



Federal Ministry  
for the Environment, Nature Conservation  
and Nuclear Safety

# The BMU Export Initiative for Green Technologies

environmental protection *Made in Germany*

## EXI – How green technology *Made in Germany* can support environmentally beneficial infrastructure across the globe

The Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU) has supported German green technology companies with its funding programme Export Initiative for Green Technologies (EX) since 2016. The initiative aims to assist in particular SMEs in rolling out their innovations, products and services to international markets.

The advantages of modern and efficient technologies that conserve resources are not limited to furthering growth and innovation. They also contribute to raising environmental standards, spreading environmental knowledge and improving ecological foundations and living conditions at local level in the long run.

### How does the BMU EXI specifically support technological and innovative solutions?

The funding programme addresses the global demand for German expertise, products and services in the green technology sector (see [GreenTech Made in Germany 2021 - Environmental Technology Atlas for Germany](#)). It supports needs-based projects that are tailored to specific needs and that have an impact in target regions, facilitating the necessary legal, political and administrative conditions for environmentally beneficial development and harnessing the economic and social potential of environmental technologies and resource efficiency. These support activities can lay the foundation for market roll-out and help to build sustainable partnerships.



## BMU EXI overview\*

> 140  
projects supported

> 65  
organisations involved worldwide

projects in more than 71 countries

funding volume of around  
45 million  
euros

\*As at May 2021

# Priority areas: Guide to a sustainable future

The Export Initiative for Green Technologies prioritises knowledge and technology transfer, in particular in the Environment Ministry's areas of expertise. These areas include water and wastewater management, circular economy, waste management, resource management, resource efficiency, environmental management, sustainable consumption, environmentally friendly mobility solutions, sustainable urban and regional development, green hydrogen and fuel cell technologies and innovative cross-application technologies. The initiative is currently focusing on the following four priority areas.

**Sustainable urban and regional development:**  
urbanisation and supply

**Hydrogen and fuel cell technologies:** decentralised electricity supply and renewable energies

**Sustainable consumption:**  
fairtrade and consumer behaviour

**Circular economy and resource efficiency:** innovative recycling strategies and producer responsibility

**Water:** water supply and wastewater management

**Cross-sectional technologies:** management and monitoring

**Mobility:** sustainable transport strategies and clean air





## Focus: Circular economy, waste and resource management, resource efficiency

In addition to waste prevention, the efficient use of resources and sustainable waste management are crucial factors in reducing environmental pollution and impacts. Innovative circular economy concepts such as schemes with extended producer responsibility (EPR) contribute to reaching environmental and climate goals, saving resources and increasing locally added value.

### **EcoLu: Recyclables collection in Angola**

Professional waste management requires not only the right technical equipment, but also economical and reliable transport logistics for recycling processes. The EcoLu project demonstrates how this can be accomplished.

### **More information:**

[www.exportinitiative-umweltschutz.de/de/projekte/ecolu](http://www.exportinitiative-umweltschutz.de/de/projekte/ecolu) (in German)  
[www.ecopontes.com](http://www.ecopontes.com)

### **AHK Chile H2: Green hydrogen for electricity supply in Chile**

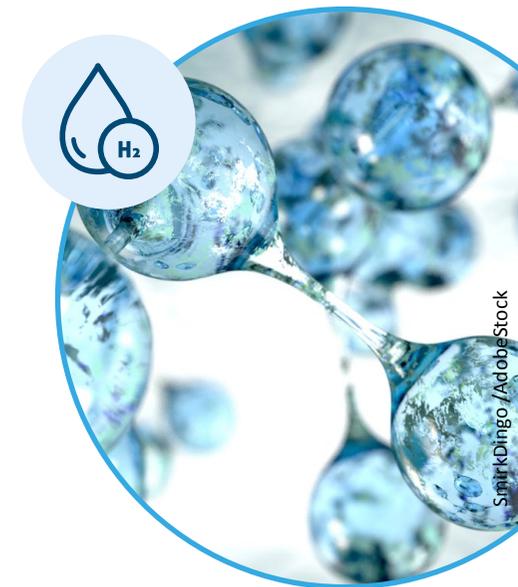
In regions not connected to the central power grid, electricity is often produced with diesel generators – to the detriment of the environment. The study explores the potential of alternative technologies based on green hydrogen and renewable energies.

### **More information (in German):**

[www.exportinitiative-umweltschutz.de/de/projekte/ahk-chile-h2](http://www.exportinitiative-umweltschutz.de/de/projekte/ahk-chile-h2)

## Focus: Green hydrogen and fuel cell technologies

Decentralised grids and tailor-made solutions can make important contributions to a reliable supply of energy with electricity from renewable sources for the population in rural and urban areas in the long term. Hydrogen and fuel cell technologies that ensure electricity supply with solar or wind power could replace environmentally harmful diesel generators and provide cost-effective and robust alternatives for many areas of application such as mobile communications and emergency power supply.





## Focus: Environmentally beneficial and sustainable mobility solutions

Climate gases, air pollutants, noise, land use and resource consumption pose great global challenges for climate action and environmental protection. Owing to the ever-increasing expansion of traffic and transport, it is imperative to develop and implement mobility solutions that counteract energy consumption and greenhouse gas emissions. It is for this reasons that the Export Initiative for Green Technologies promotes projects for the development of sustainable strategies for transport and mobility such as local solutions for logistics and air pollution control.

### **MoNaL: Sustainable mobility solutions in Sub-Saharan Africa**

Rental cars instead of ownership, smart grids to supply electricity to e-vehicles and vehicle recycling: the pilot project in Ghana incorporates and implements sustainable mobility from start to finish.

### **More information (in German):**

[www.exportinitiative-umweltschutz.de/de/projekte/monal](http://www.exportinitiative-umweltschutz.de/de/projekte/monal)

### **AQUA-Hub: Smart water monitoring in India**

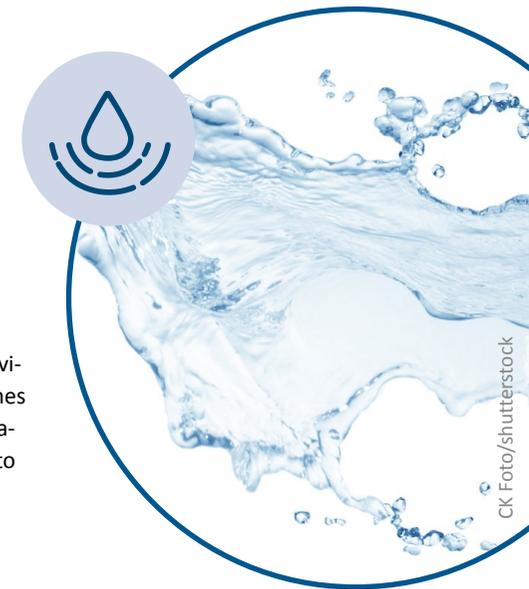
Water scarcity, inadequate wastewater treatment and lack of access to technological solutions are challenges in many regions of India. Aqua-Hub identifies needs and facilitates pilot measures to implement solutions.

### **More information (in German):**

[www.exportinitiative-umweltschutz.de/de/projekte/aqua-hub](http://www.exportinitiative-umweltschutz.de/de/projekte/aqua-hub)  
[www.igb.fraunhofer.de/de/presse-medien/presse-informationen/2021/aqua-hub-fraunhofer-igb-unterstuetzt-markterschliessung-in-indien.html](http://www.igb.fraunhofer.de/de/presse-medien/presse-informationen/2021/aqua-hub-fraunhofer-igb-unterstuetzt-markterschliessung-in-indien.html)

## Focus: Water and wastewater management

Access to clean water and sanitation is one of the global UN Sustainable Development Goals. Adequate access to clean water is a basic prerequisite for human health, but also for economic and environmentally beneficial development. The export initiative therefore promotes innovative approaches to strengthening sustainable (waste)water management. The focus is on water extraction, wastewater treatment and purification and increasing the efficiency of water use, for example with regard to handling industrial effluents.





# Tree planting campaign of the Export Initiative for Green Technologies

By absorbing CO<sub>2</sub> from the air, trees make a vital contribution to combating climate change. All projects supported by the Export Initiative for Green Technologies are therefore asked to plant a tree in the target country over the course of the project, which will thrive together with the project.

Trees and forests can help cool the air temperature of a region and provide habitats for many animals and plants. Particularly in developing countries and emerging economies but also in Germany, more trees and forests are being cut down than are being reforested. The export initiative therefore wants to send a signal to counter this trend with its tree planting measure.

#### More information (in German):

[www.exportinitiative-umweltschutz.de/de/aktuelles/baumpflanzaktion](http://www.exportinitiative-umweltschutz.de/de/aktuelles/baumpflanzaktion)

On behalf of:



Federal Ministry  
for the Environment, Nature Conservation  
and Nuclear Safety

**VDI | VDE | IT**

#### Impressum

##### Published by

VDI/VDE Innovation + Technik GmbH  
Project executing agency of the BMU Export  
Initiative for Green Technologies  
Steinplatz 1 | 10623 Berlin  
Phone: +49 30 310078-5660  
E-Mail: [exportinitiative@vdivde-it.de](mailto:exportinitiative@vdivde-it.de)

##### Designed by

VDI/VDE Innovation + Technik GmbH

##### Co-published by

Federal Ministry for the Environment, Nature  
Conservation and Nuclear Safety, Division G I 5  
Stresemannstr. 128-130 | 10117 Berlin

##### Date

Juni 2021

[www.exportinitiative-umweltschutz.de](http://www.exportinitiative-umweltschutz.de)