

## RENEPRO Final Workshop Programme

Time: May 30th 2018, 8:30-15:30

Place: University of Oulu, Tellus Stage (Linnanmaa Campus, Pentti  
Kaiteran katu 1)



### Schedule

8.30-9:00 Coffee/Opening of the Workshop

#### *Presentation from industry*

9:00-9:30 **Towards CO<sub>2</sub> emission free steelmaking at SSAB**  
*Jarmo Lilja (SSAB Raahe)*

#### *Biomass upgrading*

9:30-10:00 **Bioreducer production from biomass: how operating conditions affect yields, properties, and inorganic release**  
*Marcus Öhman, Aekjuthon Phounglamcheik (Luleå University of Technology)*

10:00-10:30 **Experiences from pyrolysis pilot plant in Harads**  
*Niclas Norberg (Harads Arctic Heat)*

#### *Metallurgical research*

10:30-11:00 **Slow pyrolysis of biomass and characterization of bio-based reducing agents**  
*Najibeh Toloue Farrokh (University of Oulu)*

#### *Gas upgrading*

11:00-11:30 **Synthesis gas upgrading: Catalysts and reactions**  
*Henrik Romar (University of Oulu)*

11:30-12:30 Lunch (at own cost)

#### *System analysis and carbon footprint assessment*

12:30-13:00 **Biomass in briquettes and its application**  
*Elsayed Mousa (Swerea Mefos)*

13:00-13:30 **System analysis and footprint study on injecting biomass to BFs**  
*Chuan Wang (Swerea Mefos)*

13:30-14:00 Coffee

#### *Bio4Metals project*

14:00-14:30 **Introduction to research topics in Bio4Metals project**  
*Maria Lundgren (Swerea Mefos)*

#### *Company presentation*

14:30-15:00 **Next step for Future Eco – A demo- and production plant in Harads**  
*Jan-Olov Wikström (Future Eco)*

15:00-15:30 Final words/Wrap-up