PTX Training Workstreams

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

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

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.