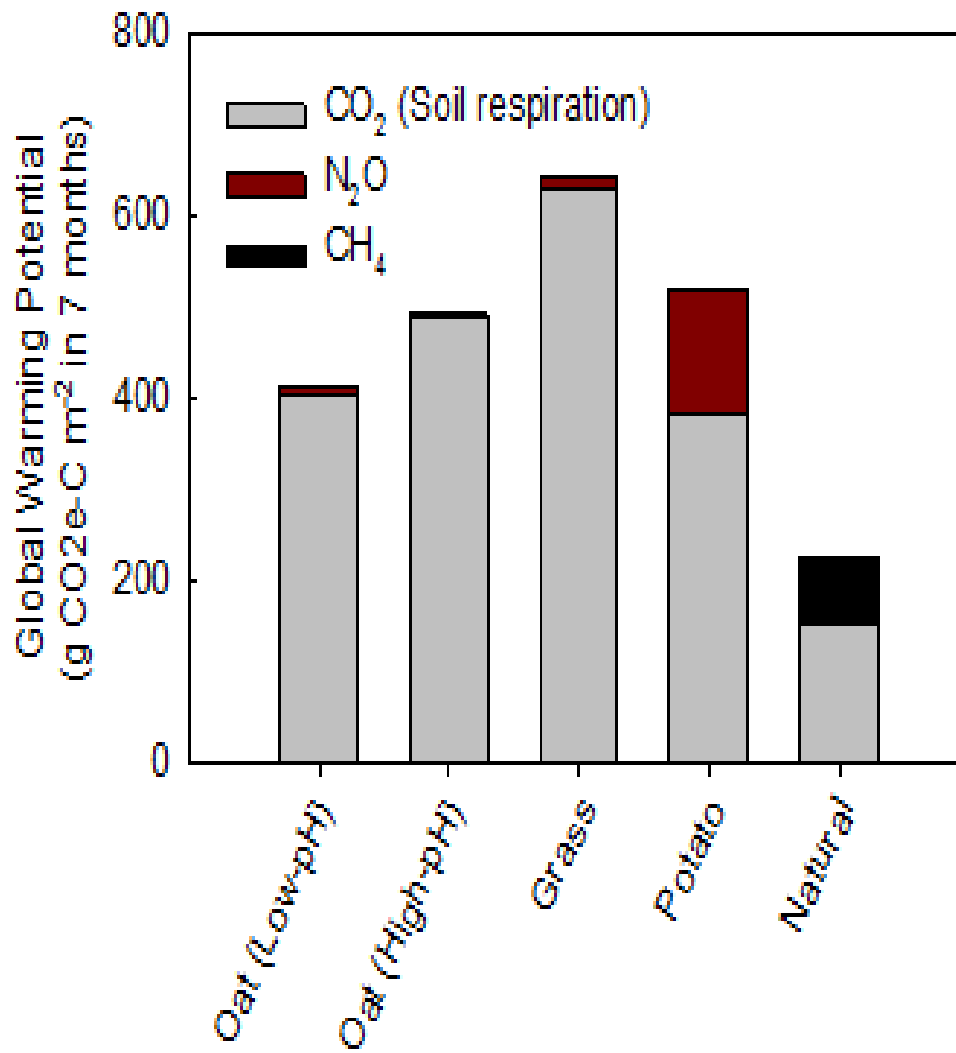


GHG EMISSIONS FROM PEATLANDS

- Strategies for mitigating GHG emissions from peatlands
- (Aarhus University coord.)





Preliminary data from Elsgaard et al.

WINTER COVER CROPS AND N₂O

-Effect of winter cover crops on N₂O during winter and spring
and N availability

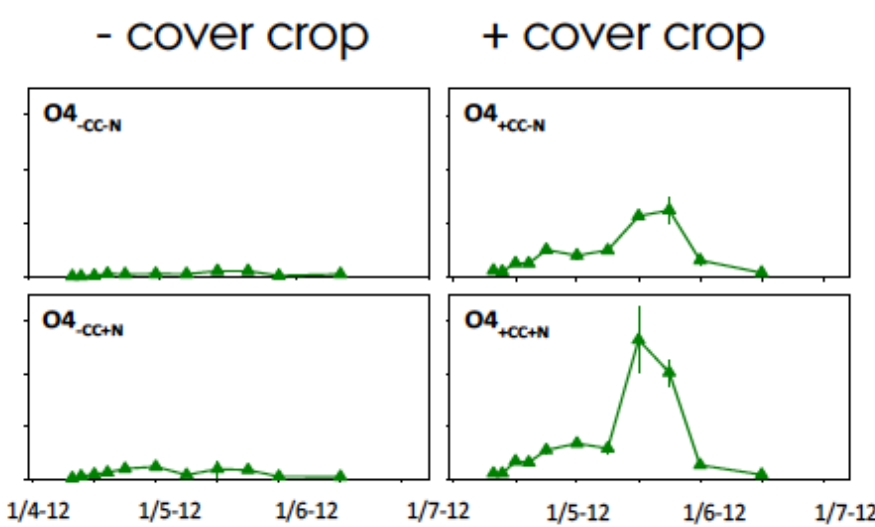
-N₂O emissions during freeze-thaw events as influenced by
tillage

