

## DRAINED PEAT SOILS, EMISSION FACTORS FOR MITIGATION AND POLICY 2016-2018

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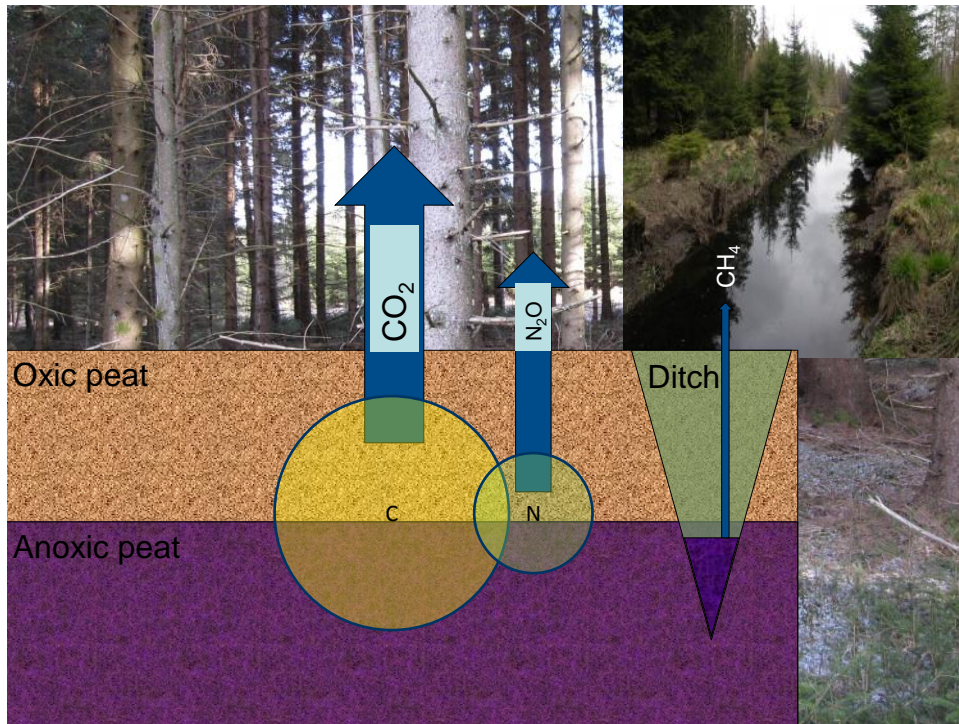
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*The Swedish Research Council for Environment,  
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Biodiversity and Ecosystem  
services in a Changing Climate



## Four scenarios modelled by Coup

aim; to assess emissions and economy

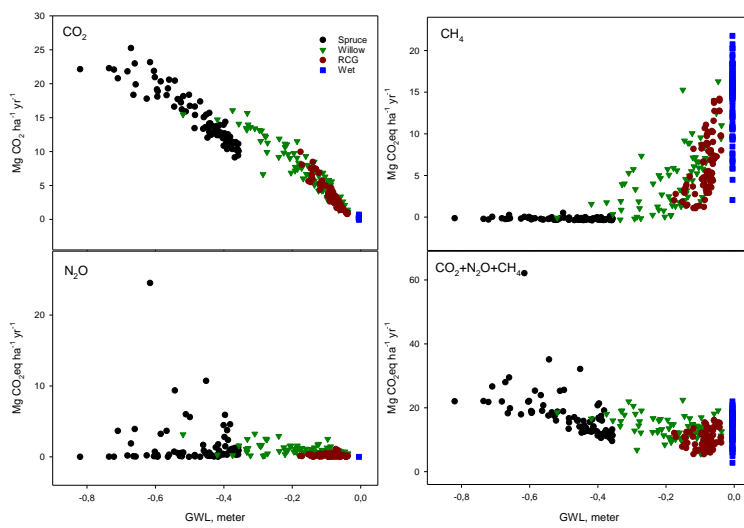
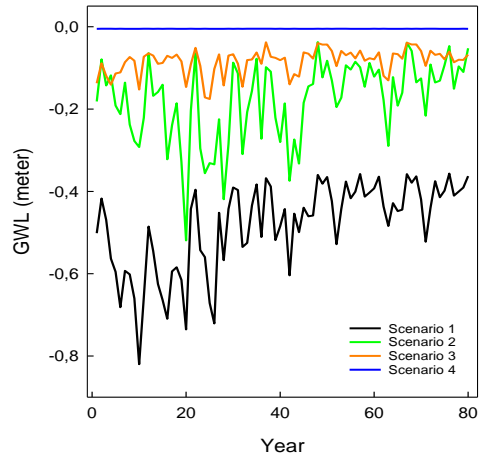
•80 year rotation

