

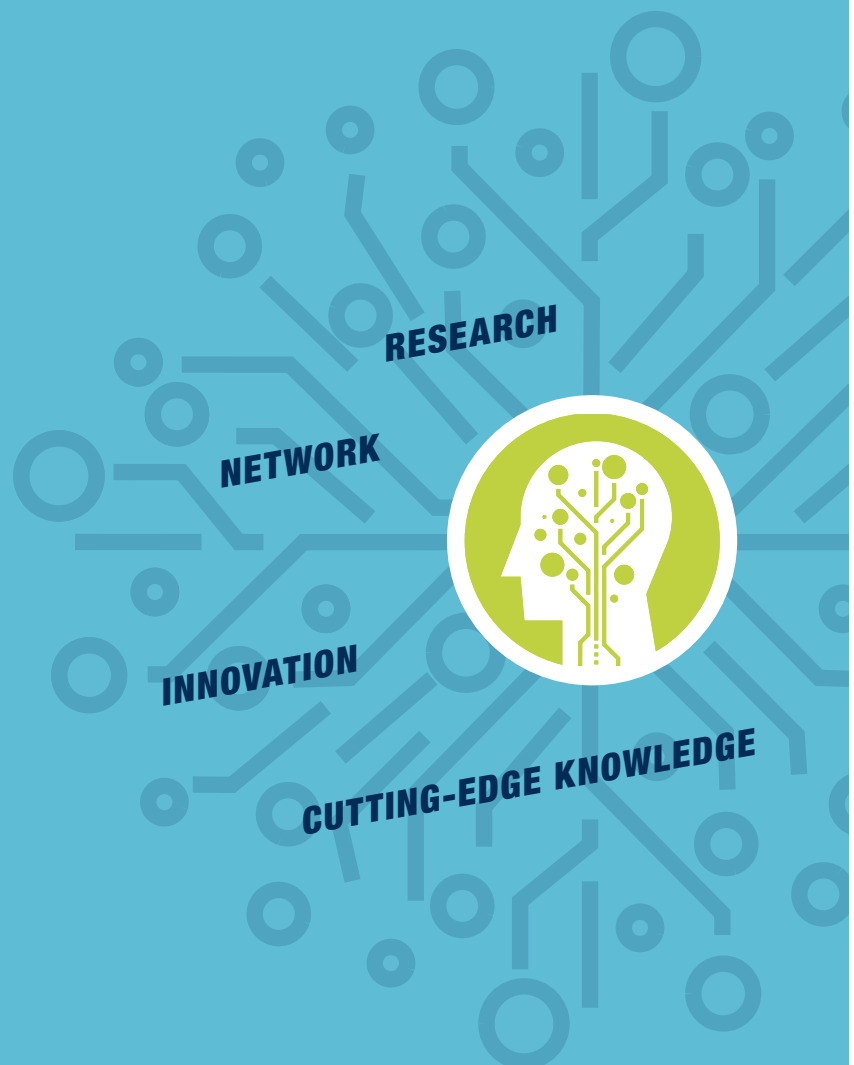
DVGW Research Network

Movers and Shakers of the Gas and Water Industries Thanks to Scientific-Technological Excellence

DVGW
2025

STRATEGIE

- ➔ The research institutes of DVGW – the German Technical and Scientific Association for Gas and Water – combine the scientific expertise from University and College partnerships with the practical expertise from the gas and water industries. The competences of the different institutes are complementary and, together with national and European partners, they form a comprehensive network covering the entire field of energy and water.
- ➔ The research work done by DVGW including systemic innovation management creates the basis for further technological advances in the energy and water industries, furthers the setting of technical regulations and standardisation, and ensures the scientific quality of the DVGW's public statements.

