



TESC 2026
TURKMEN ENERGY SCIENTIFIC CONFERENCE

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**ENVIRONMENTAL ASPECTS OF
IMPLEMENTING INNOVATIVE
TECHNOLOGIES IN THE
DEVELOPMENT OF
HYDROCARBON FIELDS**



**AGENDA
24.03.2026**



ORGANISERS



CO-ORGANISER



KNOWLEDGE PARTNER



TECHNICAL PARTNER

For more information: www.tesc-turkmenistan.com



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Shams Al Yum



TURKMENPORTAL



Ain Al-Alam News



Gulf Tourism Journal



Future News Agency (Al-Mustaqbal)



Mejaleteln

رئيس مجلس الإدارة
أبراهيم عبدالدايم



Akher Al-Ahdath Newspaper.



حق المعرفة

Elghad_Newspaper



MEDIA PARTNERS



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**ENVIRONMENTAL ASPECTS OF
IMPLEMENTING INNOVATIVE
TECHNOLOGIES IN THE DEVELOPMENT
OF HYDROCARBON FIELDS**

**4-5 June,
2026**

**Venue: Scientific Research Institute of
Natural Gas of the SC "Turkmengas",
Archabil Avenue, 58**

**Ashgabat,
Turkmenistan**

PRE-CONFERENCE DAY

Thursday, 4 June, 2026

10:00 – 16:00

Delegate Registration in the Foyer of the Scientific Research Institute of Natural Gas of the State Concern "Turkmengas"

10:30 – 12:00

UN Pre-Conference Round Table: Advancing National Capacity and Policy Frameworks for a Sustainable Energy Transition

MODERATOR

Pending



SPEAKERS

This high-level round table will focus on strengthening national policy frameworks, institutional capacity, and international cooperation mechanisms to support Turkmenistan's transition towards sustainable, resilient, and environmentally responsible energy systems.

- National strategies for energy transition and climate resilience
- Role of international organisations in capacity building
- Climate finance and technical assistance mechanisms
- Integration of environmental standards into energy systems
- Regional cooperation and UN-supported initiatives

15:00 – 16:30

SPE-Conference Round Table: Enhancing Hydrocarbon Production through Advanced Technologies and Digital Solutions

MODERATOR

Pending



SPEAKERS

This technical round table will explore innovative approaches to maximising hydrocarbon recovery and operational efficiency through digitalisation, advanced reservoir management, and applied technologies.

- Increasing recovery rates in mature and complex fields
- Application of AI, data analytics, and digital oilfield solutions
- Reservoir optimisation and production performance
- Cost efficiency and operational excellence
- International case studies and best practices

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Friday, 5 June, 2026

09:30 – 10:30

TOPIC



SPEAKERS

Session 1

ENERGY TRANSITION AND TECHNOLOGY INNOVATION: BALANCING GROWTH AND ENVIRONMENTAL RESPONSIBILITY

The global energy sector is undergoing rapid transformation driven by technological innovation, environmental requirements, and evolving market dynamics. This session will examine how hydrocarbon development, emerging technologies, and sustainability objectives can be aligned within a balanced energy transition framework.

- Global energy outlook and evolving role of hydrocarbons
- Integration of new energy technologies into existing systems
- Digitalisation and innovation in exploration and production
- Environmental impact management and mitigation strategies
- Role of natural gas in supporting energy transition
- Technology-driven efficiency improvements

MODERATOR

Pending

10:30 – 11:00

Coffee break

11:00 – 12:30

TOPIC



SPEAKERS

Session 2

HUMAN CAPITAL, INNOVATION AND ENVIRONMENTAL RESPONSIBILITY IN THE ENERGY SECTOR

Achieving environmental sustainability and operational excellence in the energy sector requires a highly skilled workforce, strong institutional capacity, and a culture of innovation. This session will focus on the role of human capital in addressing environmental challenges and supporting sustainable energy development.

- Methane emissions reduction: technologies and monitoring systems
- CO₂ emissions management across the energy value chain
- Safety culture and environmental awareness
- Role of education, universities, and research institutions
- Workforce development for sustainable energy systems
- Innovation, knowledge transfer, and technical training
- International collaboration in environmental and scientific research

MODERATOR

Pending

12:30-13:00

The Adoption of Final Document and closing remarks

13:00-14:00

Lunch at the Gul Zaman Banquet Hall

15:00 – 17:00

Pre-arranged meetings with the senior management of the Oil & Gas industry of Turkmenistan in Head Office of Oil & Gas Complex of Turkmenistan at 6th floor of Scientific Research Institute of Natural Gas of the State Concern "Turkmengas".