



Green H₂ & Power to X Training

Training at a glance

The goal of this training is to provide a comprehensive overview of the entire green H₂ & PtX value chain and look at the opportunities of green H₂ & PtX in the future energy system. After this course, the participants will be qualified to realistically assess the potential for the production, application and, if necessary, export of green H₂ & PtX.

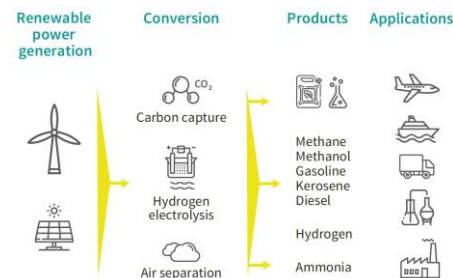
Recommended for

responsible and relevant staff, dealing with green H₂ & PtX topics, such as:

- Decision makers in ministries or staff of national green H₂ & PtX commissions
- Staff of public/private partner research institutes, energy federations and renewable energy agencies
- Staff of regulatory authorities and other relevant administrations
- Journalists and actors of civil society

Content

- Current developments
- Various production pathways
- Economics of green H₂ & PtX
- Techno-economic criteria on transportation and trade
- Development of green H₂ & PtX markets
- Future green H₂ & PtX pathways' and business case opportunities
- Sustainability criteria:
 - Economic
 - Environmental
 - Social
 - Governance
- Political and institutional framework: strategies and instruments
- Integration of green H₂ & PtX into Nationally Determined Contributions (NDCs)



For more details please contact
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Training Approach

Live facilitated sessions	Home assignments
<ul style="list-style-type: none">• Technical inputs & presentations• Critical evaluations• Case studies• Application of learning through practice including interactive methods• Peer learning and coaching during the application	<ul style="list-style-type: none">• Self-study• Application of learning through practice• Extensive Manual for follow-up

Learning objectives

- Understand key terminology, context and recent developments;
- Identify and differentiate production pathways;
- Develop technical and economical understanding;
- Identify and evaluate market opportunities (today/future);
- Frame and market opportunities green H₂ & PtX projects;
- Understand instruments to foster and regulate green H₂ & PtX developments;
- Acknowledge and evaluate the importance of sustainability criteria.

Learning period

Modular 2-day basic training with optional add-on modules:

- Instruction to the basics of green H₂ & PtX, including a region-specific transfer workshop
- Add-on modules, demand-oriented and tailored to the specific needs in the partner countries

Schedule

Courses expected to start mid-April 2021

Training fees

None

No. of participants

10-15 persons

Technical/IT requirements

Software – MS Teams, specific visualisation and exchange tools
Audio – Headset
Internet – Recommended to use LAN for a stable connection

Key activities of the International PtX Hub Berlin

- Integrate sustainable green H₂ & PtX into comprehensive climate strategies
- Tap green H₂ & PtX potential in partner countries
- Foster international exchange
- Build capacities in partner countries by generating knowledge

The International PtX Hub Berlin aims at creating a critical mass of well-versed people worldwide who have a high level of professional competence in the subject of green H₂ & PtX, are enthusiastic about green H₂ & PtX and convinced that mankind can maintain and expand its prosperity without fossil fuels.

Our funders and partners

giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

On behalf of:



of the Federal Republic of Germany