



Thursday, November 12th, 2020 –
Biogas as the hub in industrial symbiosis

Session 1 – Opportunities for the pulp and paper industry

- 10:00 **Opening remarks and general information regarding the web conference**
Francesco Ometto, EffiSludge for Life Project Manager, Sweden
Frank Scholwin, Institute for Biogas, Waste Management and Energy, Germany
- 10:15 **Keynote: Opportunities for the pulp and paper industry to recovery energy from residues: industrial symbiosis with biogas as the hub**
Jörgen Ejlertsson, Scandinavian Biogas Fuels, Sweden
- 10:40 **How to reduce carbon emission within industrial wastewater treatment**
Åsa Sivard and Xu-Bin Truong, AFRY, Sweden/Finland
- 11:00 **Panel discussion**
Jörgen Ejlertsson, Åsa Sivard, Xu-Bin Truong and Magnus Johansson (Fiskeby Board)
- 11:45 **Lunch Break**

Session 2 – Wastewater treatment and biogas

- 12:30 **Modelling as a tool on the way to industrial symbiosis and circular economy**
Magnus Arnell, RISE, Sweden
- 12:45 **Cases from the pulp and paper industry**
Brown paper wastewater as a source of biogas – aims, challenges and added value
- *Elmar Fischer, Julius Schulte Trebsen GmbH & Co. KG, Germany*
Biogas production at Rottneros – why and how?
- *Nils Hauri, Rottneros Mill, Sweden*
- 13:10 **Session 2 discussion**
- 13:30 **Coffee Break**

Session 3 – Carbon-saving projects and industrial symbiosis

- 13:45 **Carbon saving potentials from industrial symbiosis implementations**
Mats Eklund, Linköping University, Sweden
- 14:00 **Examples from the industry**
AMB biowaste treatment: current status and new opportunities
- *Juan Carlos Fernandez - Barcelona Metropolitan Area (AMB)*
News from Canada: how to develop the biogas industry in cooperation with the pulp and paper industry
- *Félix Elbert, Bühler Biogas*
- 14:25 **Session 3 discussion**

Wrap up and closing

- 14:50 – 15:00 **Closing remarks**

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