



BIOFMET stakeholder's committee meeting

May 30th, 2023, 9:00-11:00 CEST

Jan Nielsen, Danish Technological Institute (DTI)

Aim:

To optimize energy production based on solid and liquid biofuels through more accurate and faster determination of parameters impacting the calorific value (moisture, impurities, ash-content)

The project is interdisciplinary between thermal and chemical quantities

Objectives:

- To develop traceable online measurements for water content in solid biofuels,
- To develop improved methods for the sampling of biofuels
- To develop validated methods for the online measurement of ash content.
- To develop validated methods to determine the amount and nature of impurities in liquid biofuels
- To develop a traceable method for the online determination of the calorific value of liquid biofuels

PARTICIPATING EURAMET NMIS AND DIS

CMI (Czech Republic)



DTI (Denmark)



IMBiH (Bosnia and Herzegovina)



INM-RO (Romania)



LNE-CETIAT (France)



PTB (Germany)



UME (Turkey)



OTHER PARTICIPANTS



České Vysoké Učení Technické v Praze (Czech Republic)



Instituto Superior Tecnico (Portugal)



Prometec Tools Oy (Finland)



Université d'Aix-Marseille (France)



Verdo Produktion A/S (Denmark)

The Stakeholder Committee

The **stakeholder committee** has representatives of the main stakeholder group:

- Standardisation bodies, Laboratories, RMO's, trade- and industry associations, producers and traders of biofuels, operators of biofuel fired powerplants, companies delivering services and instrumentation for process automation and optimization
- The aim of the stakeholder committee is to clarify the needs of the various interested parties and to feed these into the project
- The stakeholder committee is encouraged to disseminate project results to create the highest possible impact

Meeting aims and objectives

- To present (some of) the results of the project
- To get feed-back on the work and get input to identify next steps, e.g.
 - New services needed
 - Input to standardization
 - How to spread the good news
 - ...

Agenda

9:00 Welcome, Jan Nielsen, DTI

- Introduction to the BIOFMET project
- Introduction of the participants

9:20 Results of BIOFMET (Q/A after each presentation)

- General introduction to traceability in measurements, Jan Nielsen, DTI
- How to ensure traceability by means of a transfer instrument, Eric Georgan, CETIAT
- Analytical methods for determining major and trace elements in solid biofuels and ash, Katarina Hafner-Vuk, IMBiH
- The input to standardization - sampling and measuring, Timo Huotari, PROMETEC and Moaaz Shehab, PTB
- Production and Certification of BIOFMET Project Reference materials, Alper İşleyen, TUBITAK

10:35 Stakeholders' Roundtable


- Perspectives of the stakeholders on the BIOFMET project activities.

10:55 BIOFMET on-line training, Raquel Segurado, IST

Institution	Country	Meeting May 10 th
OPET	Türkiye	Yes
TÜPRAŞ	Türkiye	Yes
Danish District Heating Association	Denmark	Yes
Pemit, s.r.o.	Czech Republic	Yes/no
SUMMIT Electronics	Denmark	Yes/no
Institute for Standardization	Bosnia and Herzegovina	Yes/no
Kuopion Energia Oy	Finland	Yes/no
Kainuun Voima Oy		
The Association Quality Ma		
VERDO trading		
PROPELLET		
Ways		
Andra	France	Yes/no
Torbel	Portugal	Yes/no
LGC	UK	Yes

Introduction of the participants

Stakeholders (3 min/participant) - What is my organization's interest in improved metrological methods and standards for liquid and solid biofuels? Where do I believe the greatest need is with respect to improving measurements and traceability?



19ENG09 BIOFMET - New metrological methods for biofuel materials analysis


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2nd BIOFMET Stakeholders Workshop

The **2nd BIOFMET Stakeholders' Workshop** will take place at PTB, in Braunschweig, Germany, on **28 and 29 of March 2023**.

The **Workshop on Metrology for Biofuel Industry** is intended to present the work in the BIOFMET project to interested parties from industries and research and to offer an open forum for discussions on the basis of lectures and posters about the current project progress.




[Read more](#)




New visit to VERDO CHP plant in Randers, Denmark

In October 2022, the BIOFMET project members from DTI and CETIAT returned to the Randers' CHP plant to carry out an industrial test of different methods for water-content measurement on the main fuel used in the plant.

[Read more](#)







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BIOFMET Project

New metrological methods for biofuel materials analysis (19ENG09)
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About

Biomass is a key element in biofuels which can be defined as a fuel produced through contemporary biological processes and can support the EU's aims of reducing greenhouse gas emissions. The information on the nature and the quality of the biomass or biofuel is important to support the optimisation of their combustion with respect to higher effic ... [see more](#)

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