



A
MARCOGAZ
and GERG
event

EGATEC2022

The 5th European Gas Technology Conference

Hosted by
DVGW e.V.
supported by
ERIG

Hamburg,
Germany
14–15 June
2022



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Conference Programme – EGATEC 2022

Dear EGATEC Community,

Following the successful fourth edition of the European Gas Technology Conference in Groningen, the Netherlands in 2019 and a slight delay due to Covid, we are more than happy to announce the 5th EGATEC in 2022.

The gas industry is changing more than ever before: climate change debates, new strategies connected with the use of hydrogen and continuing technological development are bringing a considerable change to the market. Projects which are closely observed throughout the world, such as Nord Stream 2, highlight the importance of intensive industry exchange at the European level.

For the EGATEC conference, the leading European gas technology and research associations join forces to shape the future of gas technology together with representatives of the gas industry. Let us demonstrate our commitment to creating a greener Europe through gas innovation!

We see us in Hamburg!



Thea Larsen
President
MARCOGAZ



Dr Murès Zarea
President
GERG



Prof. Dr Gerald Linke
CEO
DVGW



Why You Should Attend EGATEC

The conference provides an environment to share, exchange and discuss new insights related to technological developments in the European gas industry. Attend the conference to:

- get the latest industry knowledge
- network with Europe's leading gas representatives
- use onsite benefits to meet peers
- remain up to date about what the other colleagues from the industry are working on
- participate in discussions and move the industry forward
- get to know the next generation of young researchers and professionals
- visit selected leading gas projects in the area of Hamburg

Congress tickets include:

- 2 days of research and technology input
- a poster exhibition
- networking breaks and an evening event
- an Award Ceremony

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“EGATEC is at the cutting edge of the technical changes happening in our industry today. Now more than ever we need to understand these changes and the roadmap to a decarbonised European gas industry.”



Liam Nolan
Chairman of the EGATEC 2022 Programme Committee
Vice President, MARCOGAZ, Head of Technical Development & Technical Training, Gas Networks Ireland

DAY 1: 14 June 2022

► 9.00 am

Conference Opening



Thea Larsen
President, MARCOGAZ



Dr Murès Zarea
President, GERG



Prof. Dr Gerald Linke
CEO, DVGW

Role of Gas in the Future Energy System

► 9.20 am

EU Climate Goals – Political and Regulative Framework

European Commission (invited)

► 9.35 am

Discussion: Enabling Security of Supply and Storage of Energy with Gas

Technical Impulse & Moderation:

Torben Brabo

SVP International Relations,

Energinet Gas TSO, President of GIE (invited)

Panellists:

Pascal de Buck
Managing Director, CEO, Fluxys (invited)



Thea Larsen
President, MARCOGAZ



Prof. Dr Gerald Linke
CEO, DVGW



Catharina Sikow-Magny
Director, European Commission,
DG Energy (tbc)



Dr Murès Zarea
President, GERG

► 10.30 am

Coffee Break



How Gas Can Become Carbon Neutral

Moderator:



Barbara Jinks
Programme Officer - Green Gas
Delivery and Use, International
Renewable Energy Agency (IRENA)

11.00 am

Perspective for Biogas and SNG from Biomass

in clarification

11.20 am

Hydrogen from Methane – Comparison of Different Production Technologies

N. N., Equinor (invited)

11.40 am

Green Gas Supply for Germany & Europe – a Technology Neutral Approach

- Understanding the challenge – primary energy demand in Europe
- Sources for sustainable hydrogen & biogases
- Example Germany: Domestic production and import options for green gases
- Challenges to the power systems & how green gases can help



Dr Christoph Gatzen
Director, Frontier Economics

12.00 pm

Reducing Methane Emissions – Contributions on MARCOGAZ and GERG Projects

Ronald Kenter

Coordinator Environment, Gasunie, Chairman of Working Group on Methane Emissions, MARCOGAZ

12.20 pm

Q&A



12.30 am

Reflections: The Need for Research and Development in the Gas Sector

Moderator:



