, Imaging and Interpretation
- Geochemical Analysis and Techniques
- Reservoir Engineering
- Petrophysics & Rock Analysis
- Reservoir Characterization
- Reservoir Management & Uncertainty
- Drilling & Completion Technologies
- Production Optimization
- New Developments in Enhanced Oil Recovery (EOR)

## MIDSTREAM

- Pipeline Systems and Transportation Networks
- Flow Assurance and Multiphase Transportation
- Gas Processing and Compression Systems
- Storage and Export Terminals
- Safety, Risk Management, and Asset Integrity

## SUSTAINABLE ENERGY

- Solar Energy
- Hybrid Systems
- Integration with Oil & Gas
- Energy Efficiency
- Green Hydrogen
- Energy Storage
- Energy Transition
- Energy Management

# Conference Tracks & Topics



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## DOWNSTREAM INDUSTRY

- Modern Technologies in Oil Refining Processes
- Future Challenges in the Refining Industry
- Process Intensification in Petroleum Refineries
- Advanced Process Control and Optimization in Refining
- Advanced fuel blending optimization
- Oilfield Chemicals for Production Optimization
- Corrosion and Scale Inhibition in Oil and Gas Systems
- Fuels and Fuel Additives Development
- Crude-to-chemicals technologies
- Integration of refining and petrochemical complexes
- Gas Flaring Reduction and Gas Recovery Technologies
- Catalytic Processes in Petroleum and Petrochemical Industries
- Catalyst Design for Sustainable Energy Systems
- Advanced Separation Techniques in Oil and Gas Processing
- Carbon Capture, Utilization, and Storage (CCUS)
- Water Treatment and Produced Water Management
- Process Modeling and Simulation in Oil & Gas Systems

## ENVIRONMENT & CLIMATE

- Methane Emissions, Air Quality & Advanced Emissions Monitoring
- Decarbonization Pathways, GHG Accounting, Measurement & MRV Systems
- Carbon Capture, Utilization, Storage & Removal (CCUS)
- Water Sustainability (Water Quality, Produced Water & Industrial Water Management)
- Climate Change Impact, Risk Assessment & Adaptation Strategies
- Environmental Impact Assessment (EIA), ESG & Regulatory Compliance
- Site Rehabilitation, Ecosystem Restoration & Soil Remediation
- Renewable Energy Integration, Green Energy, Energy Efficiency & Low-Carbon Technologies

## DIGITALIZATION & AI

- Energy Efficiency & Digitalization
- Digital Transformation
- Artificial Intelligence
- Data Analytics
- Digital Twin
- IoT in Oil & Gas
- Process Automation
- Risk Modeling
- Cybersecurity
- Decision Support Systems
- Advanced Simulation





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## Introduction

Oil and gas continue to play a major role in the global energy mix. However, increasing environmental concerns have highlighted the need to improve resource efficiency, reduce emissions, and advance sustainable energy solutions. In this context, TOGSE 2026 focuses on integrating conventional and sustainable energy approaches, promoting innovation and technology development, and addressing current and future energy challenges in a more sustainable and resilient manner.

## OBJECTIVE

TOGSE 2026 aims to provide a scientific and technical platform that brings together institutions, companies, researchers, and experts to exchange knowledge and practical experience across the energy sector. The conference promotes the integration of oil, gas, sustainable energy, environment, and digital technologies, while encouraging innovative and applicable solutions that support efficient resource utilization, emission reduction, and sustainable development in Libya and beyond.

**UPSTREAM**  
EXPLORATION  
& PRODUCTION

**DOWNSTREAM**  
INDUSTRY

**MIDSTREAM**

**ENVIRONMENT  
& CLIMATE**

**SUSTAINABLE  
ENERGY**

**DIGITALIZATION  
& AI**



**Fezzan  
Libya**

## Call For Papers

Extended Abstract submission (Oral and Poster) Opens

**April 23, 2026**

Extended Abstract submission closing date (Oral and Poster)

**June 30, 2026**

Conference Preparatory Committee

[occ@togse.ly](mailto:occ@togse.ly)

Scientific Committee Secretariat

