



GLOBAL
RESEARCH
ALLIANCE

ON AGRICULTURAL GREENHOUSE GASES

Country report : NORWAY

by IRG representative Daniel Rasse

Presentation to IRG Annual Meeting
Cali, 5 February 2019

Specific contributions to IRG : NORWAY

Here, list any contribution of your country to IRG (and other groups if related to IRG activities):

Soil Carbon Network (Daniel Rasse, Teresa Gomez de la Barcena) – Proposal to organise a workshop in Norway (2018 or 2019). Postponed for now because of the high number of international workshops on soil carbon.

Organizing of dedicated sessions at the annual EGU meetings in 2018 and 2019 on Peatland Management and GHG Emission (Hanna Silvennoinen).

(Ruminant group has a new contact person: Vibeke Lind)

Projects, initiatives and contributions to IRG's topics : NORWAY

Contribution to initiatives, research program, partnership

FAO LEAP TAP SOIL: Contribution to report: *FAO. 2019. Measuring and modelling soil carbon stocks and stock changes in livestock production systems – Guidelines for assessment. Version 1. Rome. 152 pp. (NIBIO and NMBU)*

EJP Soil (European Join Programme on Soil). NIBIO project manager for Norway: participation to 6 WPs to the submitted project

Networks: **JPI TAP SOIL**

Improving IPCC reporting (work : commissioned by the Directorate for Environment):

- Report on improving N₂O reporting for Norway (NIBIO / NMBU)
- Development of a Tier 3 reporting for C stocks in agricultural soils.

Projects, initiatives and contributions to IRG's topics : NORWAY

Projects (selected):

FACCE ERA-GAS projects: 1)MAGGE-pH (NMBU); 2) Residue Gas (NMBU; 3) PEATWISE (NIBIO)

PEATINVERT (N₂O and CH₄ fluxes in inverted and tile-drained peat)

Klimasmart landbruk will provide a **tool for farm and product level GHG assessment/ inventory**. The tool is based on the whole farm model HolosNor.

Biochar-fertilizer solutions for soil carbon storage and food production benefits (CARBO-FERTIL, 2018-2021, www.nibio.no/carbo-fertil)

Climate Smart Use of Norwegian Organic Soils (MYR; 2018-2021; RCN), :

Reduced GHG emissions and improved agronomy with biochar in composting process. (KarbonVekst 2018-2019).

Projects, initiatives and contributions to IRG's topics : NORWAY

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And contributions to NDCs if relevant:

Report 2018 (NIBIO) for agricultural negotiations between Farmer Unions and the Agricultural Ministry: *Reducing GHG emission in Norwegian agriculture: possibilities for mitigation measures.* NIBIO Report, Vol 4, Nr 149 2018

Report 2019 (NIBIO, NMBU, INN) on *Possibilities and Challenges for increasing soil carbon sequestration in Norwegian agricultural soils.* (commission by the Directorate for Agriculture and Food, in progress)

Participation to the Technical Group for Estimating Mitigation Options in Agriculture (Report in 2019).

Presentations to Parliamentary Groups in 2018 and 2019 on the potential of biochar as a soil carbon sequestration method in Norway



Utslippsreduksjoner i norsk jordbruk
Kunnskapsstatus og tiltaksmuligheter

NIBIO RAPPORT | VOL 4 | NR 149 | 2018



Arne Berdalen, Synneve Rivedal, Anders Aune, Adam O' Toole, Finn Walland, Hanna Silvermoinen, Ievina Sturits, Fredrik Bævre, Daniel Rasse, Ivar Pettersen, Lillian Øygarden.
Divisjon for miljø og naturressurser/landressurser og areallbruk. Divisjon for matproduksjon og samfunn/for og helse. Divisjon for kart og statistikk/landbruksøkonomisk analyse.