1. Spruce, GWL ~40 cm depth (business as usual scenario),
2. Salix, GWL ~20 cm depth,
3. Reed Canary Grass, GWL ~10 cm depth,
4. Rewetting, GWL in the soil surface (~0 cm)

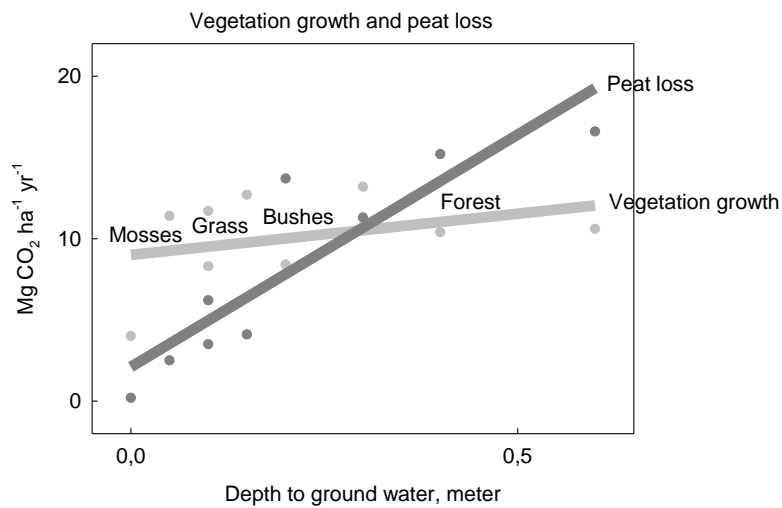
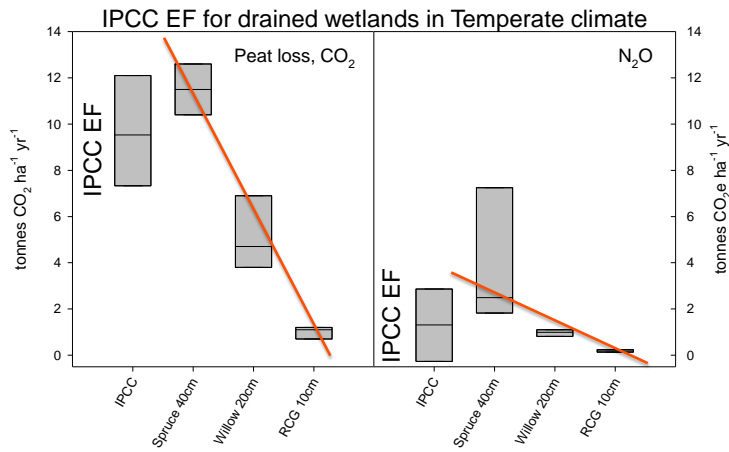


Land use of drained peatlands; greenhouse gas fluxes, bioenergy production and economics

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## Emission factors, IPCC default and estimated in this project



Scenario	1	2	3	4
Vegetation	Norway spruce	Willow	Reed canary grass	Wetland vegetation
	Benefits			
Products sold minus management cost	1210	1680	1990	0
Net CO <sub>2</sub> storage in biomass and litter	1610	760	200	1030
Biodiversity	0	0	0	1540
	Costs			
Humus/Peat CO <sub>2</sub>	-2400	-1000	-330	140
N <sub>2</sub> O flux	-490	-180	-40	0
CH <sub>4</sub> flux	30	-650	-860	-2100
Cost of ditch management/ restoration	-10	-10	-10	-400
	Net Annuity Value, SEK ha <sup>-1</sup> yr <sup>-1</sup>			
Price 175.2 SEK Mg <sup>-1</sup> CO <sub>2</sub> eq	-50	600	950	210
Price 0 SEK Mg <sup>-1</sup> CO <sub>2</sub> eq	1200	1670	1980	1140
Price 735 SEK Mg <sup>-1</sup> CO <sub>2</sub> eq	-4040	-2820	-2340	-2760

else... x 5 Rätt rensnings ger rask tillv... x +

heter/ratt-rensnings-ger-rask-tillvaxt

HEM / NYHETSARKIV / RÄTT RENSNING GER RASK TILLVÄXT

## Rätt rensnings ger rask tillväxt

Kategorier Dikesrensning Skogforsk




Foto: Björn Svensson, SKOGEN-bild.

11 Like 0 Tweeta G+1

Dikesrensning kan få fart på trädens tillväxt. Bäst effekt fås i ungskog. Det visar en sammanställning gjord av Skogforsk tillsammans med finska forskningsinstitutet Luke.

Dikesrensning bör prioriteras i samband med slutavverkning eller i ung gallringskog.

Annons


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**TILL PLATSANNONSERNA**



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