

Bio4Energy

Winter Researchers' Meeting 2024

26 November, 9.30-16.00
Scandic, Skellefteå

- 9.30 Fika and mingling**
- 10.00 Opening of the meeting**
- 10.05 Research theme: Systems Analysis and Bioeconomy**
- Introduction about the platform
Robert Lundmark, LTU – Platform leader
- Feedstock Supply Systems Analysis
Dan Bergström, SLU
- Fueling the Future: Bio-Energy in Swedish Industry
Sef Eriksson/Lars Persson/ Mattias Vesterberg, UmU
- Changing forest policy priorities in Sweden and the EU
Charlotta Söderberg, LTU
- Challenges when evaluating innovations with Life Cycle Assessment
Carmen Cristescu, SLU
- 11.30 Lunch**
- 12.45 Innovation in the biorefinery environment**
- BiInnovation
Per Edström & Caroline Stejmar, BiInnovation
Ulrika Rova
- Scale-up journey: from tiny to tons
Payam Ghiaci, RISE Processum
- 14.15 Fika break**
- 14.40 PhD students (and postdocs) in the spotlight**
- Short presentations from Bio4Energy's doctoral students and postdocs
– see detailed program on next page
- Outlook at our courses
- 15.40 Closing remarks and information from the managers**
- 16.00 Meeting ends, time for side-meeting**

PhD & postdoc presentation program

Resource-efficient wood chipping and improved impregnation of wood chips for forest-industrial processes

Claudia Salou-Quineche (Biopolymers and Biochemical Conversion, UmU)

Techno-economic analysis of large-scale biocarbon production

Alyssa Göransson (Systems Analysis and Bioeconomy, LTU)

Carbon Black

Lukas Theodor Weidler (Thermochemical Conversion, LTU)

Enzymatic modification of lignin by oxidoreductases from wood-degrading fungi

Mateo Bello Villarino (Biopolymers and Biochemical Conversion, UmU)

Title TBD

Nicholas Power (Systems Analysis and Bioeconomy, LTU)

Online determination of fossil/biogenic CO₂ emissions from waste incineration using laser spectroscopy

Alexandre Salou (Thermochemical Conversion, UmU)

Title TBD

Oscar Mauricio Gracia Piña (Systems Analysis and Bioeconomy, LTU)

Environmentally friendly hydrophobic zeolite crystals

Mehdi Tarkhani (Catalysis and Separation, LTU)