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Technology Collaboration Programme on
Advanced Motor Fuels

AMF Annex 59 Expert Workshop Lessons Learned from Alternative Fuels Experience



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Participants of AMF Annex 59

Public chat

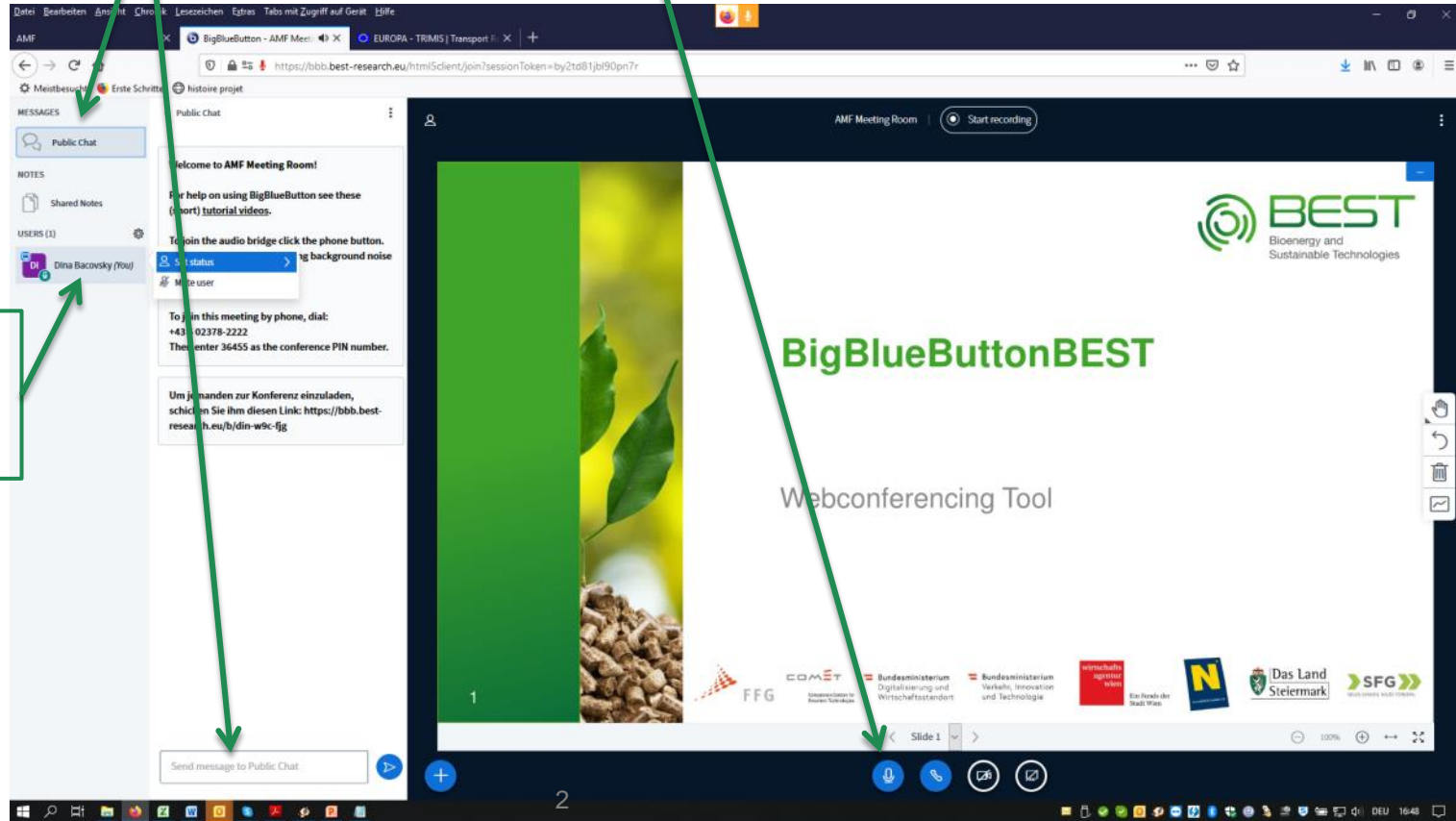
Mute / unmute
yourself

Raise your hand:

Left-click on your name

Click on set status

Choose the hand symbol



The screenshot shows a web browser window displaying a BigBlueButton meeting room. The interface includes a left sidebar with 'MESSAGES' (Public Chat), 'NOTES' (Shared Notes), and 'USERS (1)' (Dina Bacovsky (You)). The main content area shows a welcome message and a presentation slide titled 'BigBlueButtonBEST' with the subtitle 'Webconferencing Tool'. The presentation slide features the BEST logo (Bioenergy and Sustainable Technologies) and logos for FFG, COMET, Bundesministerium Digitalisierung und Wirtschaftsstandort, Bundesministerium Verkehr, Innovation und Technologie, Wirtschaftliche Erneuerung des Staates, N, Das Land Steiermark, and SFG. The bottom of the interface has a toolbar with icons for mute, video, chat, and help. A green box labeled 'Public chat' has an arrow pointing to the chat input field. Another green box labeled 'Mute / unmute yourself' has an arrow pointing to the mute icon in the toolbar. A third green box labeled 'Raise your hand: Left-click on your name Click on set status Choose the hand symbol' has an arrow pointing to the user name 'Dina Bacovsky (You)' in the sidebar.

Agenda

Title	Presenter
Welcome and introduction to IEA AMF Annex 59	Andrea Sonnleitner, BEST - Bioenergy and Sustainable Technologies
Lessons Learned from the Austrian Case Studies	Andrea Sonnleitner, BEST - Bioenergy and Sustainable Technologies
Lessons Learned from the Chinese Case Study	Ye Wu, Tsinghua University
Lessons Learned from the Finnish Case Studies	Nils-Olof Nylund, VTT Technical Research Centre of Finland
Lessons Learned from the Japanese Case Studies	Masayuki Kobayashi, Organization for the Promotion of Low Emission Vehicles (LEVO)
Lessons Learned from the Swedish Case Studies	Magnus Lindgren, Swedish Transport Administration
Lessons Learned from the U.S. Case Studies	Michael Wang, Argonne National Laboratory
Discussion on Key messages	
Closing remarks	

AMF Annex 59

Lessons Learned from Alternative Fuels Experience

- IEA Advanced Motor Fuels Technology Collaboration Programme
www.iea-amf.org
- Annex 59 Lessons Learned from Alternative Fuels Experience
https://www.iea-amf.org/content/projects/map_projects/59
- 04/19-12/20
- 6 participating countries

Background

AMF Annex 59 Lessons Learned from Alternative Fuels Experience

DECARBONISING THE TRANSPORT SECTOR

= key goal of national and international climate change mitigation policies

ALTERNATIVE FUELS AND PROPULSION SYSTEMS to reduce greenhouse gas emissions and local pollutant emissions from the transport sector

Former Market introductions

AMF Annex 59 Lessons Learned from Alternative Fuels Experience

- Since energy crisis of the 1970s – many countries promoted the use of alternative fuels
- Implementation attempts not always successful
 - What are the reasons for that?
 - What are success factors or what are obstacles?
 - What can be learned from this former attempts?



Project AMF Lessons Learned

Methodology

AMF Annex 59 Lessons Learned from Alternative Fuels Experience



Case Studies

AMF Annex 59 Lessons Learned from Alternative Fuels Experience

Austria

Low blend
biofuels

E10

Natural
gas /
biogas

China

Ethanol

Finland

E10

E85

Drop-in
components
for diesel

Biogas

Japan

Low blend
biofuels

Natural
gas

Sweden

Reduction
obligation

High blend
biofuels
and biogas

E85

USA

Low and high
level blends
of ethanol

Methanol
and FFVs

Natural
gas

Outlook

Today's discussion will contribute to the findings of our project

Today's presentations and a summary of the discussion will be available online

Project ends with December 2020 – the final report and AMF key messages will be available soon afterwards

More information on the project:

https://www.iea-amf.org/content/projects/map_projects/59

Event note

IEA Bioenergy Webinar – The Contribution of Advanced Renewable Transport Fuels to Transport Decarbonisation in 2030 and beyond

17th of November 2020

Presenters:

- Dina Bacovsky, Unit Head Biofuels, BEST – Bioenergy and Sustainable Technologies, Austria
- Juhani Laurikko, Senior Research Scientist, VTT, Finland
- Adam Brown, Managing Director, Energy Insights, UK/France

<https://www.ieabioenergy.com/iea-publications/webinars/>



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**Thank you very much for your valuable
input and the interesting discussion**