(Aarhus University coord.)



COVER CROP/MANURE EFFECTS ON N₂O EMISSIONS

- Sandy loam
- Wet temperate climate
- Spring barley
- Monitoring 2011, 2012
- Denitrifying genes
(nirK, nirS, nosZ)



2012

- pig slurry

+ pig slurry

Degradable C (oxygen depletion) an important driver for N₂O in sandy soils

Results from Petersen et al.

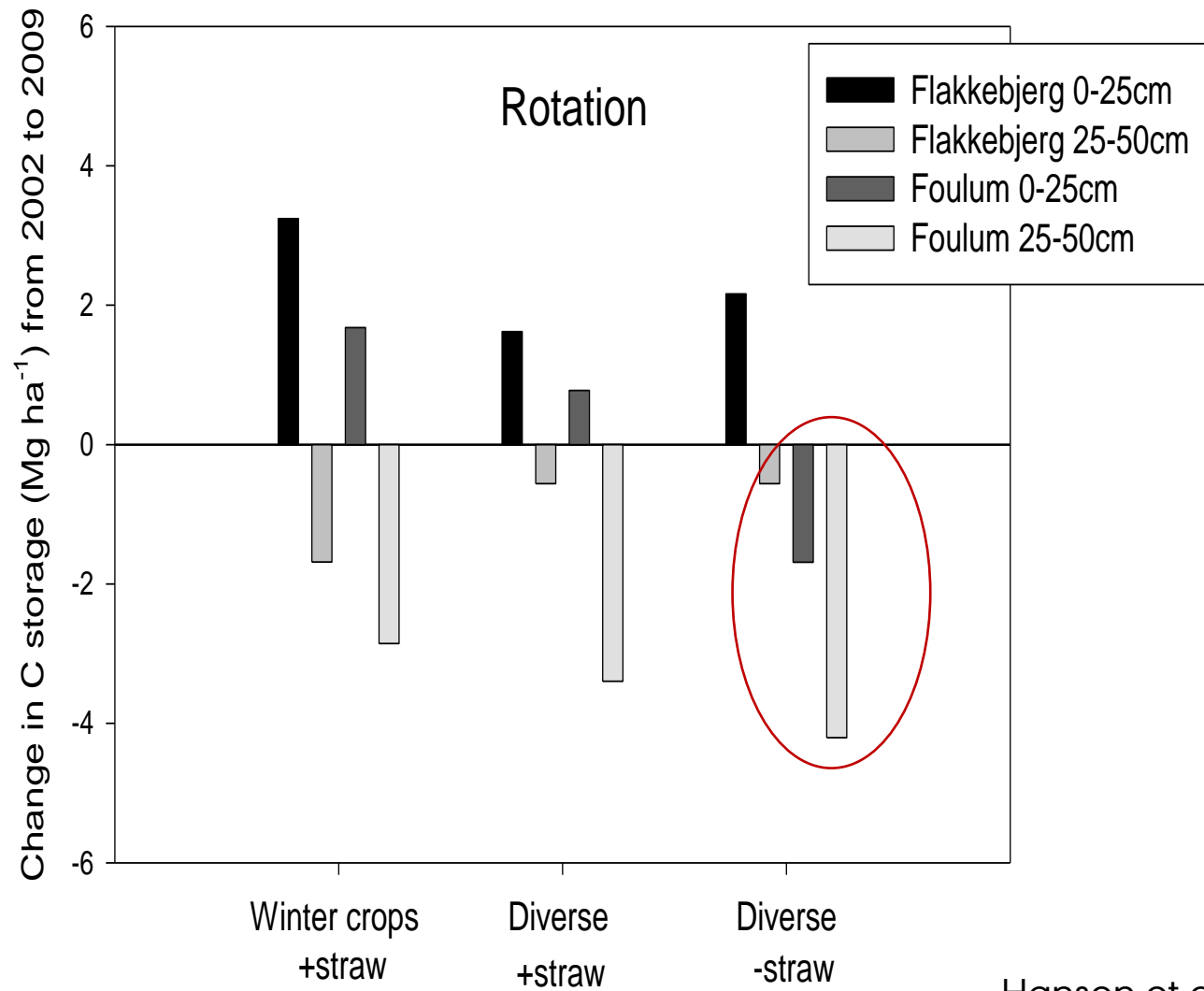
ROTATION, TILLAGE AND RESIDUE EFFECTS ON C STORAGE

-Effect of monoculture winter cereal vs. diverse rotations including cover crops on C storage. Effect of tillage and residue management on C storage

(Aarhus University coord.)

