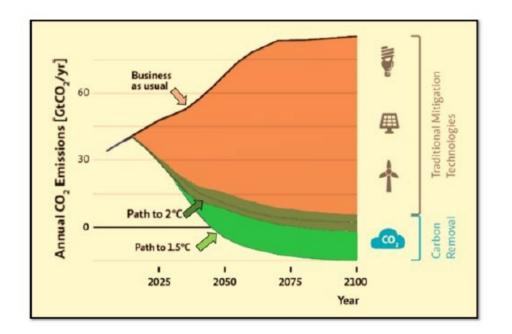
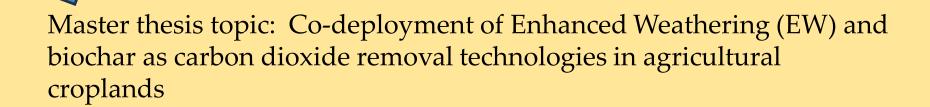
Problem

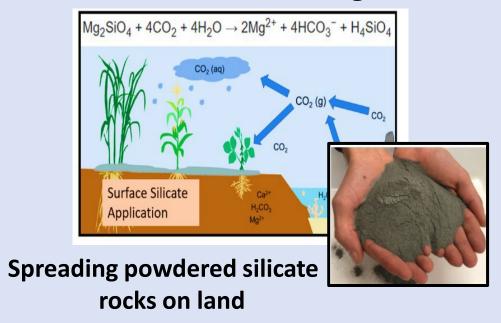
- global warming < 2°C
- 2 things will be needed:
 - 1) Reduce our emissions
 - 2) Remove CO2 from the atmosphere





Carbon dioxide removal?

Enhanced weathering



Biochar

Thermochemical conversion of biomass under anoxic conditions → highly stable carbon rich structure → no decomposition to CO2



+ Potential co-benefits in agriculture

? #CO2 uptake/hectare

Thesis topic

 Mesocosm experiment combining natural and waste silicates (steel slag) with biochar

- Agricultural setting
- Field and lab work
- Location: ILVO, Merelbeke (near Ghent)



- 1) Quantify carbon dioxide removal potential of EW, biochar and their co-deployment
- 2) Study potential interactions between EW and biochar

Last but not least:

- *Unique chance to contribute to delivering urgently needed data for carbon dioxide removal (ipcc) ©
- *Applicability in agriculture ©
- *Fun research group ©





Interested/questions?

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