

FUELS OF THE FUTURE 2027



24th International Conference on Renewable Mobility

SHAPING THE TRANSITION—FULL STEAM AHEAD FOR RENEWABLES

18–19 January 2027 | CityCube Berlin

Call for Papers

Submission deadline 2 June 2026

Looking for speakers

Organisers:

BBE | BUNDESVERBAND
Bioenergie e.V.

ufop

BDB^e
Bundesverband der deutschen
Bioethanolwirtschaft e.V.

**Fachverband
BIOGAS**

VDB

Patron:

 Federal Ministry
for Digital
and Transport

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THE MOBILITY TRANSITION NEEDS INNOVATIVE SOLUTIONS – AND YOUR EXPERTISE

The 24th International Conference “Fuels of the Future” will take place on 18–19 January 2027 at CityCube Berlin. Over the past years, the conference has developed into Europe’s leading platform for renewable fuels, showcasing current developments and innovation potential for the defossilisation of transport across road, maritime and aviation sectors.

This takes place in an increasingly complex regulatory environment at EU level, which is reflected in the Member States and presents new challenges for stakeholders along the entire international value chain – all the way to the vehicle tank.

Under the conference theme “Shaping the Transition—Full Steam Ahead for Renewables”, the event brings together experts from politics, industry and science. The first day focuses on regulatory frameworks and funding conditions, while the second day addresses developments in feedstock and biofuel markets as well as innovative technologies, strategies and concepts for sustainable mobility and renewable fuels.

Now it’s your turn: submit your topic proposals, research findings and practical case studies and actively contribute to shaping the future of mobility. Take the opportunity to present your ideas and innovations to an international expert audience and connect with industry leaders worldwide. Let’s drive the mobility transition forward together.



Let’s shape the future of mobility together!



DEADLINE FOR TOPIC SUBMISSIONS: 2 JUNE 2026

INTERNATIONAL CONFERENCE “FUELS OF THE FUTURE”

2

day programme

700

participants

90

speakers

Presentations,
exhibitor forum &
evening event

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CONFERENCE TOPICS

THE FOLLOWING TOPIC AREAS SERVE AS A GUIDELINE FOR YOUR SUBMISSION

Policy framework for renewable fuels, sustainable mobility and climate protection

- » Future of mobility: regulatory frameworks for renewable fuels
- » Impact of European climate legislation on the transport sector
- » European Green Deal and “Fit for 55”: the contribution of renewable fuels to achieving EU climate targets
- » Support mechanisms: political incentives and investment programmes for market deployment of renewable fuels
- » Role and economic outlook of biofuels from renewable resources up to and beyond 2030
- » Role and economic outlook of biofuels within renewable energy and climate policy in the transport sector up to and beyond 2030
- » Role and economic potential of waste and residues for the expansion of biofuels up to and beyond 2030
- » Energy security aspects of biofuels and renewable fuels
- » GHG quota: current status of implementation and future perspectives in Germany
- » Implementation of GHG reduction obligations in other EU Member States and globally
- » Sustainable finance and Scope 3 reporting – drivers for increased use of biofuels?
- » Financing of projects: public funding and private investment
- » Importance of renewable fuels from the perspective of the automotive and supplier industry
- » Integration of renewable fuels into public transport
- » Expansion of refuelling and charging infrastructure for renewable mobility
- » Evaluation of National Energy and Climate Plans (NECPs)

Strengthening communication for renewable fuels

- » Innovative communication strategies and measures for renewable fuels
- » The use of AI in the renewable fuels sector

Submit your topic online!

www.kraftstoffe-der-zukunft.com/en/conference/become-a-speaker

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Quality control and certification: how can we maintain our standards?

- » Sustainability requirements: implementation and monitoring of environmental and social standards in biofuel policy – learning from past challenges
- » Auditing the sustainability of biofuels and renewable fuels
- » Implementation of RED III in EU Member States
- » Importance of certification for international markets
- » Union Database: current status
- » Status of implementation of certification systems in EU Member States
- » Role of sustainability certification for biofuels as a model for the bioeconomy and wider industry
- » Comparison of certification systems: North and South America, EU and Asia
- » Ensuring sustainability criteria and quality standards in international trade
- » Measures to prevent fraud in imports of biofuels from waste oils and fats
- » Market access barriers for established biofuels – potential consequences
- » Feedstock potential and future supply: options and certification requirements (extension of Part A Annex IV / challenges related to intermediate crops and cultivation on “degraded” land)
- » Verification of carbon sequestration in soils

The journey is the destination: progress in e-fuels

- » E-fuels / synthetic biofuels: pilot projects and current state of research
- » Different process engineering approaches for the production of PtX fuels (e-fuels)
- » Power-to-X and Power-to-Gas – potential and expansion prospects
- » E-fuels: technological developments and economic feasibility

Bioethanol – unlocking its potential

- » Market developments for bioethanol
- » International experience and best practice examples with higher bioethanol blending rates
- » R&D projects for the further development of bioethanol

International trade in renewable fuels

- » International markets: trade strategies and certification of renewable fuels
- » Impact of tariffs on international feedstock and biofuel trade, as well as on biofuel production and market development in the EU
- » Importance of policy support frameworks for current and future biofuel markets in third countries

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Feedstocks for biofuel production and trade

