FUELS OF THE 2027 FUTURE

24th International Conference on Renewable Mobility

SHAPING TRANSITION–
FULL STEAM AHEAD FOR RENEWABLES

18. – 19. January 2027 | CityCube Berlin



Programme

Organisers:

BBE Bundesverband Bioenergie e.V.

BDBe

ufop

Fachverband BIOGAS

VDB

Patron:

Federal Ministry of Transport

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1 Shaping transition – Full steam ahead for renewables

10:00 – 12:45, ROOM A6

PART 1: NATIONAL PERSPECTIVE ON THE TRANSPORT ENERGY TRANSITION

Opening & Moderation:
Stefan Walter, German Bioethanol Industry Association (BDBe)

Shaping transition – Full steam ahead for renewables
Marlene Mortler, Chairwoman of the Board, German Bioenergy Association (BBE)

Perspectives and policy actions for renewable fuels under the federal government's updated climate protection programme
Christian Hirte, Parliamentary State Secretary representing the Federal Minister of Transport

RED III and BEHG: Scenarios and Trade-offs
Prof Dr Christian Küchen, Trade Association Fuels and Energy (en2x)

Round table I: Politics meets practice – Are current policy frameworks enabling the dynamic scale-up of renewable fuel markets?

PART 2: EUROPEAN PERSPECTIVE ON THE TRANSPORT ENERGY TRANSITION

Moderation:
Stefan Walter, German Bioethanol Industry Association (BDBe)

EU Biofuel Policies Post-2030: Latest Regulatory Developments
Xavier Noyon, European Biodiesel Board (EBB)

Support of EU Biofuels Policies for Transport Decarbonization
Dr Theodor Goumas, EXERGIA Energy Environment Consultants S.A.

Renewable Fuels Now and After 2030: Market Trends and Policy Directions
Jörg Hübeler, Neste Oyj

Round table II: From RED II/RED III to RED IV – On the path to climate neutrality and greater energy security?

12:45 – 14:00
LUNCH & LEARN

2 Higher blends of renewable fuels for greater climate protection

14:00 – 16:00, ROOM A6

Moderation:
Elmar Baumann, German Biofuels Industry Association (VDB)

Higher admixtures of renewable fuels for more climate protection
Prof Dr Thomas Garbe, Volkswagen AG

Practical use of B100 – what can Biodiesel achieve and what matters most?
Anna-Maria Koch, Cargill GmbH & Katharina Friedrich, AGQM Biodiesel e.V.

B100 in fleet operations
Axel Munderloh, ReFood GmbH & Co. KG

Higher bioethanol blends – global experience and lessons learned for Europe
Laurent Donceel, ePURE – European Renewable Ethanol Association

Round table III: How can higher blending rates be achieved in the fuel market?

16:00 – 16:45 COFFEE & CAKE – NETWORKING

16:45 – 17:15 Young talents competition
The future starts now – young talents shape renewable mobility

Moderation:
Christine Kroke, German Bioethanol Industry Association

Physics-Informed DeepONet for Reverse Water-Gas Shift Reactor Modelling
Enzo Komatz, University of Leoben

Test procedures for fuels intended for small and medium-sized engines – From chemical analysis to physical properties to emission behavior
Niklas Nagel, Karlsruhe Institute of Technology (KIT)

Real-world energy efficiency comparison of an FCEV prototype with a diesel reference tractor
Oliver Kattwinkel, University Bonn

3 MONDAY, 18.01.

The role of renewable fuels in strengthening energy security and resilience

17:15 – 18:45, ROOM A6

Moderation:
Stephan Arens, BBE Executive Board and Union for the Promotion of Oil and Protein Crops (UFOP)

Energy situation in Germany – implications for alternative fuels
Prof Dr Frank Atzler, TU Dresden

Global supply crisis – can renewable fuels contribute to market supply?
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How e-fuels and biofuels can contribute to a secure and resilient energy supply in Germany
Dr Michaela Unteutsch, Frontier Economics

The role of liquid transport and heating fuels in ensuring a resilient energy supply
Ulfert Cornelius, Medium-sized Energy Industry Germany (MEW) & Independent Tank Storage Association (UTV)

19:15
BIOENERGY RECEPTION
at hub27 (Hall 27, Exhibition Centre)
Free admission for all conference participants.





