

# Biogas solutions PHD COURSE, 6 HP (6FIEI09)

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INTERESTED?

Contact:

Madeleine Larsson

madeleine.larsson@liu.se

013-28 27 19

Biogas solutions can play key roles for sustainability in societies. They help us to manage organic waste, provides us with renewable energy and enables us to close nutrient cycles. Implementation of biogas solutions is complex and involves many different stakeholders and sectors as well as several uses and distribution modes.

This PhD course focuses on Biogas solutions – from process technology to system perspectives and societal effects, involving both researchers, industrial partners and public regional actors. The course mainly focuses on theory, practice and implementation of biogas solutions in a Swedish context, making use of the broad network of researchers and practitioners of the Biogas Research Center.



Researchers from Biogas Research Center on tour in Sweden.

*This transdisciplinary course aims at supporting PhD-candidates that research about systems where a component of anaerobic digestion is involved. The course will provide scientific knowledge about anaerobic digestion processes as well as their systems performance and conditions that need to be in place for their implementation.*

## TOPICS AND ACTIVITIES

- Biogas solutions – societal effects and implementation
- The role of public and private actors, policy and market for biogas solutions
- Production of biogas and digestate – process, concepts and feedstock
- Biogas solutions from a systems perspective
- Biogas solutions and its present and future role in society

These topics will be covered through lectures, critical reviews and discussion of selected literature during seminars and workshops, and a project work where learnings is turned into application.

## TARGET GROUP AND PREREQUISITES

PhD students with an interest in the topic of biogas solutions can join the course – there are no prerequisites other than having started PhD studies and having an interest in the field.

**For more information visit the webpage**

<https://www.iei.liu.se/forskarutbildningskurser/biogaslosningar?l=sv>