

## BMA workshop 2020

A tremendous increase in the use of biomass as a replacement fuel for coal for the production of heat and power causes the production also of huge quantities of BiomassAsh ( BMA ). The present-day situation is that this process has progressed far beyond the point where small quantities of BMA could just disappear.

The conversion of coal-fired boilers into biomass fired result in comparatively large amounts of BMA at one place. Considering the Waste Hierarchy in the Waste Directive and the philosophy for power plant operation the produced ashes should be used as far as possible

If a landfilling tax apply, such an option is not the preferred outlet.

On top of that the wish to bring back essential nutrients and fertilizing agent to the forest or farmland in order to comply with Corporate Social Responsibility has gained more acceptance. Utilization in any form and the implications of the use of BMA is crucially important.

This in mind, the one-day workshop will concentrate updates for the utilization and handling of the various BMA's in the present situation. It is the belief that more effort is needed but at least the workshop will give a solid view of the present situation.

Discussion, questions and answers are expected.

## Monday November 9, 2020

- 08.30 Opening of workshop. Registration.
- 09.00 Introduction to the workshop,  
*Nicolai Bech, StandardConsult, Denmark.*
- 09.15 Combustion of pulverized biomass - Mitigation of ash related problems like slagging/fouling and corrosion,  
*Alexander Mack, IFK Stuttgart, Germany.*
- 09.45 Sampling of BioMassAshes,  
*Johan Wadenbäck, Ørsted, Denmark.*
- 10.15 Coffee
- 10.45 Update and implementation of the EU Regulation for Fertilizer in Europe,  
*Hans-Joachim Feuerborn,VGB, Germany.*
- 11.15 Developments in Biomass Ash use in the South of Germany and in Austria,  
*Johannes Bachmaier, TFZ, Straubing, Germany.*
- 11.45 Wrapping up the morning sessions.
- 12.00 Lunch.
- 13.00 Wood ashes: a new fertilizer for agriculture,  
*Sokrat Sinaj, Agroscope, Switzerland.*
- 13.30 Utilisation of wood ash in cement-based materials,  
*Lisbeth M.Ottosen, DTU, Denmark.*
- 14.00 The ASHBACK project,  
*Rasmus Kjøller, Univ. of Copenhagen, Denmark.*
- 14.30 Coffee break.
- 15.00 Agronomic effects of biomass ashes in combination with different crops, *Bettina Eichler, University of Rostock, Germany.*
- 15.30 Sewage sludge iron's impact on P availability, *Bengt Hansen, Kemira, Sweden*
- 16.00 Wrapping up the workshop.

## BMA Workshop 2020 Copenhagen, November 9, 2020

### Registration

Name / First Name\*

Title / Position

Company / Institute\*

Mailing Address\*

Company / Institute VAT number ( tax ID number )\*

Phone

E-mail\*

Special requirement ( eg. Food, vegetarian etc. )

A star ( \* ) represents mandatory information

- Fee, after October 1 2020, DKK 1950, - ex VAT**
- Fee, before September 30 2020, DKK 1650, - ex VAT**
- Fee for virtual participation, DKK 900, - ex VAT**

**Please return this registration form by Email until  
November 5, 2020 to:**

**bma@standardconsult.eu**



**Venue :**

The Danish Society of Engineers, IDA  
Kalvebod Brygge 31 – 33  
DK-1780 Copenhagen, Denmark  
Contact Person: Pia-Lykke Schøneberg

**Organizational Information:**

BMA Workshop is arranged by  
StandardConsult ApS  
Phone: +45 2641 7186  
E-mail: [nbe@standardconsult.eu](mailto:nbe@standardconsult.eu)

and

VGB PowerTech  
Hans-Joachim Feuerborn  
Email: [Hansjoachim.feuerborn@vgb.org](mailto:Hansjoachim.feuerborn@vgb.org)

**Sponsors:**

VGB PowerTech  
StandardConsult ApS

**Workshop language:**

English.

**Presentations:**

The presentations will be available after the workshop via a provided link at the VGB-website

**Accommodation**

The following hotel can be recommended:

Hotel WakeUp \*\*  
Carsten Nieburgsgade 11  
DK-1577 Copenhagen V  
Phone: +45 44 80 00 10

Please book online via:  
[www.Wakeupcopenhagen.com](http://www.Wakeupcopenhagen.com)  
Single room: 600-800 DKK = approx. € 95.-

The hotel is situated within walking distance from the venue.

**Travel information:**

The nearest airport is Copenhagen airport.  
From the airport you have the possibility to go

- by taxi ( approx. 35 €)
- by train, every 20 minutes, approx. 15 minutes to Copenhagen central station bus or metro

# BMA WORKSHOP 2020



**European Biomass Ash Workshop**

**COPENHAGEN / November 9 2020**