Frank Gröschl
Head of Technology and Innovation
Management, German Technical and
Scientific Association for Gas and
Water (DVGW)

Guests:



Antony Green
Hydrogen Director, National Grid,
Board Member of MARCOGAZ,
GERG Vice President



Prof. Dr Dimothenis Trimis
Full Professor for Combustion
Technology, Karlsruhe Institute of
Technology (KIT), ERIG TG Leader
R&D Gas

12.50 am

Lunch Break with GERG Young Researchers' Poster Presentations

Moderator:



Alexandra Kostereva
Consultant, GERG

Hydrogen Infrastructure

Moderator:



Antony Green
Hydrogen Director, National Grid,
Board Member of MARCOGAZ,
GERG Vice President

2.10 pm

H₂ Readiness of Existing Gas Infrastructure

Aurelie Carayol
Hydrogen Project Director,
Co-Chairwoman of the Hydrogen
Task Force, MARCOGAZ



Gert Müller-Syring
Head of Department Gas Grids / Gas
Facilities, DBI Gas- und Umwelttechnik
GmbH, Co-Chairman of the Hydrogen
Task Force, MARCOGAZ

DAY 2: 15 June 2022

► 2.30 pm

European Hydrogen Backbone and IPCEI Projects



Andrea Stegher
Marketing Senior Vice President, SNAM

► 2.50 pm

Hydrogen in Distribution Grids – Admixtures and Pure Hydrogen Solutions

Marie Françoise L'Huby
Technical and Industrial Director, AFG / GrDF

► 3.00 pm

Q&A

► 3.10 pm

10th GERG Young Researchers' Awards: Finalists' Pitches

Moderator:



Alexandra Kostereva
Consultant, GERG

► 4.10 pm

Networking Break with Roundtables

► 4.10 pm

Short Coffee Break

► 4.30 pm

MARCOGAZ General Assembly

► 6.30 pm

Evening Event with Introduction of New MARCOGAZ President and Award Ceremony

Interested in becoming host of the evening event?

Sign up for this exclusive sponsoring package and benefit from extensive brand awareness. For more information download the detailed sponsoring brochure on our webpage or contact Ella:

Ella Beu
Project Manager,
Phone: +49 172 8336185
ella.beu@dvgw-kongress.de

► 9.00 am

Poster Breakfast with Presentations & Discussion

Moderator:



Christian Copin
Vice President, GERG, Scientific Adviser, GRTgaz and Chairman of the Poster Selection Committee

Papers about Metrology, LNG in Transport, H₂ and CO₂ prices / costs, Carbon Abatement Costs, Sustainability, Gas Operation Safety, Gas Odourisation

► Call for Posters open until 21 March 2022

Future Gas Utilisation

Moderator:



Kris de Wit
Technical Manager, Belgian Gas Association (Gas.be)

► 10.30 am

Future Utilisation of Gas in Industry as Feedstock and Energy Source

Dieter Flick
Senior Research Engineer - Process Develop. Catalysts, Batt.CC & Solids, BASF (invited)

► 10.50 am

Gas Based Technologies and Innovative Concepts for Sector Integration

- Why buildings are a hard to decarbonise sector
- How a multi-technology approach, including those based on gas based, can improve sector integration and system efficiency
- Different gas based technologies and their specific benefits
- Readiness of these technologies to work with decarbonised gases



Veerle Beelaerts
Head of Technology, European Heating Industry (EHI)

11.10 am

Opportunities for H₂ and Renewable Methane in the Mobility Sector



Dr Dietrich Gerstein
Senior Advisor, TEAM CONSULT
G.P.E. GmbH, Independent Expert
for Renewable Mobility, DVGW e.V.

