

#fuels2023
NAVIGATOR
FOR SUSTAINABLE MOBILITY!

1

Energy transition in transport between the challenges of security of supply and climate change mitigation
10:00 – 13:00, ROOM A6

Moderation:
Stefan Walter, BDB^e

- 10:00 **Security of supply, climate change mitigation and bioeconomy through sustainable biofuels**
Artur Auernhammer, BBE Chairman
- 10:20 **Renewable fuels and alternative drives – framework conditions for innovation and sustainability**
Oliver Luksic, BMDV
- 10:50 **Breakthrough in EU legislation for the energy transition in transport?**
Norbert Lins, MEP
- 11:20 **Recommendations of the Expert Advisory Board “Climate change mitigation in mobility for development of renewable fuels**
Prof. Dr. Meike Jipp, DLR
- 11:50 **Energy supply security in the transport sector; what is needed for it?**
John Cooper, FuelsEurope
- 12:20 **Discussion**

13:00 – 14:00
LUNCH AND NETWORKING BREAK

2

Panel discussion: Consequences of the war in Ukraine: Is security of supply sidelining climate change mitigation?
14:00 – 15:30, ROOM A6

Moderation:
Sonja van Renssen

- Matti Lehmus
NESTE
- Norbert Lins
MEP
- Prof. Dr. Ing. Christian Küchen
en2x
- Dr. Monika Griefahn
eFuel Alliance
- Claus Sauter
VERBIO
- Dr. Anita Breyer
BMUV

15:30 – 16:15
COFFEE AND NETWORKING BREAK

3

MONDAY, 23.01.2023

Implementation of RED III: How will quota regulations in the EU look in future?
16:15 – 18:15, ROOM A6

Moderation:
Elmar Baumann, VDB

- 16:15 **Expanding sustainable production and use of bio-based fuels, chemicals and materials improves capacity to respond to market disruptions**
Keith L. Kline, ORNL, USA
- 16:45 **Overview of quota developments in selected EU Member States**
Dr.-Ing. Franziska Müller-Langer, DBFZ
- 17:15 **From theory to practice: pitfalls and solutions to respond to stricter GHG reduction provisions**
Dominik Trisl, Jan Röstel, q-bility
- 17:45 **GHG quota from electricity: Where are we heading?**
Zoltan Elek, Landwärme
- 18:15 **Young Talent Promotion Award Eco-Runner: the world's most efficient hydrogen powered city car**
Kaatje Bout und Eliane van Boxtel, Delft University of Technology

19:00 **Bioenergy evening reception**
at hub27 (trade fair area)

4A

E-Fuels | The journey is the reward – progress in R&D projects
9:00 – 11:00, ROOM M1-M3

Moderation:
Dr.-Ing. Franziska Müller-Langer, DBFZ

- 9:00 **Fuel roadmap for the energy transition in transport**
Dr.-Ing. Juliane Prause, DLR
- 9:25 **Renewable Oxygenate Fuels – Insights into R&D Projects**
Prof. Dr.-Ing. Jakob Burger, TU Munich
- 09:50 **Development of e-fuel projects – Accelerating the transition to aviation with renewable energies**
Karl Hauptmeier, Norsk e-Fuel
- 10:15 **Systematic, technology-neutral assessment of available, potentially promising production pathways for sustainable e-fuels for the German transport sector**
Dr. Ralph-Uwe Dietrich, DLR
- 10:40 **Bridge the green transformation: trade green fuels, e-fuels and CO₂ reductions digitally**
Benedikt Gerber, eQuota

4B

Bioethanol
9:00 – 11:00, ROOM M4-M5

Moderation:
Christine Kroke, BDB^e

- 9:00 **Focus E2o – Renewable fuels as a complementary strategy to electromobility**
Prof. Dr. Thomas Garbe, Volkswagen
- 9:30 **Effect of E10 and E20 derivatives in WLTC using a gasoline vehicle with variable compression**
Prof. Dr.-Ing. Markus Jakob, Coburg University
- 10:00 **Origin, effects and control of lignocellulosic inhibitors in bioethanol production**
Mr. Nikki Sjulander, Estonian University of Life Sciences
- 10:30 **sunliquid® technology: Low-carbon cellulose ethanol for sustainable mobility**
Dr. Nikolas Jacobsen, Clariant Products