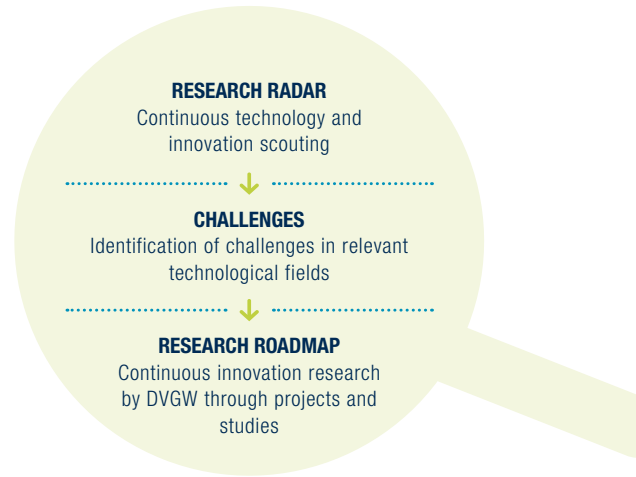


FIVE GOOD CASES FOR INTENSE DVGW RESEARCH IN THE NETWORK

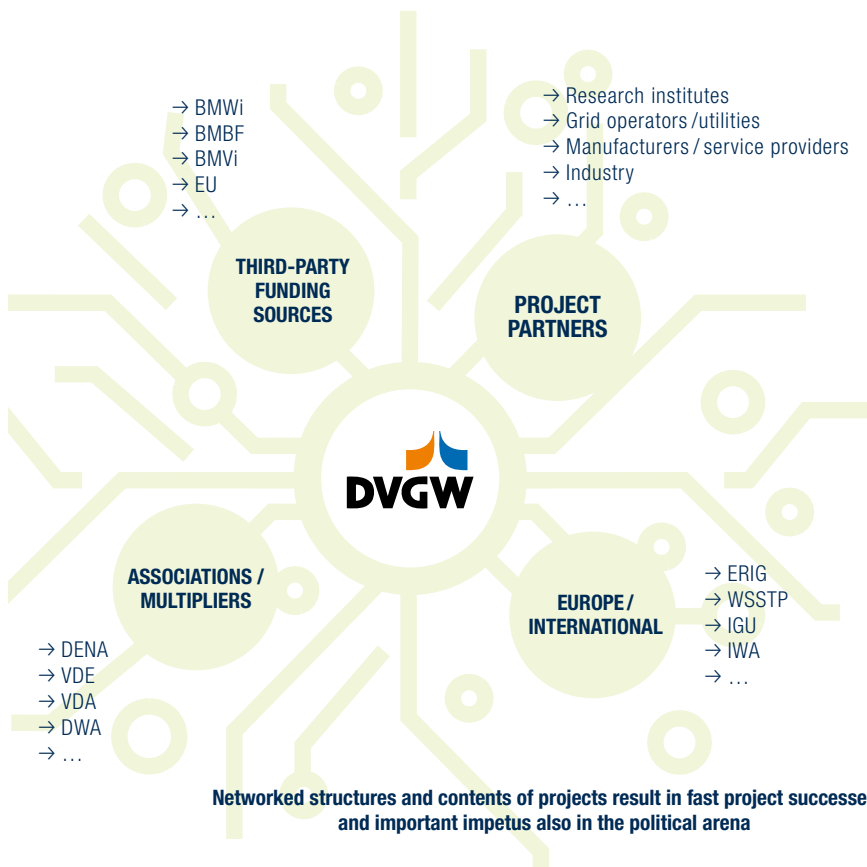
1

Networking Leads to Speed, Quality, and Multiplication

National and international research collaborations have a considerable leverage: On the one hand, the DVGW's own research budget can be increased many times over by raising third-party funds and by initiating joint research projects. On the other hand, a larger number of projects or broader project scopes result simultaneously in increasing scientific-technological expertise and available knowhow.



From research radar to a roadmap for research



Networked structures and contents of projects result in fast project successes and important impetus also in the political arena

2

Challenges and Research Needs are Recognized Early On

The DVGW's permanent technology and innovation scouting contributes to identifying challenges early on and to proactively initiate the relevant research projects. On the one hand, this serves as a basis for the DVGW to further strengthen its research relevance; on the other, it serves as an indicator for considering the impact on technical regulations in good time. Simultaneously it provides the basis for expanding the collaboration with new partners from both the energy and water research fields.

Current examples of the DVGW research network



Water Innovation Circle
Research memorandum for the water industry together with DWA: Identification of five central fields of research along the entire water cycle.



STORE&GO
Trailblazing joint project of the European Union for the storage of electrical power from renewables through power-to-gas with 27 project partners from all of Europe under the lead of DVGW (funding € 28 million).



