

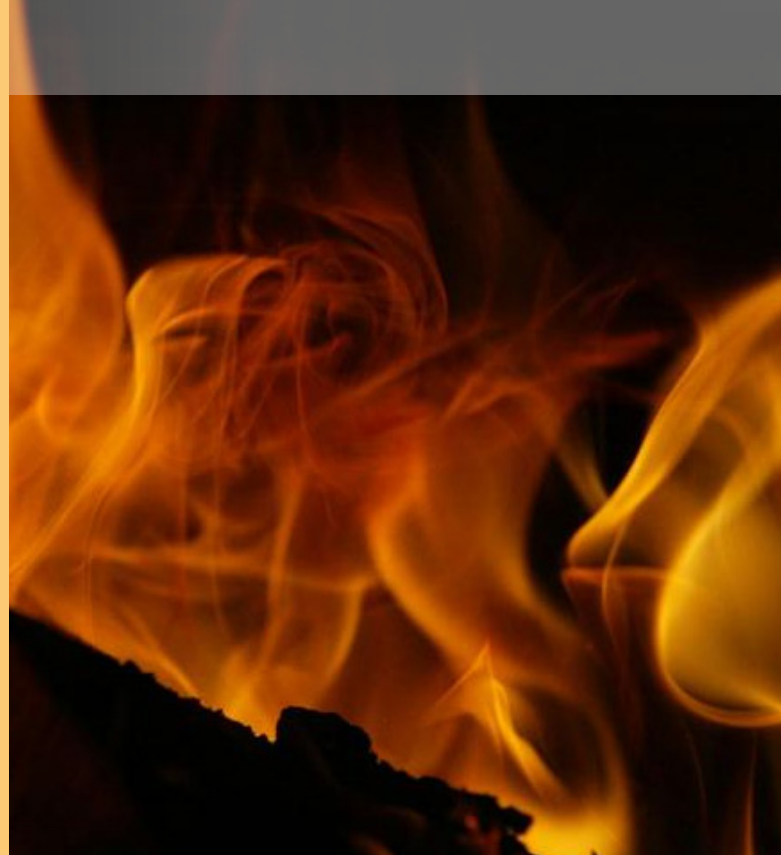
# REDUCING ASH RELATED OPERATIONAL PROBLEMS IN **WASTE WOOD** USING ADDITIVES

## Welcome...

...to a side workshop at **WORLD SUSTAINABLE ENERGY DAYS** in WELS, Austria on **February 28, 2019** at 9:30. The workshop is organized in the context of ERA-NET Bioenergy project REFAWOOD.

**Read more about the conference:**  
[www.wsed.at/en/world-sustainable-energy-days.html](http://www.wsed.at/en/world-sustainable-energy-days.html)

[www.refawood.com](http://www.refawood.com)

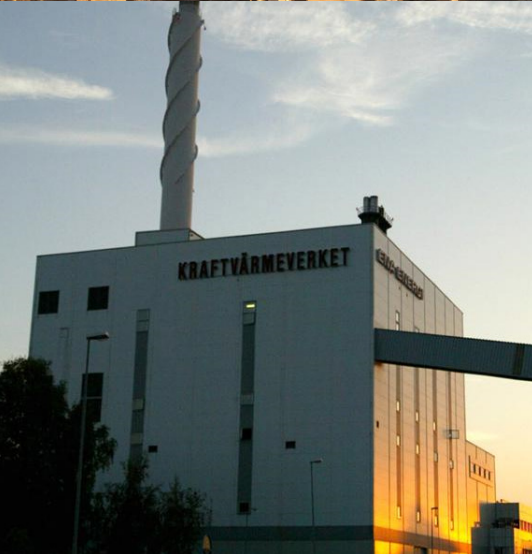


## Workshop focus

Our focus is on resource-efficient fuel additives for reducing ash related operational problems in waste wood combustion. The workshop will present results from the project focusing on the use of additives in waste wood combustion:

- *Fuel additive design concepts for reduction of ash related problems in waste wood combustion: Results from thermochemical modelling and laboratory measurements*
- *Waste wood and additives in large-scale combustion plants: Results from field measurements.*
- *Waste wood combustion for bioenergy: environmental and economic consequences of using low-cost additives to reduce ash-related problems.*

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## Speakers of the day

- **REFAWOOD-Project overview**  
Speaker: Coordinator, Susanne Paulrud  
Institution: RISE Research Institute of Sweden, Sweden
- **Elemental approaches to additives – mechanisms and dosage**  
Speaker: Nils Skoglund  
Institution: Department of Applied Physics and Electronics, Umeå University, Sweden
- **Small scale combustion of pelletized low quality wood – impact of the additives on ash characteristics and emission behaviour**  
Speaker: Thomas Zeng  
Institution: The Deutsches Biomasseforschungszentrum (DBFZ), Germany
- **Reductions in downtime when using additives in a large-scale biomass combustion plant**  
Speaker: Peter Sommersacher  
Institution: BIOENERGY 2020+ GmbH, Austria
- **The effect of additives on boiler corrosion**  
Speaker: Martin de Jong  
Institution: Dekra Solutions B.V., Netherlands
- **Forest residuals and additives in a medium scale CHP-plant - legal regulations for using waste wood in Poland**  
Speaker: Magdalena Sajdak and Wojciech Cichy  
Institution: Bioenergy Department, Wood Technology Institute, Poland
- **Waste wood combustion for bioenergy: environmental consequences of using low-cost additives to reduce ash-related problems.**  
Speaker: Blanca Corona  
Institution: Copernicus Institute of Sustainable Development, Utrecht University, Netherlands
- **Economic consequences of low cost additives in waste wood combustion plants**  
Speaker: Alwin Hoogendoorn  
Institution: Avans University of Applied Sciences, Netherlands

*Chair person during the workshop: Sara Janhäll, RISE Research Institutes of Sweden, Sweden*