4C

Biofuels and renewable fuels in agriculture and forestry
9:00 – 11:00, ROOM M6-M7

Moderation:
Prof. Dr. Peter Pickel, John Deere

- 9:00 **Are rapeseed oil, biodiesel and HVO suitable as fuels for the latest tractor generation?**
Dr. Johannes Ettl, TFZ
- 9:30 **DEUTZ engines for use of biofuels and renewable fuels in mobile machinery**
Markus Winkler, Deutz
- 10:00 **Conversion kit for bio-LNG drive for tractors**
Dariusz Dembowski, Kaldem ATS
- 10:30 **E-tractors deployed in agriculture**
Leonard von Stillfried, AGCO

4D

TUESDAY, 24.01.2023

Advanced alternative fuels – From research to practice
9:00 – 11:00, ROOM M8

Moderation:
Prof. Dr. Thomas Willner, HAW Hamburg

- 9:00 **Climate change mitigation in the transport sector – BMDV master plan for renewable fuels**
Matthias Spöttle, BMDV
- 9:25 **What role for advanced biofuels in reducing emissions from transport?**
Marko Janhunen, UPM
- 9:50 **Methanol as a Key Element for the Production of Fuels from Renewable Resources**
Prof. Dr.-Ing. Jörg Sauer, KIT
- 10:15 **CO₂-Decarbonisation & CO₂ as Future Feedstock**
Dr. Armin Günther, Air Liquide
- 10:40 **Holistic techno-economic and life cycle assessment: well-to-wheel analysis of renewable methanol fuels**
Fabio Voit, RWTH Aachen

11:00 – 11:30 COFFEE AND NETWORKING BREAK

5A

Fuel research
11:30 – 13:30, ROOM M1-M3

Moderation:
Prof. Dr. Jürgen Krahl, TH OWL

- 11:30 Digital twin for fuels**
Prof. Dr.-Ing. Georg Heinrich Klepp,
Prof. Dr.-Ing. Thomas Schulte, TH
OWL
- 11:55 Digital Fuel Twin – Visibility
of carbon footprint at the fuel
pump – today!**
Bjoern Noack, Robert Bosch, John
Cooper, FuelsEurope
- 12:20 Application of biodiesel in
current passenger car and
commercial vehicle fleets**
Dr. Richard Wicht, AGQM
- 12:45 Investigation of the system
compatibility of the novel
synfuel REDIFUEL**
Simon Eiden, TEC4FUELS
- 13:05 Studies on diesel fuels with
high renewables content**
Sebastian Feldhoff, OWI

5B

Biomethane as a fuel
11:30 – 13:30, ROOM M4-M5

Moderation:
Dirk Bonse, German Biogas Ass.

- 11:30 BIOcNG customer solution**
Dr. Olaf Rumberg, E.ON
- 12:00 Biomethane as a fuel from
municipal biowaste – use as a
fuel in waste collection vehicles**
Wilhelm Winkelmann, BSR Berlin
- 12:30 Pilot SBG – Renewable
methane as a building block
for a climate-neutral transport
sector**
Karin Naumann, DBFZ
- 13:00 Biomethane as a fuel in
the context of the political/
regulatory framework**
Mario Männlein, Iveco Magirus

5C

Biofuels and renewable fuels in
shipping
11:30 – 13:30, ROOM M6-M7

Moderation:
Prof. Dr.-Ing. Bert Buchholz,
Rostock University

- 11:30 An emissions and efficiency
investigation on maritime
biofuels in service**
Prof. Dr.-Ing. Wolfram Gottschalk,
IAV
- 12:00 Political framework and
research approaches for
sustainable Marine Fuels**
Dr. Fanny Langschwager, Rostock
University
- 12:30 Climate change mitigation in
shipping – Setting sail for LNG
and synthetic fuels? The cruise
industry's perspective**
Stefan Fahrholz, Carnival
Maritime
- 13:00 Climate change mitigation
in shipping – Setting sail for
LNG and synthetic fuels? Port
operators' perspectives; results
from the SHARC project**
Prof. Dr. Martin Wittmaier, Bremen
University

