

The logo for the Global Research Alliance is positioned in the upper right corner. It features a stylized globe composed of a grid of blue circles of varying shades, creating a textured, spherical effect. The text 'GLOBAL RESEARCH ALLIANCE' is written in a clean, white, sans-serif font, stacked in three lines: 'GLOBAL', 'RESEARCH', and 'ALLIANCE'.

GLOBAL
RESEARCH
ALLIANCE

ON AGRICULTURAL GREENHOUSE GASES

CROPLANDS RESEARCH GROUP: Germany Country Update

The bottom half of the slide features a photograph of a vast field of golden wheat. The stalks are tall and densely packed, with their heads of grain clearly visible. The lighting is warm, suggesting a late afternoon or early morning setting, which gives the scene a soft, golden glow. The field extends to the horizon, creating a sense of depth and scale.

CRG representative: Heinz Flessa
Thünen Institute of Climate Smart Agriculture

Activities/Accomplishment since last meeting

- **International conference on soil organic matter** (29/30 May 2018)



- Contributions from 13 countries
- Partnership with the 4per1000 Initiative
- Potentials and limitations of organic matter sequestration in agricultural soils were discussed

Activities/Accomplishment since last meeting

- Germany will complete its first national inventory on agricultural soils in 2018 (grid of 8 × 8 km)

topsoil (0-30 cm)



subsoils (30-70 cm)



C_{org} stocks
(t ha⁻¹)

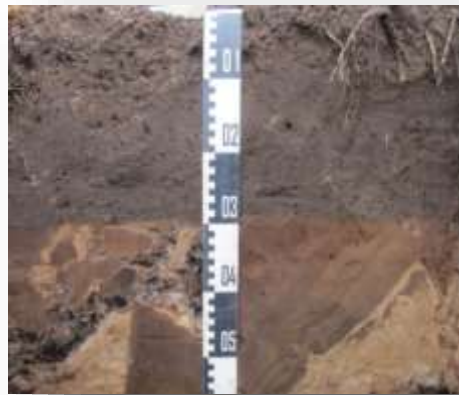
- < 30 t/ha
- 30-60 t/ha
- 60-90 t/ha
- 90-150 t/ha
- > 150 t/ha

Activities/Accomplishment since last meeting

- **German Research Programm:** Mitigation of GHG emissions from agriculture and adaptation to climate change (BMEL)



call on cropland



call on soils



call on livestock

- 33 joint projects are founded, start in August 2018 for 3 yrs
- Total funding (EUR): 36 million (BMEL) + 5 million (companies)
- Cropland: N efficiency, new diseases and pests
- Soils: soil organic matter, remote sensing, NO₂ and NH₃ reduction
- Livestock: feeding strategies, slurry management, new pathogens

Opportunities and plans

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8th GRA Council Meeting
10-11 September 2018
Berlin, Germany

Japan handing over
to Germany



International Conference
on Agricultural GHG Emissions
and Food Security –
Connecting research to policy
and practice

10. – 13. September 2018
Berlin, Germany
Mercure Hotel MOA