

**EVUR** bioenergy2020+









### **Gas Analysis Workshop 2013**

## Tar & sulphur sampling and analysis

21<sup>st</sup> EU BMC+E, Bella Center, Copenhagen, 6<sup>th</sup> June 2013



- Where do we come from? Previous workshops
- Where are we today?
- Where do we want to go?
  - How to take action?





#### Protokoll

#### Workshop zum Messen von Teer

- Teermessung an Holzvergasungs-Motor-BHKW -

am

Montag, den 12. April 2010

in der

**TU Berlin** Institut für Energietechnik, FG EVUR Raum RDH 45, Fasanenstr. 89, 10623 Berlin



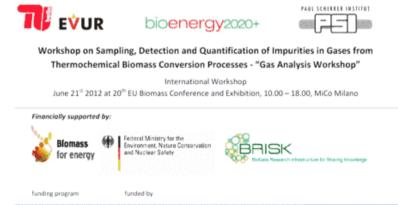
### 2011 Berlin

Measurement, Analysis and Monitoring of Condensable Gas Components (especially Tar) in Product-Gases from Biomass Gasification and Pyrolysis



Workshop on Sampling, Detection and Quantification of Impurities in Gases from Thermochemical Biomass Conversion Processes - "Gas Analysis Workshop"

2012 Milan



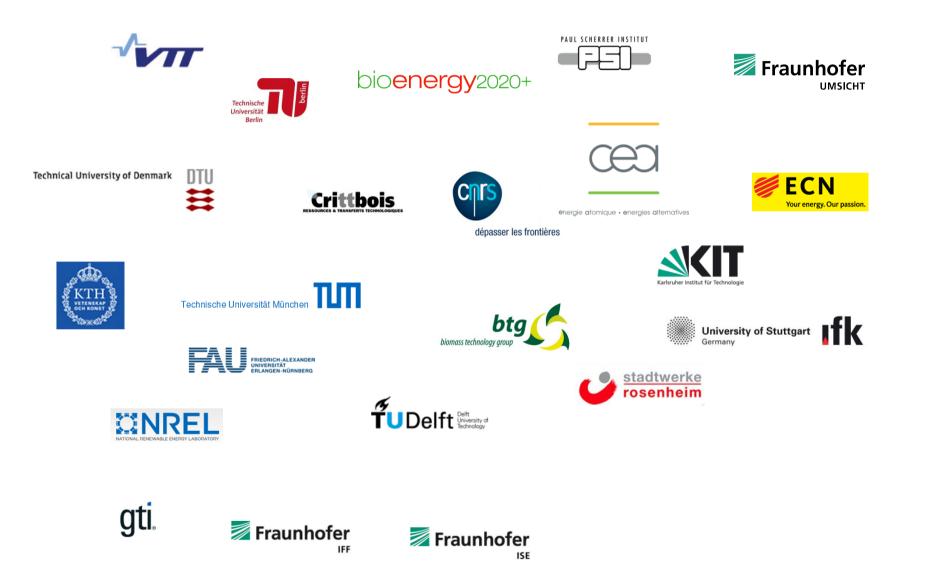
http://www.evur.tu-berlin.de/menue/forschung/veranstaltungen/



### Coming together is a beginning; keeping together is progress; working together is success.

Henry Ford (1863-1947)







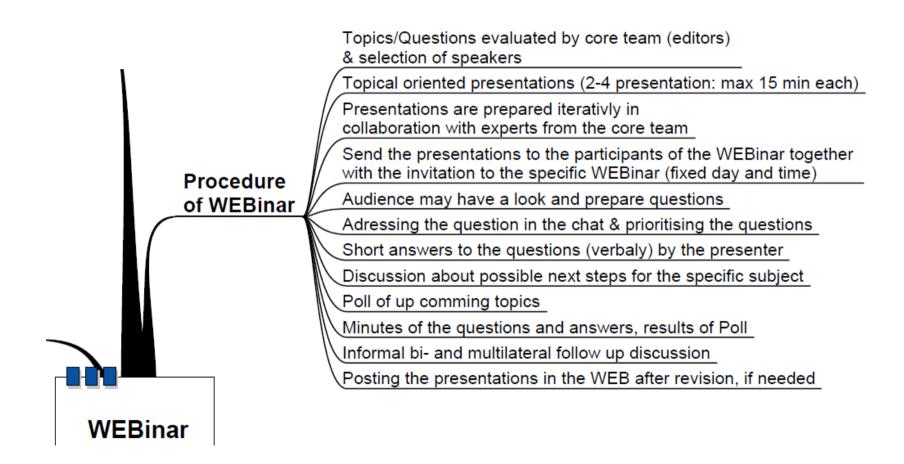
- Exchange of information and <u>experiences</u> (webinars / further meetings)
- Collaborative work (round robins)
- Improving existing methods where necessary (CEN/TS)
- Create repeatable and reproducable results
- Establish quality measures regarding analytics