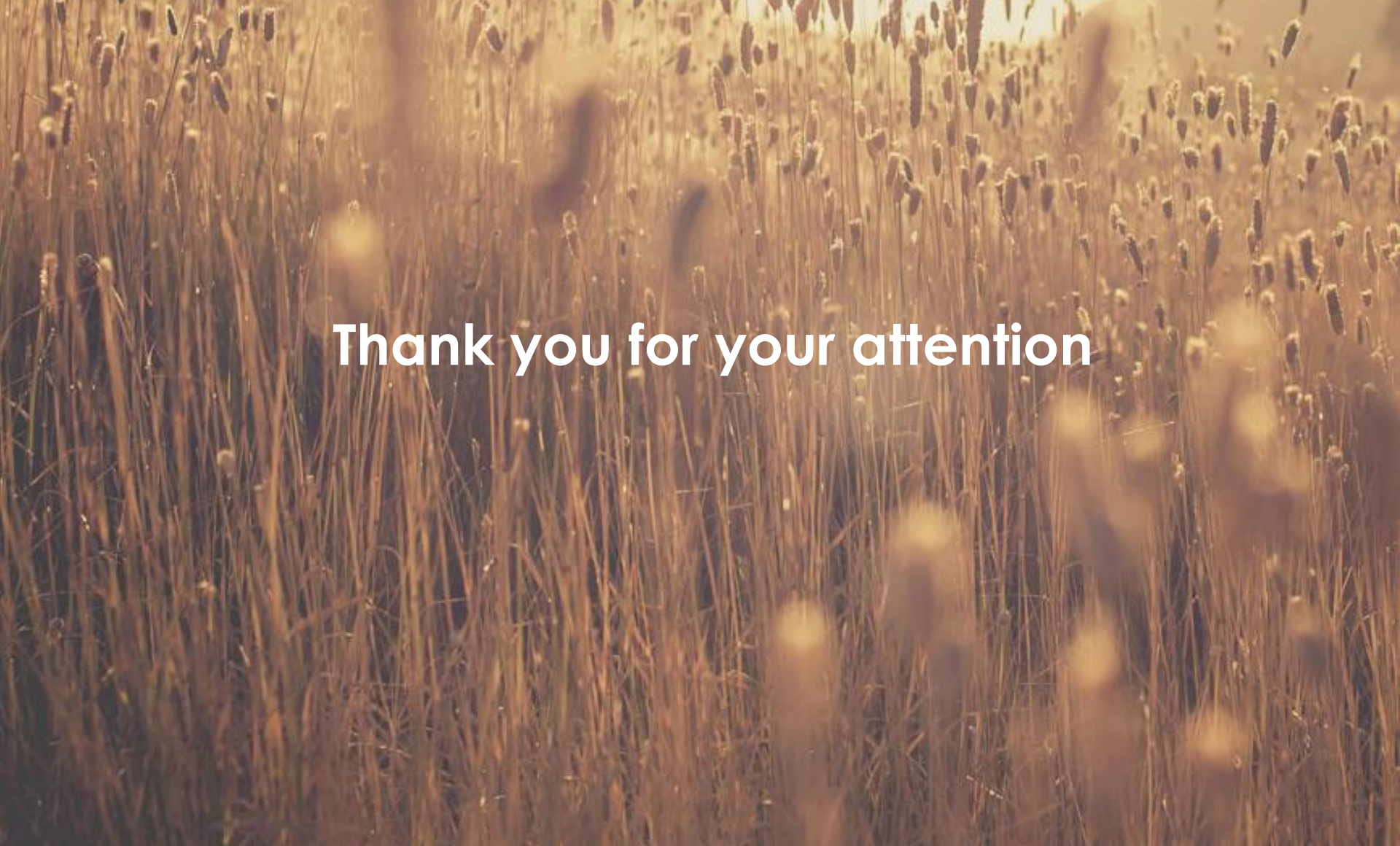
Opportunities, future actions and funding : NORWAY

Here, list the opportunities and future actions already identified for your country (soil carbon sequestration, GHG inventories, ...) at different scale (field, farm, region, national, international ...)

NIBIO through its Climate Mitigation Forum is working on an inventory of all soil carbon databases available in Norway. Recommendation for use, resampling of research fields and new monitoring programme. (linked to development of Tier3 soil C),

Here, list the possible funding from your country for projects or initiatives in this field

- Multiple calls of the Research Council of Norway (RCN), notably BIONÆR (bioindustries) and KLIMAFORSK (climate and climate mitigation).
- EJP Soil participation with external calls through BIONÆR.
- JPI FACCE – ERA GAS - .
- EU calls



Thank you for your attention