



NoRest conference COPENHAGEN

25. – 26.
OCTOBER
2016

Nordic Research and Innovation Pathways towards a Circular Bio-economy

Developing a future bio-economy has become a key goal for Nordic policy-makers, across Europe – and around the world. The bio-economy is considered critical for several reasons: the need for sustainability in use of resources, the growing demand for both food and energy, and the need to decouple economic growth from environmental degradation. The conference focus on [cycle-thinking](#) in technology, [foresight exercises](#), and [transitions](#) related to different aspects of the bio-economy and future challenges and possibilities [for both researchers and industry](#).



A combination of keynote presentations held by carefully selected speakers, short lightning talks, and poster presentations from research projects, industry, government and relevant EU or Nordic funded research projects provide an interesting and interactive program.

Conference participants are invited to present their work at poster sessions during the conference; deadline first submission is 3.10.2016 – short poster summary and title, and deadline final version 17.10.2016 (submit to email: eirin.bar@sintef.no)

[Sign up for the conference here](#)

(or by using the following link- <http://cycleweb.no/>)

PLACE: DGI-byen, Copenhagen, Denmark.
TIME: 25. Oct. 10:00 – 26. Oct. 14:30.

The conference is jointly organised by three research projects, funded by the BIONÆR programme subsidiary of The Research Council of Norway.

Featured guest speakers

Lene Lange

Technical University of Denmark, Denmark

Nancy Bocken

TU Delft, The Netherlands/University of Cambridge, UK

Adrian Higson

Bio based Products, NNFC, United Kingdom

Peter De Smedt

Joint Research Centre, European Commission

Kes McCormick

Lund University, Sweden

Geir Oddson

Nordic Council of Ministers

Gudrun Langthaler

Research Council of Norway, Norway

Hilke Bos-Brouwers

Wageningen University, The Netherlands

DAY 1 Tuesday 25. October

- 08.00-10.00 *Registration and coffee*
- 10.00-10.10 Welcome by Marit Aursand
SINTEF Fisheries and aquaculture, Norway
- 10.10-10.45 How to unlock the circular potentials of the Nordic Bio-economy
Lene Lange, DTU Norden-bioeconomy, Denmark
- 10.45-11.00 *Coffee break*

PART 1 CYCLE-thinking technology

- 11.00-11.30 The role of governments in a circular economy, a transition narrative
Peter De Smedt, Joint Research Centre, European Commission
- 11.30-11.45 Increased utilisation of whitefish rest raw materials
Ana Carvajal, SINTEF Fisheries and aquaculture, Norway
- 11.45-12.00 Upcycling food industry co-streams: Feed and fertilizer products
Anne-Kristin Læes, NORSØK, Norway
- 12.00-12.10 *Plenary discussion*
- 12.10-13.00 *Lunch break*

DAY 2 Wednesday 26. October

PART 4 Transition to the bio-economy

- 08.00-09.00 *Coffee*
- 09.00-09.30 Presentation of REFRESH and EU projects
Hilke Bos-Brouwers, Wageningen University, The Netherlands
- 09.30-09.45 Resource distribution in the "smart" bio-economy
May-Britt Ellingsen and Heidi Rapp Nilsen, NORUT, Norway
- 09.45-10.00 Competing visions for the transition to the bio-economy
Antje Klitkou, NIFU, Norway
- 10.00-10.10 *Plenary discussion*
- 10.10-10.30 *Coffee break*
- 10.30-11.00 Bio-refineries in Sweden: Perspectives on the opportunities, challenges and future
Kes McCormick, Lund University, Sweden
- 11.00-11.15 Value chain structures that define advanced bio-refineries in Europe
Jay Gregg, DTU, Denmark
- 11.15-11.30 Agent-based modelling of value chains
Gary Polhill, James Hutton Institute, United Kingdom
- 11.30-11.40 *Plenary discussion*
- 11.40-12.30 *Lunch break*

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of Norway

CYCLE
<http://cyclewelfare.no>

BIO SMART
<http://biosmart.no>

SUSVALUEWASTE
<http://www.susvaluewaste.no>

PART 2 The Future of the Circular Bio-economy

- 13.00-13.30 Enabling bio-economy Innovation through value chain creation - The SuperBIO project
Adrian Higson, Bio based Products, NNFC, United Kingdom
- 13.30-13.45 More food from raw material by use of automation and computer vision technology
Ekrem Misimi, SINTEF Fisheries and aquaculture, Norway
- 13.45-14.00 From waste to plus-products. Why science and research is important for the industry
Heidi Alvestrand, NORTURA, Norway
- 14.00-14.10 *Plenary discussion*
- 14.10-14.30 *Coffee break*
- 14.30-15.00 Sustainable business models and circular economy
Nancy Bocken, TU Delft, The Netherlands/University of Cambridge, UK
- 15.00-15.15 Upcycling food industry co-streams: Food products and ingredients
Kaisu Honkapaa, VTT, Finland
- 15.15-15.25 *Plenary discussion*
- 15.25-16.00 *Coffee break and POSTERWALK*
- 16.00-16.15 The status of circular bio-economy in Scandinavia
Alexandra Maria Almasi, OREEC, Norway
- 16.15-16.30 Future images of the bio-economy: Survey of the Norwegian bio-sectors
Lillian Hansen, Centre for Rural Research, Norway
- 16.30-16.40 *Plenary discussion*
- 16.40-17.00 *Coffee break*

PART 3 Lightning talks and discussion on funding landscape

- 17.00-17.10 Geir Oddson, The Nordic Council of Ministers, Programme coordinator
- 17.10-17.20 Gudrun Langthaler, The Research Council of Norway
- 17.20-17.30 Trond Einar Pedersen, The Research Council of Norway
- 17.30-17.40 Karl Hansen, Head of EU-office at University of Copenhagen
- 17.40-17.50 Karen Munch Mortensen, Danish Green Development and Demonstration Programme (GUDP)
- 17.50-18.00 *Plenary discussion*
- 18.30-19.00 *Welcome drink*
- 19.30 **DINNER PARTY!**

- 12.30-12.45 Understanding transitions in bio-economic value chains – theory and empirical cases
Magnar Forbord, Centre for Rural Research, Norway
- 12.45-13.00 Transition to sustainable urban organic waste management
Markus Bugge, NIFU, Norway
- 13.00-13.15 Contending visions in the transition towards a bio-based economy
Lisa Scordato, NIFU, Norway
- 13.15-13.30 *Plenary discussion*
- 13.30-14.00 *Take home message, conclusions and future work*