4A The long way to e-fuels – Successes and challenges

9:00 – 11:00, ROOM M1-M3

Moderation:
Dr Franziska Müller-Langer, DBFZ German Biomass Research Centre gGmbH & Dr Tobias Block, eFuel Alliance

The market potential of e-Fuels: Climate benefits and success factors for market ramp-up
Dr Tobias Block, eFuel Alliance

Scaling up Efuels: Synkedia Project
Tomás Malango, Repsol

The Kassø E-methanol – First of its kind
Torben Nørgaard, European Energy A/S

Cross-sector by demand Pooling: A pathway to scalable Power-to-X production
Felix Schmermer & Jospehine Götze, PtX Lab Lausitz

4B Strengthening bioethanol – Expanding blending, accelerating CO2 reduction

9:00 – 11:00, ROOM M4-M5

Moderation:
Dr Juta Rottke, German Bioethanol Industry Association (BDBe)

E20 fuel in practice: Comparing E10 and E20
Prof Dr Thomas Heinze, University of Applied Sciences of Saarland (htw saar)

Advanced bioethanol on non-agricultural land: How AXF energy plans to make E100 and SAF scalable for Europe
Thomas Rogg, AXF Energy GmbH

From the Tour d'Europe to nexa95: Field Projects Paving the Way for the Defossilization of Mobility with the Digital Fuel Twin
Dr Marko Babic, Robert Bosch GmbH

Bieranol: Unlocking the Potential of Brewery By-products for Bioethanol Production
Björn Schwarz, Fraunhofer Institute for Ceramic Technologies and Systems IKTS

4C Globally connected – Opportunities and risks in international trade with renewable fuels

9:00 – 11:00, ROOM M6-M7

Moderation:
Torsten Weidemann, German Bioethanol Industry Association (BDBe)

The feed(chock) dilemma in the EU biofuel's policy
Mahmoud Abdelrahman, SGS INSPIRE

N.N.
Tom Hughes, Fastmarkets

Biomethane across borders: The evolution of trading opportunities and pricing
Svea Winter, Argus Media

Physical Biofuels: Policy Updates on the Markets
Harry Riley-Gould, Quantum Commodity Intelligence

4D TUESDAY, 19.01.

From the lab to the road – Paths to advanced alternative fuels in practice

9:00 – 11:00, ROOM M8

Moderation:
Prof Dr Thomas Willner, Hamburg University of Applied Sciences (HAW Hamburg)

Hydroprocessing of methanol-based heavy gasoline – Flexible blending components in future refineries
Jonathan Rummel, Institute for Piston Machines, Karlsruhe Institute of Technology (KIT) & winner young talents award 2026

Advanced alternative fuels for Europe's transport transition – Techno-economic and environmental assessment
Dr Ralph-Uwe Dietrich, German Aerospace Centre (DLR)

Hydrogen & CO_2 as future feedstock: resilient value chains for maritime methanol and SAF
Dr Armin Günther, Air Liquide Engineering & Construction

Optimizing efficiency without high-voltage costs: practical refuel hybrid systems for Europe's technological sovereignty
Dr Andreas Kufferath, Bosch GmbH

11:00 – 11:30 COFFEE & CAKE – NETWORKING

5A
Implementation of RED III in Germany and Europe
11:30 – 13:30, ROOM M1-M3

Moderation:
Prof Dr Jürgen Krahl, Technische Hochschule Ostwestfalen-Lippe (TH OWL)

Implementation of RED III in Germany
Frank Bonaldo, Federal Ministry for Economic Affairs and Energy

GHG quota in the German transport sector – Simulation of compliance options and quota prices under different scenarios through 2040
Hendrik Etzold, DBFZ German Biomass Research Centre gGmbH

End-to-end sustainability traceability – Validation and certification of total greenhouse gas emissions using a conformity-assessed system
Daniel Koslowski, VTA Software & Service GmbH

Securing the future of renewable fuels: Molecular marking for traceability, Origin verification and misuse prevention
Dr Adam Graham, Tracerco Limited

Certification of renewable fuels – Insights and updates from ISCC
Dr Patrick Ober, ISCC System GmbH & Annika Caspari, Meo Carbon Solutions

5B
Transport in transition – Travelling with biomethane & BioLNG
11:30 – 13:30, ROOM M4-M5

Moderation:
Justus Dünkelmann, German Biogas Association

Scaling up renewable methane: trade-off between innovative technologies and legal framework
Karin Naumann, DBFZ German Biomass Research Centre gGmbH

Bio-LNG: The go-to fuel for vessels in the 2030s
Thorsten Nascimento Rohling, agriportance GmbH

Biomethane and e-methane under the GHG quota: Competition or synergy?
Matthias Edel, Erneuergas GmbH

The Bio-CNG business model – From farm to road: Practical examples of on-farm applications and commercialization in the logistics sector
Klaus Senghaas, AESE Agrar

5C
Green waterways – Full steam ahead with renewable marine fuels
11:30 – 13:30, ROOM M6-M7