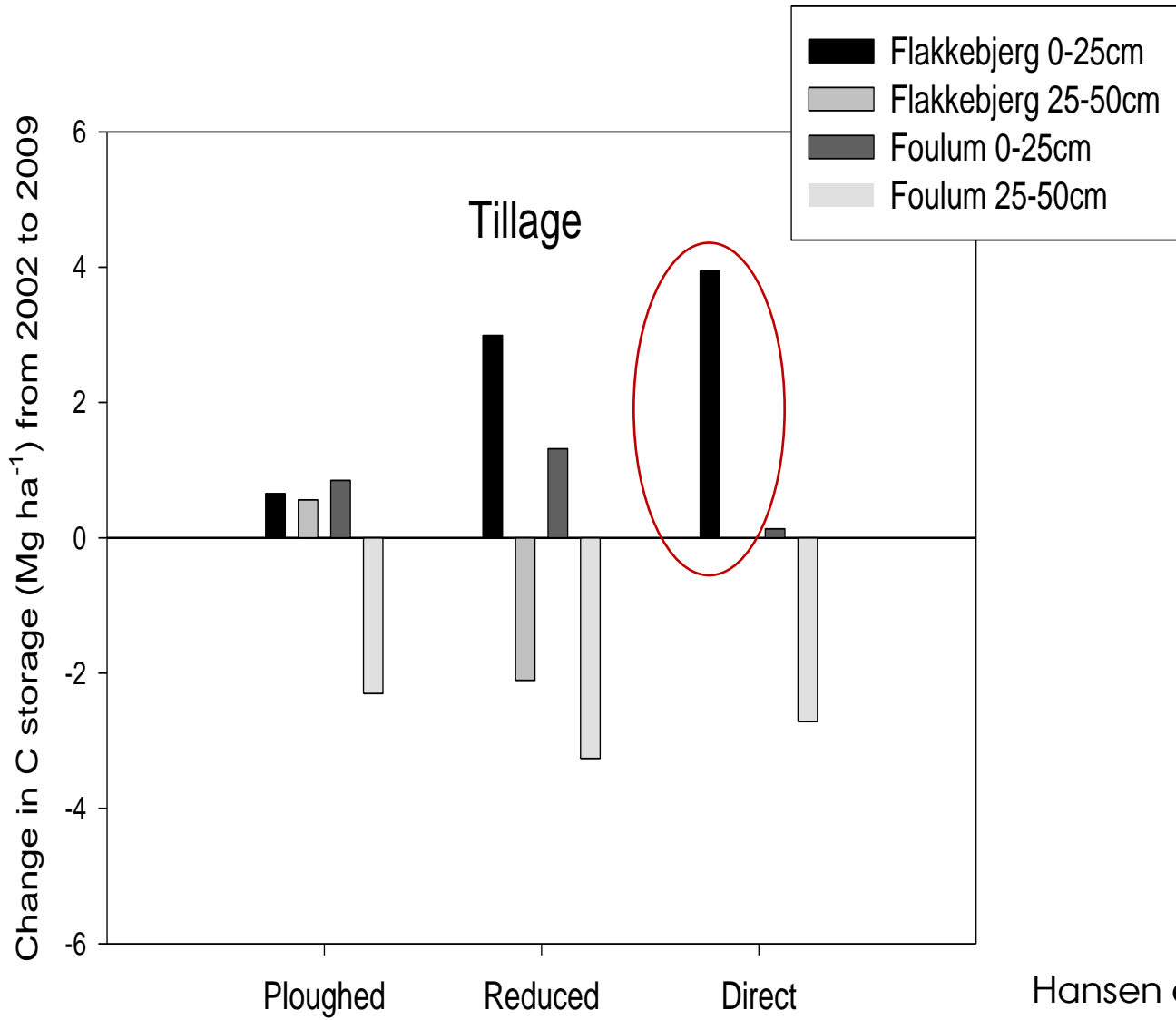


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Hansen et al. 2015

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Hansen et al. 2015