- » Optimisation of agricultural feedstock cultivation
- » Biofuels and feedstocks in the context of agricultural trade and markets
- » Greenhouse gas accounting, certification and potential of biofuels from cultivated biomass as well as waste and residues
- » Impact of tariffs on international agricultural trade and national biofuel production – potential displacement effects
- » Low-cost imports in global trade and their impact on domestic production
- » Price trends for feedstocks and the role of biofuel markets in third countries

Advanced alternative fuels – from research to practice

- » Role of advanced biofuels in German and international biofuel policy frameworks
- » Market incentives and R&D funding: current status and future perspectives
- » Development and evaluation of innovative process technologies for sustainable biofuels – competitiveness of feedstocks and production pathways
- » Technologies approaching market maturity
- » Planned demonstration plants and R&D projects

Fuel research – unlocking innovation potential

- » Development of innovative drive technologies and renewable fuels
- » R&D projects for the further development of biodiesel, bioethanol and vegetable oil fuels
- » Fuel cell, electric and hybrid drive systems
- » Fuel blends, quality and engine compatibility
- » Digital twins for sustainable mobility: simulation and optimisation
- » Regulatory approvals and compliance with emissions standards as key to market access

Biomethane and bio-LNG in transport

- » Market development of biomethane in the transport sector in Germany, Europe and globally
- » Opportunities in fleet and heavy-duty transport
- » Funding instruments, infrastructure, feedstocks and quality requirements
- » Best practice examples of biomethane and bio-LNG in transport (national and international)
- » Bio-LNG as an additional option for the oil and gas industry

Biofuels from waste and residues

- » Biofuels from waste and residues – current and future sustainable potential
- » Hydrotreated vegetable oils and animal fats (HVO): potential and priority areas of use
- » Strategies and concepts for the recovery of residues and waste streams (e.g. used cooking oils, animal fats)
- » Contribution of waste-based biofuels to decarbonisation of the EU transport sector
- » Chemical industry as a competing sector for feedstocks

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Green hydrogen from renewable energy

- » Green hydrogen and hydrogen from biomass: state of the art, current projects and future prospects
- » Economic viability of green hydrogen across different mobility sectors
- » Best practice examples of green hydrogen applications in transport

Climate-friendly transport: renewable fuels in heavy-duty and freight transport

- » Biofuels and renewable fuels in heavy-duty and freight transport
- » Key success factors for unlocking customer potential
- » Best practice examples from heavy-duty transport

Green waterways: biofuels and renewable fuels in shipping

- » Biofuels and renewable fuels in shipping
- » R&D projects on the use of renewable fuels in shipping
- » Best practice examples from inland and maritime shipping
- » Cruise shipping: increasing acceptance through sustainable alternative fuels

Take off! Renewable fuels in aviation

- » Biofuels and renewable fuels in aviation
- » R&D projects on the use of renewable fuels in aviation
- » Best practice examples from the aviation sector

Green power in agriculture and forestry – renewable energy for agricultural and forestry machinery

- » Use of renewable drive systems in agriculture and forestry (national and international)
- » Climate protection potential through renewable drive systems in agriculture and forestry
- » Concepts for GHG reduction strategies in agriculture
- » Best practice examples for the use of renewable drive systems in agriculture and forestry
- » Market entry and product strategies of the agricultural machinery industry
- » Technological developments and research activities
- » Viable solutions for new and existing machinery (e.g. biodiesel, vegetable oil, biomethane, hydrotreated vegetable oils – HVO)
- » Implementation of the KTBL guideline “Use of renewable energy sources in agricultural machinery”

Renewable mobility at municipal level

- » Best practice examples in municipalities with multiplier effects for the use of biofuels and renewable fuels
- » Innovative mobility concepts in municipalities
- » Regional and urban mobility concepts, including car-sharing
- » Role model function of municipalities and public sector organisations

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STUDENTS & PHD CANDIDATES – TAKE NOTE

Submissions from students and PhD candidates to the Call for Papers will automatically be considered for the Young Talent Award.



Young Talent Award “Fuels of the Future 2027”

Present your research results, projects, theses or dissertations at the 24th International Conference on Renewable Mobility “Fuels of the Future”, taking place on 18–19 January 2027 in Berlin. Early-career researchers in the field of renewable mobility are warmly invited to participate in the Young Talent Award competition. As a leading event in the renewable fuels sector, the conference offers a unique platform to present your work to an international expert audience.

Present your research project in just 160 seconds using the dynamic Pecha Kucha format. You may use eight slides, each displayed for exactly 20 seconds. Prefer to present in English? You are very welcome to do so. You will be presenting to an international audience of renewable mobility experts.

Immediately afterwards, the audience will select a winner from all participating young researchers via live voting using the tool “Slido”.

The winner will have the opportunity to present their research in a 20-minute session at the “Fuels of the Future 2028” conference, followed by a Q&A session. Travel and accommodation costs for 2028 will be covered.

More information:

www.fuels-of-the-future.com/conference/young-talents-competition

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Join us as a partner or exhibitor!

YOUR CONTACT PERSONS



Elisa Kastner-Kresnik
 Event & Marketing Manager
 German Bioenergy Association (BBE)
 Phone: +49 (0) 30 27 58 179 – 25
 EMail: kastner@bioenergie.de



Judith Wagner
 Event Manager
 German Bioenergy Association (BBE)
 Phone: +49 (0) 30/27 58 179 – 287
 EMail: wagner@bioenergie.de

www.fuels-of-the-future.com

Organisers:



Patron:

