for anaerobic digestion. The seaweed will be used as a co-substrate cast seaweed to counteract eutrophication. nutrients from the Baltic Sea by collecting The project focuses on the removal of

closing the nutrient (N & P) cycles. synthetic fertilisers and hence, contributes to Furthermore, the digestate can replace

electricity, heat and bio-fuel production.

The produced biogas can be utilised for

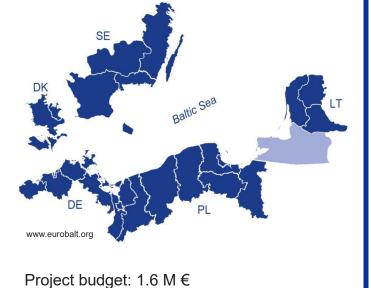




The challenge

www.coastal-biogas.eu

Duration: 01.07.2018 - 30.06.2021



JAT2A(ZADO











and nuTrient removAL

Cluster On Anaerobic digestion, environmental Services



Project coordinator



Partner



































European Regional





Development Fund

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to a sustainable bio-based society.

major environmental problems in the

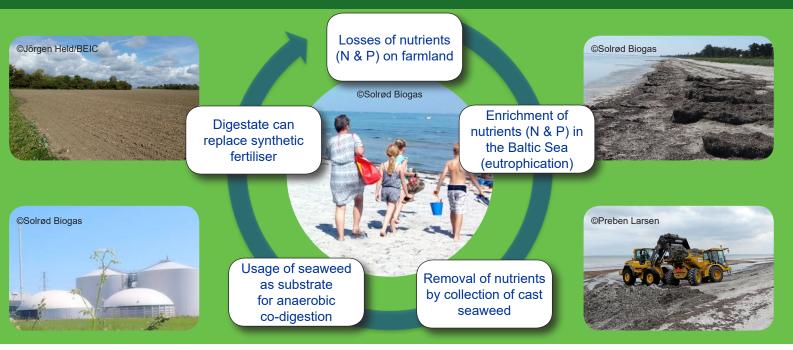
social consequences and is one of the

Eutrophication has both ecological and

need for a transition from a fossil based Baltic Sea. At the same time there is a



Cast seaweed - nuisance or resource?





The main objective of the COASTAL Biogas project is to provide solutions based on anaerobic digestion of cast seaweed to coastal regions to tackle eutrophication, contribute to the transition to a circular bio-economy and improve prosperity.

Project outputs

Cross border technology guidance and transfer in seaweed co-digestion will be supported.

A decision support tool and training kit for biogas plant operators, municipalities, local authorities as well as cleaning companies, farmers, waste management companies, etc. will be developed.

The process of anaerobic digestion of seaweed and digestate utilisation in the South Baltic area will be improved.

Eutrophication in the Baltic Sea

Eutrophication is caused by excessive nutrient input to the marine environment and is one of the major threats to biodiversity in the Baltic Sea. The surplus of nutrients (N & P) leads to increased algae blooming and a lack of oxygen in the water. One origin of nutrients can be leaching of nutrients into the groundwater or surface runoff caused by disproportionate use of fertilisers on farmland.

Anaerobic digestion

Anaerobic digestion is a collection of microbial processes by which biodegradable materials (e.g. animal waste, whole crop silage, sewage or food leftovers) are broken down in the absence of oxygen. It can be used to manage waste and to produce energy (electricity, heat), bio-fuels as well as bio-fertilisers.