

# Biogas solutions

## OPEN LECTURES WITHIN THE PHD-COURSE

ONLINE

SEPTEMBER – DECEMBER 2021

INTERESTED?

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Most welcome to participate in the open lectures offered within the course *Biogas solutions!* Below you find the prel. program for 2021. You are welcome to participate in all of them or to choose the specific lectures you are interested in. Note! Due to the current situation with the Coronavirus the program below is preliminary and may come to change. For the same reason participation in the open lectures will take place online. Contact Madeleine Larsson (info above) to register.

### INTRODUCTION TO BIOGAS SOLUTIONS – EFFECTS AND IMPLEMENTATIONS

#### 15<sup>th</sup> of September

11:00 - 12:00	<b>Biogas solutions – effects and implementation</b> Mats Eklund, Linköping University
13:30 – 15:00	<b>The Swedish biogas market - public and private actors and their collaboration</b> Thomas Magnusson, Linköping University and Halmstad University
15:00 – 17:00	<b>Biogas solutions – perspectives from the industry</b> Jörgen Ejlertsson, Scandinavian Biogas Fuels Sören Nilsson Påledal, Tekniska verken in Linköping (municipal utility company)

#### 16<sup>th</sup> of September

10:00 - 12:00	<b>Introduction to Multicriteria Analysis – A tool for strategic decision making</b> Jonas Ammenberg, Linköping University
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### PRODUCTION OF BIOGAS AND DIGESTATE – THE ANAEROBIC DIGESTION PROCESS

#### 29<sup>th</sup> of September

13:00 - 15:00	<b>The biogas process - AD basics, process design and current research.</b> Anna Schnürer, Swedish University of Agricultural Sciences and Linköping University
15:00 – 16:00	<b>Production of biogas and digestate – Full-scale processes in different sectors</b> Madeleine Larsson, Linköping University

### PRODUCTION OF BIOGAS AND DIGESTATE – AGRICULTURE, PRODUCTION AND USAGE OF DIGESTATE

#### 12<sup>th</sup> of October

13:00 - 15:00	<b>Production of biogas and digestate – Agriculture, production and usage of digestate</b> Åke Nordberg, Swedish University of Agricultural Sciences Karin Tonderski, Linköping University
15:00 – 16:00	<b>The market for digestate / biofertilizer</b> Thomas Kjellquist, Biototal

## BUSINESS DEVELOPMENT OF BIOGAS SOLUTIONS - THE ROLE OF POLICY, BUSINESS STRUCTURE AND MARKET DEVELOPMENT

**27<sup>th</sup> of October**

13:00 - 14:00	<b>Policy and its role for biogas solutions (Sweden and EU)</b> Marcus Gustafsson, Linköping University
14:00 - 15:00	<b>Biogas solutions and regional development - The role of public actors</b> Stefan Anderberg, Linköping University
15:00 - 16:00	<b>Business development of biogas solutions</b> Jesper Ascanius Kjersgaard Nielsen, Nature Energy

## BIOGAS SOLUTIONS – SYSTEM PERFORMANCE

**17<sup>th</sup> of November**

13:00 - 15:00	<b>Biogas solutions – System performance</b> Roozbeh Feiz, Linköping University Thomas Prade, Swedish University of Agricultural Sciences
15:00 - 16:00	<b>Biogas solutions – System performance in practice and policy</b> TBD

## BIOGAS SOLUTIONS AND ITS ROLE IN SOCIETY

**9<sup>th</sup> of December**

09:00 - 11:00	<b>Biogas solutions and its future role in society – different contexts</b> Maria Malmkvist, The Swedish Gas Association (Energigas Sverige) Magnus Blinge, Scania Caroline Steinwig from the Swedish Waste Management Association (Avfall Sverige) and a representative from the agricultural sector.
11:00 - 12:00	<b>Biogas solutions and its future role in society – how to realise the future? (Panel debate)</b> Maria Malmkvist, The Swedish Gas Association (Energigas Sverige) Magnus Blinge, Scania Caroline Steinwig from the Swedish Waste Management Association (Avfall Sverige) and a representative from the agricultural sector. Moderator: Mats Eklund, Linköping University