

LNGnet Training Course 8

Decarbonisation, gases and LNG

in co-operation with Institut National du Pétrole et du Gaz

Dakar, Senegal, 16-18 April 2024

Draft Programme

Course Director: Sergio Ascari, FSR

Course Co-Director: Ilaria Conti, FSR

Day 1: LNG & Decarbonisation: general framework

- Gas market and network regulatory models in the world (Sergio Ascari, FSR)
- The evolving role of natural gas in a decarbonising world and in the European Green Deal. Sector Coupling and Energy System Integration (Ilaria Conti, FSR)
- Facts and figures on the recent evolution of gas and LNG markets (Sergio Ascari, FSR)
- Issues in the development of the Hydrogen industry (Erik Rakhou, Boston Consulting Group – online guest speaker)
- Networking event

Day 2: New gas technologies and solutions for GHG emission reduction

- Generating and transporting renewable and decarbonised gases (power-to gas, pyrolysis, carbon capture and storage): potential and role in the energy transition (Ilaria Conti, FSR)
- The costs of greening the gas industry. Shipping LNG vs. Hydrogen (James Kneebone, FSR)

- Technological advancements and solution to decarbonise LNG (Rossella Palmieri, Baker Hughes, online guest speaker)
- Case study: The LNG industry of Senegal (Expert TBD, INPG)

Day 3: The market for green gases and curbing methane emissions

- Decarbonisation of energy intensive industries: Capturing new clean tech sectors (James Kneebone, FSR)
- Methane emissions in the LNG supply chain: state of the art and policy issues (Maria Olczak,)
- Case Study: collecting gas and cutting flaring in Nigeria (Peter Thompson, Baringa, online)
- Group work: Participants discuss, outline and present selected regulatory issues of gas market development in their countries.