5D

Biofuels from waste
and residues
11:30 – 13:30, ROOM M8

Moderation:
Detlef Evers, MVaK

- 11:30 From mixed plastic waste to
fuel**
János Kincses, Electraplan Termelő
- 11:55 RepCAT: a revolution in
biodiesel technology**
Manfred Baumgartner,
BDI-BioEnergy
- 12:20 Fuel security taggants to
prevent biofuel adulteration**
Dr. Thomas Burns, Tracerco
- 12:45 Challenges in analytic methods
for new advanced feedstocks**
Fabian Schmitt, Tecosol
- 13:10 A new process for the
production of fuels from
contaminated used fats**
Thorsten Dunker, Nexxoil

TUESDAY, 24.01.2023

13:30 – 14:30 LUNCH AND NETWORKING BREAK

6A

Energy industry – Green hydrogen
14:30 – 16:30, ROOM M1-M3

Moderation:
Werner Diwald, DWV

- 14:30 Good things come to those who
wait? – The EU Commission's
Delegated Act on use of
hydrogen in the transport
sector**
Burkhard Hoffmann, Foundation
Environmental Energy Law
- 15:00 Pipeline-based supply of
hydrogen filling stations**
Dr. Dietrich Gerstein, DVGW
- 15:30 Green hydrogen from slurry
– CO₂-negative fuel from the
agricultural sector**
Dr.-Ing. Andy Gradel, BtX energy
- 16:00 Dark fermentation**
Leon Müller-Noell, BtX energy

6B

Biomethane international
14:30 – 16:30, ROOM M4-M5

Moderation:
Jörg Fischer, EnviTec Biogas

- 14:30 Biomethane 4.0: More than
zero emissions in CNG and LNG**
John Cosmo Dwelle, Landwärme
- 14:55 There's more to it than slurry,
manure and organic waste
bins – Using production
waste to generate fuel-grade
biomethane**
Florian Siebert, bmp greengas
- 15:20 Biogas reforming for synthesis
of regenerative methanol**
Benedikt Bender, OWI
- 15:45 Driving the transport revolution
with biofuel from Germany**
Jörg Fischer, EnviTec Biogas
- 16:10 Local vehicle refuelling with
biogas**
Carsten Steentjes, PlanET Biogas

6C

Biofuels and renewable fuels in
aviation
14:30 – 16:30, ROOM M6-M7

Moderation:
Prof. Dr. Martin Kaltschmitt, TU Hamburg

- 14:30 Reporting and accounting of
sustainable aviation fuel (SAF)
– A 'book & claim' concept**
Nils Bullerdiek, TU Hamburg
- 15:00 The regulatory framework for
sustainable aviation fuels (SAF)
in the EU and Germany**
Korinna Jörling, NOW
- 15:30 Making sense of ReFuel EU
Aviation: Availability and
sustainability of SAF**
Jonathan Wood, Neste
- 16:00 The role of SAF in decarbonising
the aviation sector – what is
needed for an implementation
at pace?**
Sofia Chrysafi, Niels Anspach, BP
Europa

6D

International biofuel trade
14:30 – 16:30, ROOM M8

Moderation:
Torsten Weidemann, BDB^e

- 14:30 Renewable transport fuel
supply and demand outlook**
Cornelius Claeys, Stratas Advisors
- 15:00 Did the Ukraine war squeeze
European biofuel production
margins?**
Sean Bartlett, Quantum
- 15:30 Overview of global trade of
biofuels**
Jinlei Feng, IRENA
- 16:00 Potential changes in global HVO
& UCO trade flows**
Monika Rajoria, S&P Global

TUESDAY, 24.01.2023

16:30 END OF CONFERENCE