

## 2<sup>nd</sup> CarbonNeutralLNG Symposium on Methanation & Liquefaction

On the 21<sup>st</sup> of May 2025, the 2<sup>nd</sup> CarbonNeutralLNG Symposium on Methanation & Liquefaction took place in collaboration with the 11<sup>th</sup> International Conference on Renewable Energy Gas Technology, REGATEC 2025 at Leonardo hotel in Weimar, Germany.

The symposium started with a presentation by Hagen Hilse, GICON®-Grossmann Ingenieur Consult GmbH on [Towards Efficient Biological Methanation: The Role of Site-Specific Conditions](#). Anni Alitalo, Q Power Oy continued with a presentation on [Industrial scale CO<sub>2</sub> methanation – the Harjavalta project](#), followed by a presentation of Charles-David Dubé, National Research Council Canada, on [Impact of operating parameters on biomethanation of syngas](#). Jakob Müller, FAU presented [Design and performance of a novel 3D-printed dual function methanation and in-situ tar reforming reactor](#). Patrick Dumpe, Stirling Cryogenics gave a presentation on [BioLNG production – lessons learned after the first 20 plants](#). Marina Pasteris, ISCC System GmbH presented [Virtual Liquefaction](#), Gennaro Formisano presented [Small scale bioLNG – case study Renzenhof plant](#) and Magnus Folkelid, Wärtsilä Gas Solutions ended the symposium by presenting [Efficient hydrogen removal/recovery for biological and catalytic eLBG/eLNG production](#).

The Symposium was organised by Jörgen Held, CEO Baltic Energy Innovation Centre (BEIC) and moderated by the CarbonNeutralLNG coordinator, prof. Jürgen Karl, Friedrich-Alexander-University Erlangen-Nuremberg (FAU)



105 delegates from 17 countries plus 16 online delegates listened to the CarbonNeutralLNG Symposium presentations. *Photo: Jörgen Held*

### Horizon Europe Biomethane Cluster

CarbonNeutralLNG is part of the Biomethane Cluster. During REGATEC 2025 the following contributions were presented.

Thomas Hannl, BEST, a CarbonNeutralLNG project partner, presented Demonstration of DFB-to-SNG Process Chains at the Syngas Platform Vienna.

Myrsini Christou, CRES, presented The GreenMeUp project.

Irene Bonato, Politecnico di Milano, a BIOMETHAVERSE project partner, gave a visual presentation (poster) on Application of Hollow Fiber Membranes for Enhanced CO<sub>2</sub> Biomethanation at Pilot Scale.