

Biogas Syd and the Biogas2020 project

COASTAL Biogas conference
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Part of:



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Biogas Syd

» A regional network for facilitating collaboration, production and use of biogas and biofertilizer.

Participants from public, private and research sector



Main contributors



Participants



Associated participants



Relevant projects - WAB

WAB – Wetland, Algae and Biogas (2010-2012)

Goal: Examine the possibility of producing biogas using macroalgae and beach cast.

Financing: The South Baltic Programme,

Project coordinator: Municipality of Trelleborg (Sweden)

Project partners:

- Linnaeus University
- Karolinska Institute of Technology
- River Basin District Authorities for Southern Sweden
- Skåne Regional Council in Sweden
- Sopot Municipality, Sopot City Council
- Institute of Oceanology PAS Sopot
- Pomeranian Agricultural Education Center
- Pomeranian Center for Environmental Research and Technology
- Community Union Dolina Redy i Chylonk

Relevant project - Biogas2020

Project parts: 35 project partners from Sweden, Norway and Denmark

Financed by EU, INTERREG Öresund-Kattegatt-Skagerrak (ÖKS) and others

Project period: June 2015 – June 2018

Homepage: <https://www.biogas2020.se/>

Main Goal: Contribute to more sustainable biogas production and usage

How to reach the goal – deliverables in the project

- Established networks for collaboration and knowledge exchange and growth for biogas a) across the project-region but also b) more regional among parts within the participating countries
- Plenty of seminars, workshops, conferences and newsletters for various target groups
- Political meetings
- **Establish a Scandinavian biogas platform**



Biogas2020

About the "Scandinavian biogas platform"

Vision: Create a platform for biogas related exchange and collaboration between Nordic countries that goes on even after the project.

Questions like policies, knowledge, communication, ...

Partners signed letters of intent, that defined the goal of the network, possible activities within the network, each partners engagement.

But...



Biogas2020 -work on marine biogas substrate

KTH (Kungliga Tekniska Högskolan) carried out studies

Participating parts: Region Skåne, Region Gotland, Forum Östersjön, Trelleborgs kommun, Gotlands kommun, Solrød kommun, Varberg kommun, Halmstad kommun, Lister Nyskaping, Seaweed Energy Solutions, SINTEF (Trondheim), SeaweedProduction

How: Literature research & interviews with municipalities, companies & academics

Results:

- Several municipalities in Sweden & Denmark pick up macroalgae from the beach and coastline
- **Obstacles for using as biogas substrate**
 - low energy-density and low volume
 - High levels of salt, sulphur, heavy metals make it a difficult substrate to digest
 - Locally high levels of cadmium makes it unsuitable for biofertilizer



Biogas2020 -work on marine biogas substrate

Results from Biogas2020 work on marine substrate...

Obstacles need to be further investigated – practical solutions are needed

Need for more research and development work on the whole value chain of marine substrate – biogas and biofertilizers can be elements but even other, more valuable products



Relevant projects – Greater Bio



Greater BIO

Project period 2020-2022, [read more](#)

- » Danish-Swedish collaboration, INTERREG ÖKS, project owner is GATE 21
- » A project on increasing the collection and optimization of biomass
- » Case 2 on seaweed aims at
 - » identify good collection methods & clarify rules and regulations for collection,
 - » carry out environmental analyzes and economic analyzes to be able to compare the efficiency in different uses for cadmium-containing seaweed and
 - » develop a concept or business model for how a municipality can attract companies to receive and use the seaweed.

