

# Network kick-off- workshop

1<sup>st</sup> September 2016  
in Brussels



# Welcome to join ERIG<sup>\*\*\*</sup>



**Prof. Catrinus Jepma,  
ERIG President**

In the light of the pledges made at the UN climate summit in Paris in November 2015, it is becoming clear that natural gas in combination with renewable energies cater to the legitimate needs of the global population and industry to implement the CO<sub>2</sub> reduction targets.

Renewable energies and gas are key contributors to the energy transition and policy makers should adopt the appropriate policies to enable their maximum joint contribution. Natural gas is a central element of any lower carbon strategy. A secure and climate-friendly energy supply which is affordable for everyone worldwide not just in rich countries can only be guaranteed with gas.

However, the role of gas today will require a large number of fundamental adjustments in virtually all facets of the gas value chain. The research agenda linked to this is not only formidable, but also requires interdisciplinary approaches and an energy system rather than a pure gas sector research approach.

On this basis ERIG was founded by seven leading European national research and development organizations on the occasion of the World Gas Conference in Paris in June 2015. ERIG is an innovative network organisation to guide gas into the transition process towards a future renewable based energy system by promoting joint innovation and development

work with the participation of research institutes and universities directly affiliated with ERIG and its cooperation partners.

**It is therefore my special pleasure to welcome you to join the ERIG Network and to participate in our first workshop on the 1<sup>st</sup> September 2016 in Brussels!**

Within the ERIG Network we offer you the possibility to team up with fellow colleagues to form project alliances to apply and conduct EU-Projects and inform each other about ongoing research activities.

In our workshop on the 1<sup>st</sup> September 2016 in Brussels, we wish to mobilize the high level research communities within the associated countries to join us in a discussion to get common EU projects going. There will be a common part to get to know ERIG as such, but also the opportunity to go into one of the parallel workshop sessions in the afternoon to discuss themes and projects in more detail.

On behalf of the ERIG Board I would like to invite you to join ERIG and to participate in strengthening the gas research efforts at a European level.

**It would be my pleasure to see you there!**

# Programme

## 9:30 – 10:00 / Welcome Coffee

### 10:00 – 11:30 / Opening of the workshop

- Presentation of ERIG, Prof. Catrinus Jepma, ERIG President
- Energy research in Horizon 2020 – What about Gas?, Hans Rasmussen, ERIG Secretary
- Presentation of Green Gas Initiative (GGI), Hany Aouad, Fluxys
- Introduction to the parallel sessions in the afternoon, Chairmen

## 11:30 – 12:15 / Lunch Break

### 12:15-14:30 / Parallel workshop sessions:

In the parallel workshop sessions there will be the possibility to enter an in-depth discussion with fellow colleagues from the ERIG member countries. **The aim is to get a common view on which themes and subjects to get involved in and to decide on the way forward.**

#### › Workshop “Smart Energy System”

The European gas system already today supplies the household, industries and mobility sector. By interconnecting the power and gas system, society gets an easy pathway of renewable energy in all these sectors. This is the “Smart Energy System”.

Inspiration:

- Future Gas – Integrated model for Denmark, Marie Münster, DTU
- Store&GO – P2G lighthouse project in Europe, Michael Walter, DVGW

#### › Workshop “Green Gas Initiative & Renewable Gas”

Renewable gas can be admixed in to the natural gas grid in high rates equivalent as the renewable electricity into the power grid. The means of producing renewable gas are many: ferment-

tation, power-to-gas and thermal gasification. The possible use of the gas is as diverse as the use of natural gas today.

Inspiration:

- Gas and Gas Infrastructure – The Green Commitment, Hany Aouad, Fluxys
- Innovations in Biogas and Hydrogen, Hartmut Krause, DBI

#### › Workshop “The North Sea – Gas meets Wind”

If there is one area where the energy transition is visible in all its drama, it is the North Sea region. Fossil fuels and renewables will need to collaborate in order to secure a sustainable, reliable and affordable energy system. Herein lie chances for all parties to reach win-win situations.

Inspiration:

- Teaser document “North Sea Energy”
- Various contributions by participants

#### › Workshop „Small Scale LNG“

Small scale LNG is a new market segment with large potential. Especially the use of LNG as fuel offers opportunities to establish a clean way to supply the transport market. This reduces particulate emissions to almost zero and also reduces noise which is of special importance for the supply of cities.

Inspiration:

- Small Scale LNG in Europe, Marc Perrin, AFG
- Small Scale LNG need for development, Dietrich Gerstein, DVGW

## 14:30-14:45 / Short Break

**14:45-15:30 / Summary of parallel sessions** by the chairmen and closing words by the ERIG President

# Workshop Venue

## DVGW Office Brussels

Avenue Palmerston 4  
1000 Brussels, Belgium

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## ERIG<sup>★</sup> in short

In 2015 seven leading European national 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.

### ERIG-Members



The workshop is supported by

