

Welcome and introduction

Introduction to Agora and team building

Overview of programme and exercises*

WORKSTREAM 1: Demand for molecules by different applications

Industry: Limits to direct electrification, molecules as feedstocks, steelmaking and chemicals

Transport: Land-based, aviation, maritime

Power: Flexibility options for renewable energy systems, seasonal energy storage

Buildings: Heating and cooling, individual buildings vs. central solutions

WORKSTREAM 2: Production and delivery systems - Technologies and economics

Renewable energy as basis for green molecules

Hydrogen from other sources: Fossil fuels, nuclear power

Delivery systems for molecules: pipelines, shipping

Economics: Costs of molecules, grid-integration vs. isolated production

Please note that this draft programme may be subject to change.

*EXERCISE: The exercises will be gradually completed throughout the duration of the training. Participants will conduct a political economy analysis of the hydrogen and PtX debate in their countries, taking into consideration the underlying policy, technology and economic aspects.

WORKSTREAM 3: Policy frameworks, sustainability and trade

EESG frameworks: Environmental, economic, social and governance requirements

Existing sustainability standards: Public and private sector

Policy frameworks: Instruments for upscaling of technology deployment

Trade and geopolitics: Global potentials, future exports and imports of molecules

WORKSTREAM 4: Strategic communication

Message development and strategic communication

EXERCISES*

Exercise Workstream 1: Identification of hydrogen demand by sectors and national stakeholders, their market options and incentives, potential winners and losers of the transformation

Exercise Workstream 2: Identification of hydrogen production routes and key cost factors of molecule production and delivery

Exercise Workstream 3: Policy instruments and standards required for a sustainable PtX ramp-up within countries

Exercise Workstream 4: Developing and delivering key messages, identifying target audiences

Final presentations and farewell

Final presentations of exercises, lessons learned and take home messages

Feedback and farewell