11.30 am

Hydrogen Combustion in Gas Turbines and H₂-ready Power Plants

- Fundamentals of hydrogen combustion in gas turbines
- Status and roadmap of H₂ combustion
- H₂ readiness for GT-based power plants
- References and proof points



Erik Zindel
VP Generation Sales – Hydrogen,
Siemens Energy

11.50 am

Hydrogen Powered Heat Appliances



Alexander Dauensteiner
Product Line Owner Fuelcells,
Viessmann Werke Allendorf GmbH

12.10 pm

Q&A

12.30 pm

Lunch Break

Lighthouse Projects

Moderator:



Dr Patrick Cnubben
LNG & Hydrogen, New Energy
Coalition, ERIG Board of Directors

2.00 pm

Hydrogen Valleys – HEAVENN



Dr Patrick Cnubben
LNG & Hydrogen, New Energy
Coalition, ERIG Board of Directors

2.20 pm

WESTKÜSTE100: Industrial Scale Green Hydrogen from the North German Wind Energy Region – Heide



Dr Marcel Goelden
WESTKÜSTE100 Coordination
& „Green Refinery“ Team of
Heide Refinery, „Reallabor der
Energiewende WESTKÜSTE100“

2.40 pm

H21

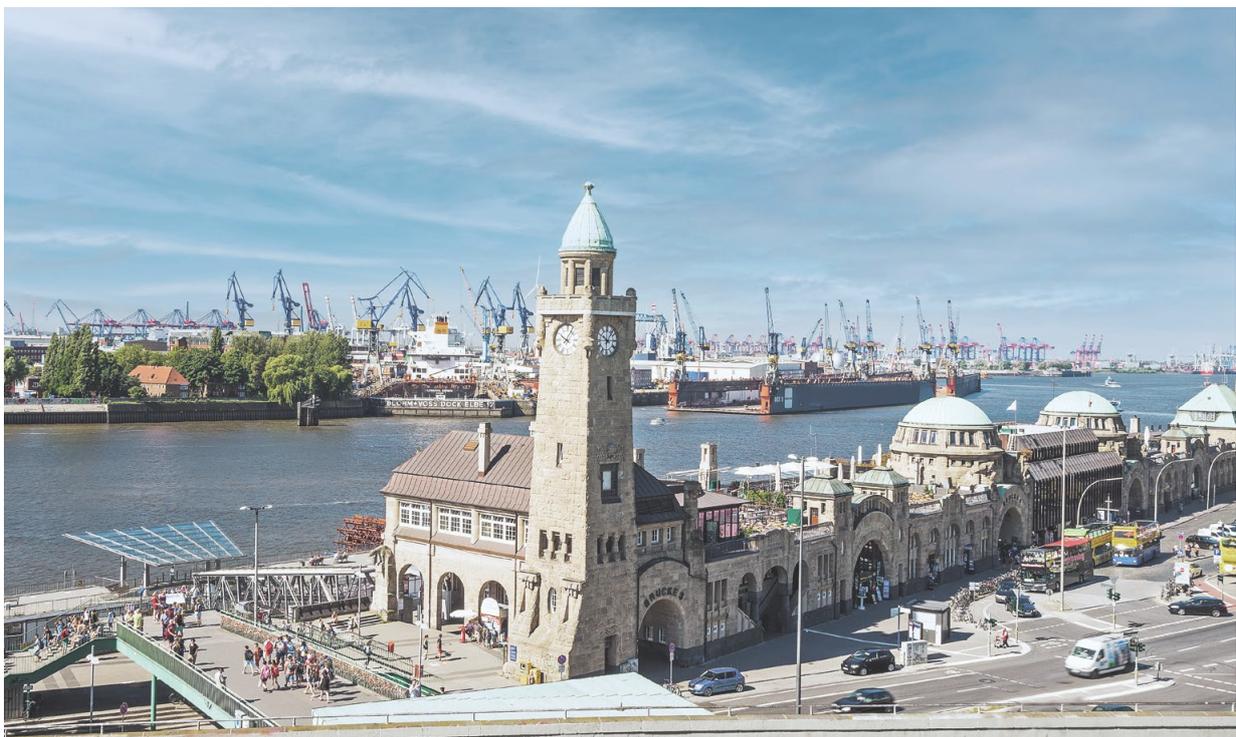
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3.00 pm

Q&A

3.10 pm

Coffee Break



Next Steps for the Gas Industry

▶ 3.40 pm

Green Hydrogen Market Economy: Symbiosis of Economic Growth, Climate Protection and Security of Supply

- ▶ Expected global trade in green hydrogen exceeds EUR 2,000 billion
- ▶ Climate targets 2030 already generate a demand of more than 55 TWh/a for green hydrogen in 2030
- ▶ By 2050, annual sales for electrolysers will grow to more than 300 billion EUR
- ▶ Green hydrogen makes renewable energies feedable and globally tradable



Werner Diwald
Chairman of the Board, German Hydrogen and Fuel Cell Association (DWH)

▶ 4.00 pm

Recommendation on the Evolution of the Regulatory Framework



Alix Chambris
Vice President Global Public Affairs and Sustainability, Viessmann

▶ 4.20 pm

Summary



Liam Nolan
Vice President, MARCOGAZ, Head of Technical Development & Technical Training, Gas Networks Ireland, Chairman of the EGATEC Programme Committee



Dr Murès Zarea
President, GERG



Prof. Dr Gerald Linke
CEO, DVGW and President, ERIG



Call for Poster Abstracts

**Submission deadline:
21 March 2022**

Following previous practice, EGATEC 2022 will 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 cordially invite European gas technology researchers to present their work through the submission of posters.

"In industry, and of course in the gas industry, progress is made when science, technology, standardization and business are perfectly in line and cooperate in an efficient way. The EGATEC Conference is a perfect example of this powerful value chain that can change the world and lead us to a clean and affordable future. This is why supporting EGATEC is a natural choice."



Christian Copin
Chairman of the Poster Selection Committee,
Vice President, GERG, Scientific Adviser, GRTgaz

If you are interested in participating at the scientific poster exhibition, please find more information on egatec-conference.com/poster-exhibition or contact Melanie directly.



Melanie Twrsnick
Project Lead & Conception

melanie.twrsnick@dvgw-kongress.de



10th GERG Young Researchers' Awards

Supported by MARCOGAZ, DVGW and ERIG, GERG is planning the 10th edition of the GERG Young Researchers' Awards. For more information, visit our webpage or contact Alexandra.



Alexandra Kostereva
Project Manager, GERG

alexandra.kostereva@gerg.eu



Technical Tours

An excursion day is planned for **Monday, 13 June 2022**. For more information about our offered tours, please visit egatec-conference.com/technical-tours



Choose Your Ticket

REGULAR: € 1,500*

MEMBERS: € 1,000*

Reduction for members of
MARCOGAZ, GERG, DVGW & ERIG

REDUCED: € 600*

Reduction for students &
poster presenters

Congress Tickets Include

- 2 days of research and technology input on the highest level
- a poster exhibition
- networking breaks and an evening event
- an Award Ceremony

Technical Tours

We charge € 100.00* handling fee for the Technical Tours. This includes the shuttle service. Catering will be provided by the host companies. There will be no additional costs for the excursion.

* All prices excl. VAT

Get your ticket online at
egatec-conference.com/registration

Hotel & Location

EGATEC 2022 takes place at the new Congress Centre Hamburg (CCH). CCH is one of the most advanced and largest convention centers in Europe, offering a unique location in the city of Hamburg. Modern architecture with flood lights, skillfully designed room concepts and the state-of-the-art AV systems conform with the high quality of EGATEC 2022.

CCH – Congress Center Hamburg, Germany

Messeplatz 1
20357 Hamburg

We organised room allotments in different hotels close to the CCH. The room allotments are limited in time and capacity. Please make your reservation under the heading of „EGATEC – European Gas Technology Conference“ directly at the hotel.

- Radisson Blu Hotel, Hamburg
- Grand Elysée Hamburg
- Motel One HH Am Michel
- InterCity Hotel Hamburg Dammtor-Messe

For more information, visit our webpage or contact Sofia:



Sofia Biricotti
Project Manager

sofia.biricotti@dvgw-kongress.de



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Please express your interest in sponsorship or require further information from Ella.



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Cooperation and Media Partners



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