DEPARTMENT OF ENVIRONMENTAL SCIENCE – EXTERNAL SEMINAR

Future Potentials for Collaboration regarding GHG Inventories for Danish municipalities

Date: 4 September 2020, 10:00 – 11:00

Venue: ZOOM Lecture

Speaker: Anne-Mette S. Langvad,

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Abstract: PlanEnergi and AU dept. of Agroecology has developed a GHG inventory for Danish Municipalities according to IPCC and Denmark' National GHG Inventory standards. Based on this tool, by October 2020, 22 Jutland municipalities can document their direct, production-based emissions and sinks as well as purchased electricity and heat. However, disaggregation to the municipal level has revealed potential for improving data and calculations according to municipal/regional needs. The presentation will address some of these potentials with respect to agriculture, land use and land use change. Besides detailed documentation of direct emissions, there is a strong demand for methods to include emissions embodied in trade. Methods need to be internationally accepted and able to reveal the effect of local measures taken to reduce emissions from both production and consumption. Results need to be easily communicable to politicians and stakeholders alike.

Finally, more municipalities see great economic potential in regenerative production methods and industrial symbiosis. Might it be possible to modularize the municipal GHG inventory to fit different industrial symbiosis calculations like decentralized PtX facilities or biorefineries centered around a biogas production plant.

Background: M sc. Sociology (AAU); Ind. PhD Fellow, SEGES; Executive Consultant/team leader, Dept. of Renewable Energy and Circular (bio)economy, Central Denmark Region; Project manager, PlanEnergi

Host: Marianne Thomsen, ENVS SGA Resource flows in a circular economy

External Guests interested in attending the presentation should e-mail Marianne (mth@envs.au.dk) for a link to Zoom.