

For further information,
please go to www.erig.eu
or contact us at:



Association Française du Gaz (France)
Contact: Marc Perrin
marc.perrin@gdfsuez.com
www.afgaz.fr



Danish Gas Technology Centre (Denmark)
Contact: Thea Larsen
tla@dgc.dk
www.dgc.dk



DVGW Deutscher Verein des Gas- und Wasserfaches
(Germany)
Contact: Frank Gröschl
groeschl@dvgw.de
www.dvgw.de



EDGaR Energy Delta Gas Research (The Netherlands)
Contact: Catrinus Jepma
c.j.jepma@rug.nl
www.edgar-program.com



Energiforsk – Swedish Energy Research Centre (Sweden)
Contact: Martin Ragnar
martin.ragnar@energiforsk.se
www.energiforsk.se



SVGW Schweizerischer Verein des Gas- und Wasserfaches / Verband der schweizerischen Gasindustrie
(Switzerland)
Contacts: Martin Sager, Daniela Decurtins
m.sager@svgw.ch, decurtins@erdgas.ch
www.svgw.ch, www.erdgas.ch

ERIG^{***} in short

In 2015 six leading European technical and scientific organizations established a network to foster the role of gas and innovative gas technologies in the future energy system: ERIG – European Research Institute for Gas and Energy Innovation.

ERIG is a new European research and development network that will guide gas in the transition process towards a future renewable based energy system. It is a non-profit network for European cooperation in research and innovation in the field of sustainable and innovative gas technologies and the use of natural gas with renewable energies.

ERIG members represent national technical and scientific gas organizations and associations. It offers a unique platform that is directly linked to existing research and innovation structures in the member countries such as academic research facilities and universities as well as industry. The members represent in particular the new requirements of energy and gas in Northern/Western Europe.

The research portfolio of ERIG members covers all aspects from the production of gas through to gas utilization in different markets.

Gas research and innovation for the future energy system



www.erig.eu



What is ERIG[★] about?

ERIG is a European Research and Development network. It aims to develop and demonstrate the role of gas in the transition process towards a future renewable-based energy system. The main fields of activity are:

- improving the efficiency of gas-related energy conversion processes in the domestic, commercial and industrial sectors,
- enhancing the safety, reliability and economic sustainability of the European gas infrastructure and gas storages, including LNG as a transportation fuel for long distances, on land, at sea and on inland waterways,
- enhancing the share of renewable and / or synthetic gases in the gas system, including renewable gas technologies,
- supporting the integration of volatile renewable power in the energy system through flexible gas options (power-to-gas, smart grids),
- improving the utilization of gas in highly efficient technologies (combined heat and power and multi-dual appliances),
- fostering life cycle analyses (LCA) and environmental impact analyses for all possible gases transported or distributed by the gas infrastructure;
- developing decision support systems and modelling tools to make the energy transition happen.



Why ERIG[★]?

EU climate and energy policy is committed to an energy-efficient and low-carbon economy. This is to be achieved by reducing greenhouse gases, raising the share of renewable energy and improving efficiency within the energy sector and industry in general.

Innovative approaches in terms of technical reliability, economic sustainability and safety are called for to achieve these goals. Within the overall structure of a sustainable energy supply system, it is becoming increasingly clear that an integrated systemic approach for the future energy system will be needed.

Gas and the gas infrastructure can play a major role in the future energy system.

Natural gas is the fossil fuel with the lowest specific carbon dioxide emissions. The highly flexible gas transport and distribution system along with innovative gas technologies can offer solutions that significantly reduce the total cost of transforming the energy system while simultaneously complying with carbon dioxide targets. For this reason, gas and the gas infrastructure should be given a more powerful voice in political and technical discussions.



How does ERIG[★] work?

ERIG supports innovation and research in the field of gas and gas technology by:

- promoting and analyzing **joint innovation and research work** with the participation of research institutes directly affiliated with ERIG members and other cooperation partners
- **supporting the EU's strategic research agenda** on energy and gas
- **disseminating the results** to national and European institutions active in the political, scientific and public arena
- **transferring technology** to national European economic institutions in academia, industry and the markets
- pooling and **communicating existing know-how**
- **promoting cooperation with other European and international organizations** in the energy and gas sector