Moderation:
Prof Dr Bert Buchholz, University of Rostock & CIMAC Germany

FuelEU Maritime, ETS and IMO: What Contribution Can Biofuels Make to Achieving Climate Targets in Maritime Shipping?
Arne Maibohm, Hapag-Lloyd AG

Bio-LNG as the driver for maritime decarbonization globally
Coen Ponsioen, HySights

VINTER Bio-Oils from Biogenic Residues as Drop-In Marine Fuels – Results from the EU Project SEAFAIRER
Daniel Pichler, Tergy Sagava

Development of Infrastructure for Renewable Fuels in Maritime Shipping
Thomas Johannsen, Medium-sized Energy Industry Germany (MEW)

5D
Turning waste into power – Biofuels for sustainable mobility
11:30 – 13:30, ROOM M8

TUESDAY, 19.01.

Moderation:
Detlef Evers, Waste-based biofuels association (MVaK)

Competition on UCO, tallow and other waste lipids
Matthew Stone, Vice President Business Development and low carbon fuels, Resource Wise

"Scrap the Cap": Waste-Based Biofuel Caps in Europe – State of Play Europe
Angel Alvarez Alberdi, European Waste-based & Advanced Biofuels Association (EWABA)

Benefits of intermediate crops, and bottlenecks to their development. With recommendations for practical certification guidance
Carlo Hamelinck, studio Gear Up B.V.

Practical experience with the use of B15 in Portugal
Anabela Antunes, PRIO

Optimization of the hydrotreatment of TCR pyrolysis oils for the production of renewable drop-in fuels
Begüm-Nisa Kocacenk, Fraunhofer UMSICHT

13:30 – 14:30 „LUNCH & LEARN"

6A
Renewably charged – Green hydrogen in the tank
14:30 – 16:30, ROOM M1-M3

Moderation:
Sebastian Kobbelt, German Hydrogen Association (DWV)

Results of the funding program for hydrogen in heavy-duty commercial vehicles and buses
Johannes Wieczorek, Federal Ministry of Transport (Germany)

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Taxation of hydrogen – when regulation determines competitiveness
Dr Marcus Merkel, Clean Energy Partnership

DWF study: The power grid is reaching its limits with electric trucks – hydrogen can help ease the burden
Sebastian Kobbelt, German Hydrogen Association (DWV)

6B
Climate-friendly today – Renewable fuels for heavy-duty and freight transport
14:30 – 16:30, ROOM M4-M5

Moderation:
Simon Brück, German Federal Association of Freight Forwarding and Logistics (DSLV)

Effective transformation instead of symbolic politics: biomethane as the foundation for climate-neutral truck fleets
Johan Bloemsma, OG Clean Fuels GmbH

Results of the 2026 Clean Room Discussions
Johannes Daum, NOW GmbH

Round table: What fuels will power the European commercial vehicle market in 2045?
Kim Kohlmeyer, MAN Truck & Bus
Gregor Frieb, VOLVO Trucks
Johannes Küstner, IVECO Group

6C
Flying responsibly – Renewable fuels in aviation
14:30 – 16:30, ROOM M6-M7

Moderation:
Prof Dr Martin Kaltschmitt, Hamburg University of Technology (TUHH)

Who gets the carbon? Trade-offs between renewable fuels and future carbon removal needs in European aviation and shipping
Dr Reinier van der Veen, CE Delft

eSAF double-sided auction mechanism
Matthias Spöttle, Federal Ministry of Transport (Germany)

Combining bio- and thermochemical processes for SAF production from organic household waste: opportunities and limitations identified through the BIOCTANE project
Dr Patricia Pizarro, IMDEA Energy Institute

Unlocking Brownfield eSAF: Flexible GHG allocation for the just transition of Brownfield Fischer-Tropsch plants
Dr Clemens Holtmann, Redeker Sellner Dahs

6D
Green power in the field – Renewable drive energy for agriculture and forestry
14:30 – 16:30, ROOM M8

TUESDAY, 19.01.

Moderation:
Prof Dr Peter Pickel, VDI Professional Association Technologies of Life Sciences

From agricultural diesel subsidies to a renewable drive incentive: Which incentive mechanisms encourage the use of renewable propulsion energy in agriculture?
Dr Thomas Decker, University of applied sciences Weihenstephan-Triesdorf

Building acceptance through dialogue: Which communication strategies can encourage the adoption of renewable energy sources for agricultural machinery?
Johannes Buchner, University of applied sciences Weihenstephan-Triesdorf

An intersection of fuels from photosynthesis and chemical synthesis
Danan Dou, Deere & Company

From Fossil to Renewable: STIHL's Strategy for Sustainable Fuels in Professional Power Tools
Dr Jens Melder, Andreas STIHL AG & Co KG

16:30 END OF THE EVENT

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