



Federal Foreign Office



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für Internationale
Zusammenarbeit (GIZ) GmbH

**HYDROGEN DIPLOMACY OFFICE ASTANA:
“WAYS FOR SUSTAINABLE HYDROGEN
PRODUCTION IN UZBEKISTAN”
INNOWEEK2023**

H2-diplo aims at supporting the global energy transition and the decarbonization of fossil fuels-based economies



Ongoing energy transition towards renewables



Fossil fuel export and transit countries face future decrease in demand



Advancing the global energy transition

Local economy diversification and value chain integration

Advancing global trade of green hydrogen

The *H2-diplo* programme overview



 H2 Offices  Other activities

Global Component

Berlin/Bonn

Programme Manager: Hendrik Meller

Partner: Federal Foreign Office



Nigeria

Abuja

Head: Gina Lagunes Diaz

Partner: Energy & Foreign Ministries



Angola

Luanda

Head: Vandr  Spellmeier (AHK)

Partner: Energy & Foreign Ministries



Additional activities

Punctual country support, e.g.,
via organization of symposia in
Ethiopia, Egypt, Costa Rica

Ukraine

Kyiv

Head: Rolf Behrndt

Partner: Foreign Ministry



Kazakhstan and CA

Astana

Head: Manuel Andresh

Partners: Energy & Foreign Ministry



Saudi Arabia

Riyadh

Head: Quentin Blommaert

Partner: Foreign Ministry



Oman

Mascat

Local Expert: Ruth Prelicz (AHK)

Partner: Foreign Ministry



We provide advice, conduct studies and facilitate international dialogue



Provide advisory services for **Federal Foreign Office** and for **German embassies**



Support **international dialogue on green H2**, with focus on fossil fuel exporting countries



Highlight **opportunities, challenges and risks of green H2** for industrial development as well as economic growth and resilience



Further exchange on **Germany's, the EU's and global decarbonization strategies and promotion schemes**

Methodology

- Establishment of **hydrogen diplomacy offices**
- Implementation of **symposia, trainings and dialogue events** with public and private actors
- Conducting **studies** on global as well as regional level

Hydrogen Diplomacy Office Astana Cooperation



Source: The Astana Times, Aida Hadar: Germany to Open Hydrogen Diplomacy Office in Kazakhstan, Says Foreign Minister Baerbock During Her Visit to Astana, 21 October 2022

- Support the **international dialogue on green H2** between Kazakhstan and Germany, with expansion towards EU and Central Asia
- International **alignment** on standards, regulations and geopolitical aspects with EU / Germany

Exchange platform for international cooperation on green hydrogen (Hydrogen Diplomacy)

Hydrogen Diplomacy Office Astana

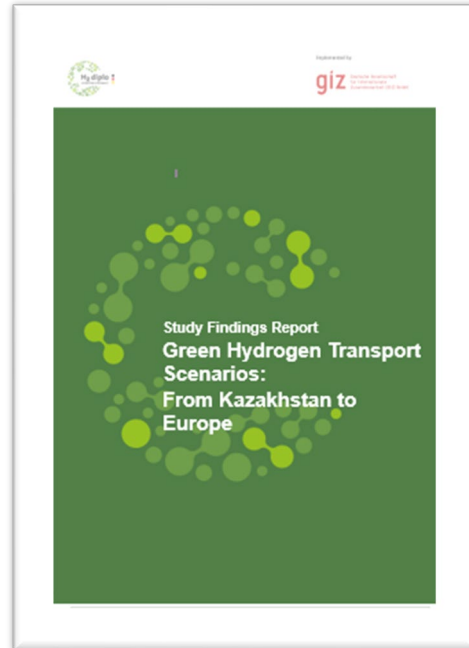
Capacity Development



- Tailored **trainings** for policy- and decision-makers on green hydrogen
- Support of **educational programs**, providing content and experts for study programs and multipliers (**Training of trainers**)
- **Study tours** which provide experiences from Germany and strengthen international partnerships

Raising awareness and knowledge on green hydrogen

Hydrogen Diplomacy Office Astana Advisory



- **Options** and **costs** of green hydrogen **transport** from Kazakhstan to the EU (Study will be published soon)
- Application of green hydrogen in **domestic economy** – Contribution to **economic diversification** and **climate goals** (in preparation phase)

Support with and research on geopolitical and economic topics for developing green hydrogen in Central Asia

Hydrogen Diplomacy Office Astana

Cooperation potential with Uzbekistan



Joint **dialogue events** and participation for **regional discussions** and **alignment**

Consideration of **Uzbek** perspectives and topics in **studies** and **advisory**

International exchange on green hydrogen

Thank you !

**For any questions, please contact the
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