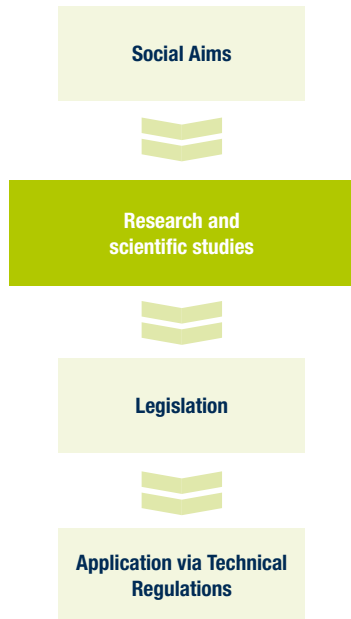
Global Water Research Coalition (GWRC)
The GWRC is an alliance of 14 reputable international water management research organisations. The GWRC aims to exchange knowledge at an international level beyond European borders, including

the coordination and cooperation of water research activities of global significance. The network creates a strong worldwide partnership. It generates and provides impetus for the DVGW's water research activities. The GWRC collaborates with the "International Water Association" (IWA).

3

Future-oriented Promotion of Social Aims

The DVGW focuses its research activities on the overriding aims of our society such as environmental and climate protection and the preservation of drinking water quality. The emphasis is on finding solution approaches and their quick implementation into practice, but also on systemic and cross-sectoral analyses.



Identification of research demand before the start of the legislative process supports practice-oriented and open-minded solutions

4

Credible Choice of Subjects on the Basis of Facts and Figures

Thanks to its manifold research activities the DVGW has become synonymous with scientific-technological competence in the gas and water industry. For the DVGW, research results and scientific facts create the basis for providing a proactive impetus to the innovation policy debate. This makes the association an important pillar of industry opinion leadership in politics and media and a competent point of contact for associations, organisations, and ministries.



The DVGW research network ensures the objective and informed formation of opinion and greatly enhances the credibility of the DVGW

5

Innovation Safeguards the Future of the Industry

As an important catalyst of the energy transition, the DVGW conducts research covering the entire range of energy and water supply. The research portfolio of the association focuses on developing innovative technologies. The DVGW is a pioneer of cross-sector energy supply awareness and as such drives the future-oriented progress of the gas industry. Water research covers the entire water cycle to develop solutions that are technologically and economically sustainable and also take into account demographic and climate changes. The aim is to ensure the high quality level and sustainability of the German water supply in the long term.



WssTP
The European initiative for Water Technology – WssTP (Water Supply and Sanitation Technology Platform) – is the ideal platform for anchoring the DVGW's research activities in Europe.



LNG Taskforce for Heavy-duty Commercial Vehicles

A cooperation of Deutsche Energie-Agentur (dena), Zukunft ERDGAS, and DVGW under the aegis of the Federal Ministry of Transport and Digital Infrastructure (BMVI) that aims to promote the construction of a minimum infrastructure for LNG.



ERIG

ERIG (European Research Institute for Gas and Energy Innovation) is a network that was set up in 2015 by seven leading European R&D organisations. ERIG aims at guiding the energy source, i.e. gas during the transition to tomorrow's energy system

based on renewable energy sources. The members link ERIG directly with the existing research and development structures (research institutes, universities/colleges, industry) in the EU countries.

The DVGW research facilities

➔ **Gas- und Wärme-Institut Essen e. V., Essen**
 Dr.-Ing. Rolf Albus
www.gwi-essen.de

➔ **DVGW Research Centre TUHH –
 TZW branch at Hamburg-Harburg
 University of Technology, Hamburg**
 Prof. Dr.-Ing. Mathias Ernst
www.tu-harburg.de

➔ **IWW Water Centre Rheinisch-
 Westfälisches Institut für Wasserfor-
 schung gGmbH, Mülheim a. d. Ruhr**
 Dr. Wolf Merkel
www.iww-online.de

➔ **DBI Gas- und Umwelttechnik
 GmbH, Leipzig**
 Prof. Dr.-Ing. Hartmut Krause
www.dbi-gut.de

➔ ➔ **DVGW headquarters,
 Bonn**
 Technology and innovation
 management
 Frank Gröschl
www.dvgw.de

➔ **DBI Gastecnologisches Institut
 gGmbH Freiberg, Freiberg**
 Prof. Dr.-Ing. Hartmut Krause
www.dbi-gti.de

➔ **TZW: DVGW Technology
 Centre Water, Karlsruhe
 and Dresden branch**
 Dr. Josef Klinger
www.tzw.de

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*Please do not hesitate to contact
 us anytime if you have questions
 or recommendations regarding the
 DVGW research network.*