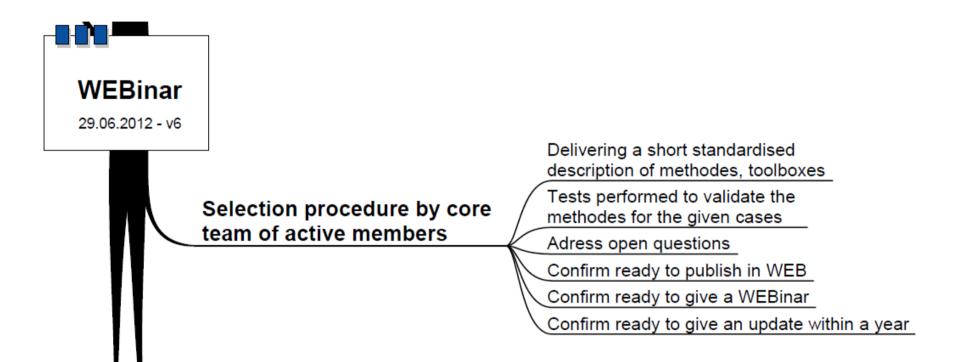
#### Exchange of information and experiences (webinars)

- Group of editors (experts on specific topics)
- one webinar one topic
- 2-4 presenters on a topic max,
- 1 hour presentation 15 min each
- ,discussion' questions
- Presentations will be made available via internet

