



Bundesministerium
für Wirtschaft
und Energie



Funding Guideline for International Hydrogen Projects

Funding Instruments



Funding guideline for international cooperation projects – jointly with BMBF

Objective:



- Strengthening of **international cooperation** and the build-up of a global green hydrogen market.
- Establishment of facilities for production of green H2 and derivatives, for storage, transport and integrated application of H2 outside the EU/EFTA. Additionally accompanying research projects and academic and vocational training.



Type and amount of funding:

- Non-repayable grants as partial funding, between 25-45% of fundable costs, but higher for SMEs.
- Maximum amount of funding **15 million euros per applicant & project.**



Procedure:

- Funding applications/projects should be able to be submitted to PTJ: ptj-modul1-h2int@fz-juelich.de
- The first step is the hand-in of project drafts (next round until 31.12.2021; last round until 28.02.2022)

Type and amount of funding: non-repayable grants on a pro-rata basis – Module I

GBER Art.	Eligible costs	Amount	
Art. 25 Research, development and innovation	Personnel costs, costs of instruments, equipment, buildings, land, contract research Additional overheads and other operating costs	25% of the eligible costs	Medium-sized enterprise + 10 percentage points; Small enterprise + 20 percentage points;
Art. 36 Funding for environmental protection	Cost of an investment in environmental protection as a separate investment OR Difference between the cost of an investment in environmental protection and a similar less environmentally friendly investment	40% of the eligible costs	Maximum funding amount of €15 million per applicant and project
Art. 41 GBER Funding of renewable energy	Cost of an investment in renewable energy generation as a separate investment OR Difference in cost compared with a less environmentally friendly investment OR total investment cost of projects seeking to increase the level of environmental protection (small-scale projects)	30 to 45% of eligible investment costs	

Funding object – Module I

Funding object	Examples	Funding purpose
Electrolysis	Installation of electrolyzers (for example for PEM electrolysis, alkaline electrolysis, high-temperature electrolysis, TRG 7-9)	Production of hydrogen from renewable energy, testing of innovative generation technologies
Hydrogen storage	Exploration and preparation of storage infrastructure, installation of hydrogen tanks, processing plants, ancillary components (for example for compressed hydrogen storage, liquid hydrogen storage, absorption, metal hydrides, LOHC; chemical storage)	Temporary storage of renewable hydrogen, testing of new types of storage technology
Hydrogen processing	Converting hydrogen into chemical base substances or synthetic fuels (e.g. ammonia, air capture plants, e-fuel for aviation, e-diesel, methanol)	Provision of hydrogen derivatives for certain consumer technologies, testing of innovative processes
Transport/ infrastructure	Installation of facilities and infrastructure for loading and unloading H ₂ and H ₂ carriers for all types of transport (e.g. liquid hydrogen, ammonia, LOHC)	Transport of hydrogen and its derivatives to final costumers, testing of innovative transport options
Use	Processes in the steel and chemical industry, applications in maritime transport, aviation and fuel cells	Greenhouse gas reduction thanks to the use of climate-neutral hydrogen
Integrated projects	Renewable energy + electrolyzers + processing into derivatives + transport + use	All aforementioned purposes depending on the funding object and synergies between individual process steps

Funding Instruments



Funding guideline for international cooperation projects (I)

Central eligibility requirements (this list is not exhaustive)



- **Headquarters in the EU and establishment or branch in Germany** at the time of payment of the grant. In **consortia, more than 51% of value** has to be created by such companies.
- Usage obligation: Plants must be used according to funding purpose for at least 3 years.
- Project implementation must be **economically infeasible** without funding.
- The application must be handed in and approved **before the start of the project**, only planning steps can be taken in advance, but cannot be funded through the guideline.
- Proof of **pre-development status** indicating feasibility and declaration of intent with local partners.
- Electricity used must generate **incentives for additional renewable energy investment** and must not hinder the local energy transition or electricity supply.
- Sustainability of water supply, local labor standards must at least meet relevant ILO standards
- Carbon used has to originate from air capture or from biogenic CO₂ / capture of process-related industrial emissions that cannot be avoided.

Contact

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www.ptj.de

<https://www.ptj.de/en/project-funding/international-hydrogen-projects-bmwi-module-1>

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