



Hosted by DGC, DVGW and Gasunie

A MARCOGAZ and GERG event

# EGATEC2024

The 6th European Gas Technology Conference

Supported by ERIG

Hamburg, Germany  
18-19 June 2024



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ORGANISERS



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# Conference Programme – EGATEC 2024

## **About EGATEC 2024**

The European Gas Technology Conference 2024 (EGATEC 2024) brings high-level representatives from the European gas industry, universities, companies, and many other stakeholders together.

EGATEC is at the cutting edge of the technical changes happening in our industry today. It provides a platform to exchange knowledge and experience on the challenges and opportunities the energy transition and decarbonization efforts.

The EGATEC 2024 will consider and discuss new strategies and innovative ideas to facilitate the gas industry's contribution to net-zero goals and upscaling state-of-the-art technologies including new gases and power-to-gas.

Organized under the auspices of MARCOGAZ and GERG, the conference takes place on 18-19 June 2024 in Hamburg. The conference is hosted by the Danish Gas Technology Center (DGC), the German Technical and Scientific Association for Gas and Water (DVGW), Gasunie and supported by the European Research Institute for Gas and Energy Innovation (ERIG).



# Additional Side Events at EGATEC 2024



Get-together the evening before official conference start for casual chats and the time to get to know each other



Scientific Poster Exhibition with poster presentations by GERG Young Researchers on day 1 and a poster breakfast on day 2



Evening Event at Hard Rock Café Hamburg on 18th of June 2024 with barbeque dinner and drinks



Introduction of new MARCOGAZ president and Award Ceremony of the GERG Young Researchers' Awards during evening event

## ORGANISERS



## HOSTS



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*“EGATEC is dedicated to the crucial challenges of our time. It is the most important conference for the exchange of managers, experts and scientists. EGATEC offers the opportunity to learn about the latest advances and innovations, making it a great place for collaboration. Only together we can achieve these essential goals of making our energy system cleaner and more efficient!”*



**Alexander Schwanzer**  
Chairman of the EGATEC 2024 Programme Committee  
Vice-President, MARCOGAZ

#### GET-TOGETHER



You are cordially invited to a get-together before EGATEC 2024 officially starts. All conference participants are welcome to attend, spend a convivial evening and share the anticipation.

- 17 June 2024, 6.30 – 9 pm
- Atlantic Hotel Hamburg

## DAY 1: 18 June 2024, Atlantic Hotel Hamburg

### Topic 1 Opening and keynote

- 9 - 9.20 am

#### President Speeches



Liam Nolan  
MARCOGAZ



Dr Murès Zarea  
GERG

- 9.20 - 9.40 am

#### International perspective



Andrea Stegher  
International Gas Union

- 9.40 - 10 am

#### The Essential Role of Gases in the Dutch Energy System of the Future



Dr Jarig Steringa  
GASUNIE

### Topic 2 Hydrogen supply in europe

- 10 - 11.30 am

Moderation:



Thea Larsen  
Independent consultant

#### Impulse:

#### German Norwegian Energy Partnership on Hydrogen



Svein-Erik Losnegård  
Gassco

#### H<sub>2</sub> to Global - Background, Instrument and Way forward



Malte Krieger  
Hintco

#### Certification of hydrogen for global trade



Barbara Jinks  
Ready4H2

## North Sea Energy Hubs with Hydrogen Production



Robert Evers  
GASUNIE

## Southern European Countries Perspective



Nicolas Jennison  
Snam S.p.A

## Panel Discussion & Open Discussion

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► 11.30 - 12 am

**Coffee Break**

## Topic 3 The hydrogen revolution

► 12 - 1 pm

Moderation:



Prof. Dr. Gerald Linke  
DVGW

### Impulse:

## Hamburg Hydrogen Industry Grid - key building block for the climate neutral city of Hamburg



Dr. Elisabeth Ziemann  
Gasnetz Hamburg

## Power Production, Combined Heat and Power and Sector Integration



Christoph Schütte  
Siemens Energy

## Validated use of hydrogen in the heating sector for decarbonisation of the building stock



Andrea Manini  
BDR Thermea Group B.V.

## Empowering Green Growth: Spain's Strategic Blueprint for Hydrogen Leadership in Europe



Naiara Ortiz de Mendíbil Romo  
Sedigas

## Panel Discussion & Open Discussion

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► 1 - 2 pm

**LUNCH**

 **YOUNG RESEARCHERS AWARDS 2024**

► 2 - 3 pm

## 11th GERG YOUNG RESEARCHER'S AWARDS: FINALISTS' PITCHES

## Topic 4 Hydrogen readiness of gas infrastructure and end use

► 3 - 4.15 pm

Moderation:



Sascha Grimm  
Wien Energie

### Impulse:

## Conclusion MARCOGAZ Study



Gert Müller Syring  
DBI

## H<sub>2</sub> core network Germany: Development and status



Dr. Arne Dammer  
Thyssengas

## Underground Hydrogen Storage in depleted reservoirs with a focus on Underground Sun Storage 2030



Stefan Bauer  
RAG Austria

## H<sub>2</sub> Readiness of European Industrial and Domestic Uptakers



Kris De Wit  
GAS.BE

## Panel Discussion & Open Discussion

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► 4.15 - 4.45 pm

**Coffee break**

## Topic 5

### Social, environmental and safety responsibility

4.45 - 5.45 pm

Moderation:



José Miguel Tudela  
Enagás

#### Impulse:

#### Environment, Health and Safety with hydrogen and other new gases



Marc T. Dröge  
GASUNIE

#### Methane Emission reduction - aiming towards to Zero!



Dr Liliane Wietzerbin  
GRDF

#### Safety and Integrity Applicable standards



Otto Jan Huising  
GASUNIE

#### Panel Discussion & Open Discussion

7 pm

#### EVENING EVENT WITH INTRODUCTION OF NEW MACROGAZ AND GERG PRESIDENTS AND YOUNG RESEARCHERS' AWARD CEREMONY



#### Evening Event Location:

Hard Rock Café · Bei den St. Pauli-Landungsbrücken 5 · 20359 Hamburg



## DAY 2: 19 June 2024, Atlantic Hotel Hamburg

9 - 10 am

#### Scientific Poster Exhibition

## Topic 6

### Biomethane and synthetic gases

10 - 11.15 am

Moderation:



Anne-Sophie Decaux  
GRT GAZ

#### Impulse:

#### Biomethane as a part of the future energy mix



Mieke Decorte  
European Biogas Association

#### Technologies for Synthetic Gases



Dr Frank Graf  
DVGW Research Center at the EBI

#### Towards 100 % biomethane by 2030 in Denmark



Alexander Sejbjerg Mosegaard  
Evida

#### Implemented technologies of Biomethane in Switzerland



Dr Cristina Antonini  
Association of the Swiss Gas Industry (VSG)

#### Biomethane in France: reasons for success and challenges ahead



Nicolas Spilliaert  
GRDF

#### Panel Discussion & Open Discussion

11.15 - 12 pm

#### COFFEEBREAK



## Topic 7

### Industry decarbonisation and CO<sub>2</sub> value chain

► 12 - 1 pm

Moderation:



Prof. Dr Horst Steinmüller  
University of Linz

#### Impulse:

##### A new scalable DAC process



Dr Aleksander Makaruk  
Axiom angewandte  
Prozeßtechnik

##### Fluxys' vision for the development of a CO<sub>2</sub> infrastructure



Steven Van Caekenberghe  
Fluxys

##### Advancing CCS through cross-European initiatives and Industry-University-Research collaboration for synergic innovation



Francesco Finotti  
SINTEF Energy Research

#### Panel Discussion & Open Discussion

► 1 - 2 pm

#### Lunch

## Topic 8

### EU policy and regulatory perspectives

► 2 - 3 pm

Moderation:



Prof. Dr Gerald Linke  
DVGW

#### Impulse:

##### EU Commission Perspective



Dr Tudor Constantinescu  
European Commission

##### International perspectives on gas markets, decarbonisation, policy and regulation



Dr Dennis Hesseling  
IEA

##### EU Policy and regulatory Perspective - EU H<sub>2</sub> Partnership



Jorgo Chatzimarkakis  
Hydrogen Europe

#### Panel Discussion & Open Discussion

## Topic 9

### Closing and keynote

► 3 - 3.30 pm

#### Keynote

##### Gas - an enabler and not a barrier for the energy transition



Prof. Dr Karl Rose  
University of Innsbruck

#### Keynote

##### Closing remarks



Kris De Wit  
GAS.BE



Simon Joyce  
SGN



## The 11th GERG Young Researchers' Awards @EGATEC 2024



EGATEC 2024 proudly hosts the 11th edition of the GERG Young Researchers' Awards. The Awards recognise early career European researchers who have displayed a commitment to excellence in scientific research and in creating solutions for the future of Energy.

The Young Researchers' event promotes interaction between European Universities and Research Centres, on R&D topics related to gas in the energy system. The key objectives are to encourage a dialogue between industry experts and academia, raise awareness, and enhance cooperation between our different communities.

## EGATEC SCIENTIFIC POSTER EXHIBITION

Following previous practice, EGATEC 2024 will also include a technical poster exhibition presenting innovative and original research projects with a special focus on work in progress, upcoming research challenges, and new directions in the field of gas technologies.

We invite you to join us as the next generation of European researchers present the latest study results.



MEDIA PARTNERS



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Organiser  
DVGW Kongress GmbH  
Josef-Wirmer-Str. 1-3  
53123 Bonn

[info@dvgw-kongress.de](mailto:info@dvgw-kongress.de)  
[www.dvgw-kongress.de](http://www.dvgw-kongress.de)