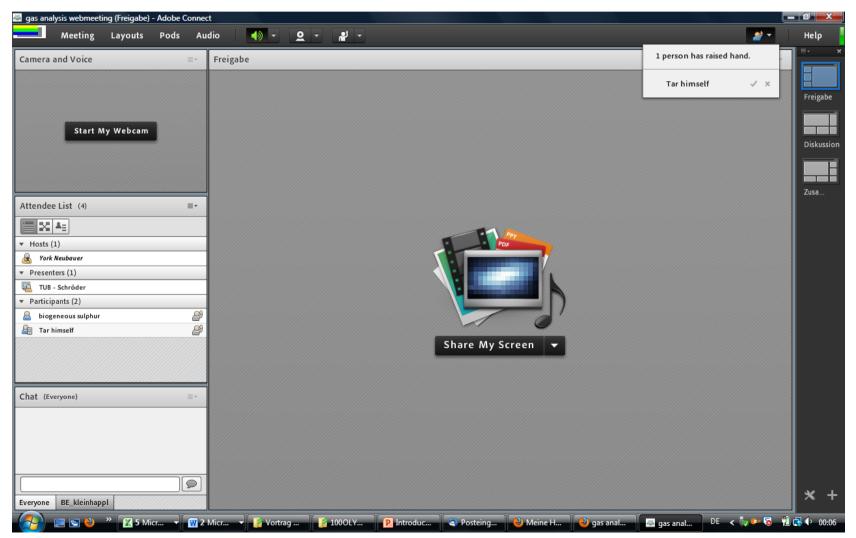




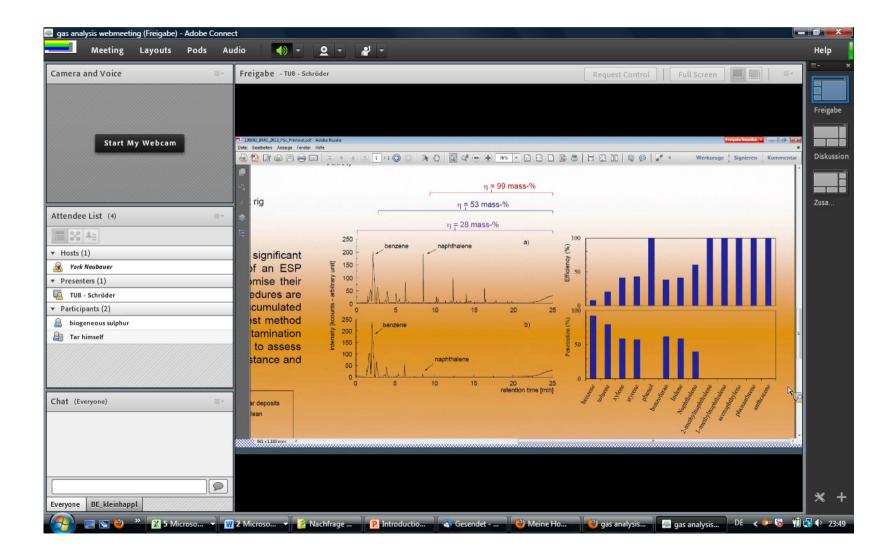




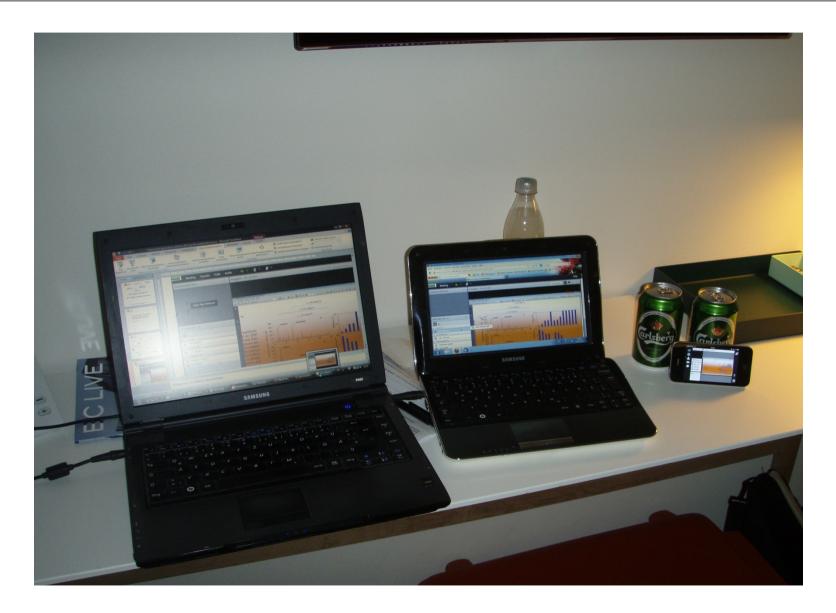




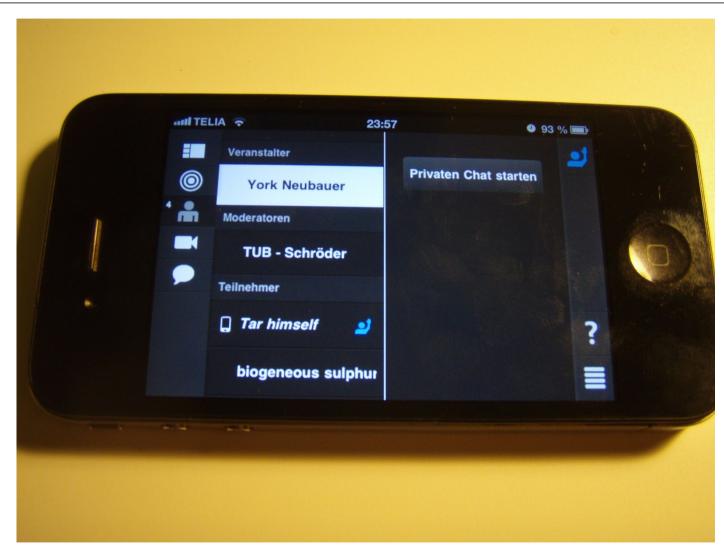














Dear Colleagues,

here the details for loggin in into this mornings webmeeting at 10.00 CET.

you find the meeting room under this link:

https://webconf.vc.dfn.de/gas\_analysis\_webmeeting/

To connect your adio via telephone choose one of the two dial in number listed below:

Germany - Berlin: +49-30-25410XX Germany - Stuttgart: +49-711-63301XY

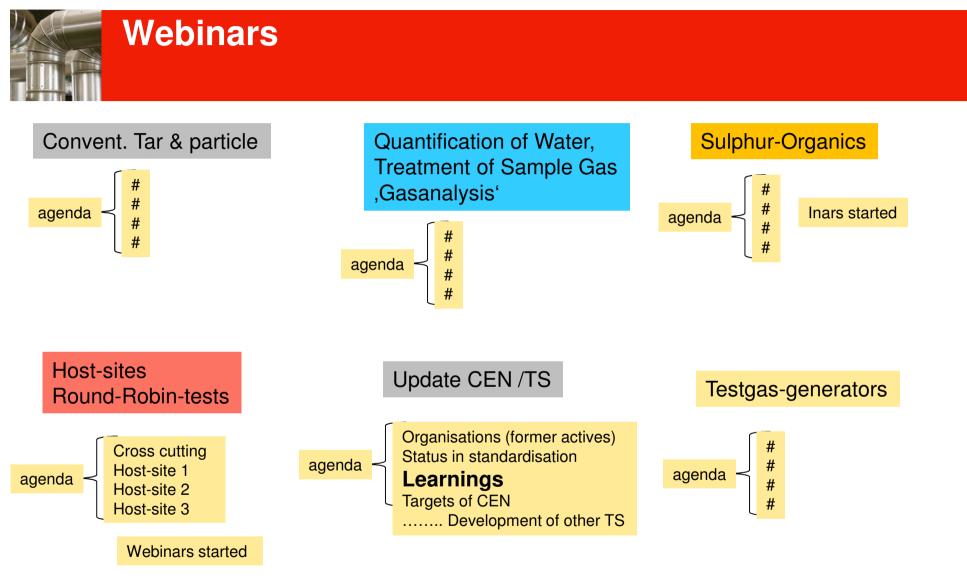
After the mesage type in the conference room number '87230468' followed by '#' into your telephone.

Access via headset is also possible. For this just connect on the website.

Note: At the moment the system gives me an error message reagrding the telephone access.... I am workin on it.

Best regards York

### bioenergy2020+



<sup>28.06.2013</sup> Prep. WS. 2013 slide 16



Experts to serve as editors for the webinars needed !

e. g.
FTIR application,

sampling analysis with μ-GC,
water content analysis
heavy tars
SPA sampling and analysis



Round robin testing and joint measurments to compare different analytical methods

will be topic of the presentations in the afternoon.



# Thank you!