

Fjordbundens betydning for omsætningen af næringsstoffer



Aftensejlad på Limfjorden 16.08.05 www.lemvig.com/luffotos.htm

Henrik Fossing
Aarhus Universitet
Institut for Bioscience

Fjordbundens betydning for omsætningen af næringsstoffer



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SVOVLBRINTE
Omsætning
Aarhus Universitet
Institut for FOSFOR science
KVÆLSTOF
JERN

Fjordbundens betydning for omsætningen af næringsstoffer



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Fjordbundens betydning for omsætningen af næringsstoffer



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Fjorden

Hvor kommer næringsstofferne fra?

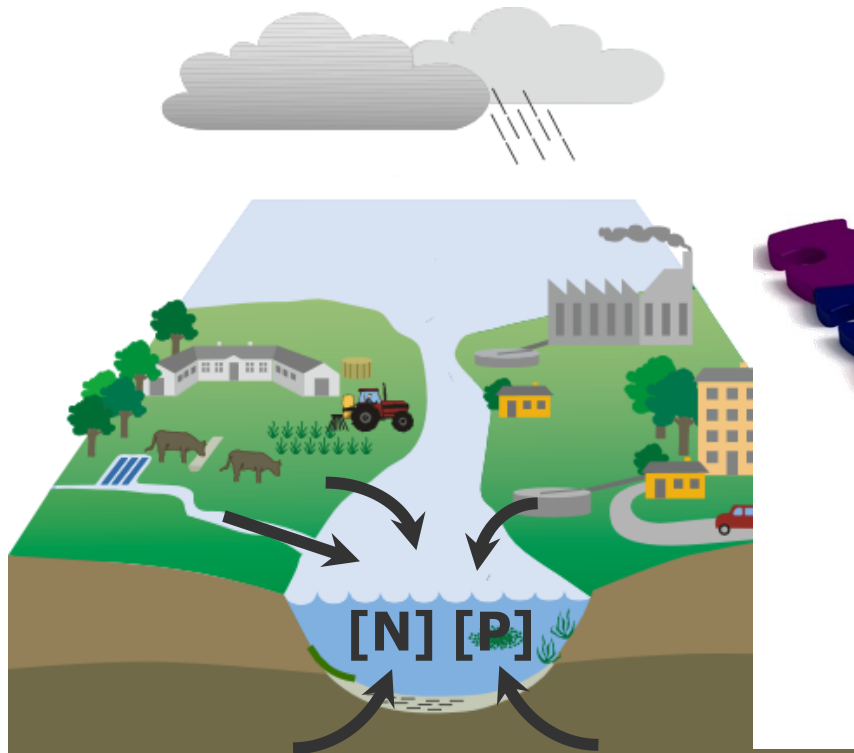


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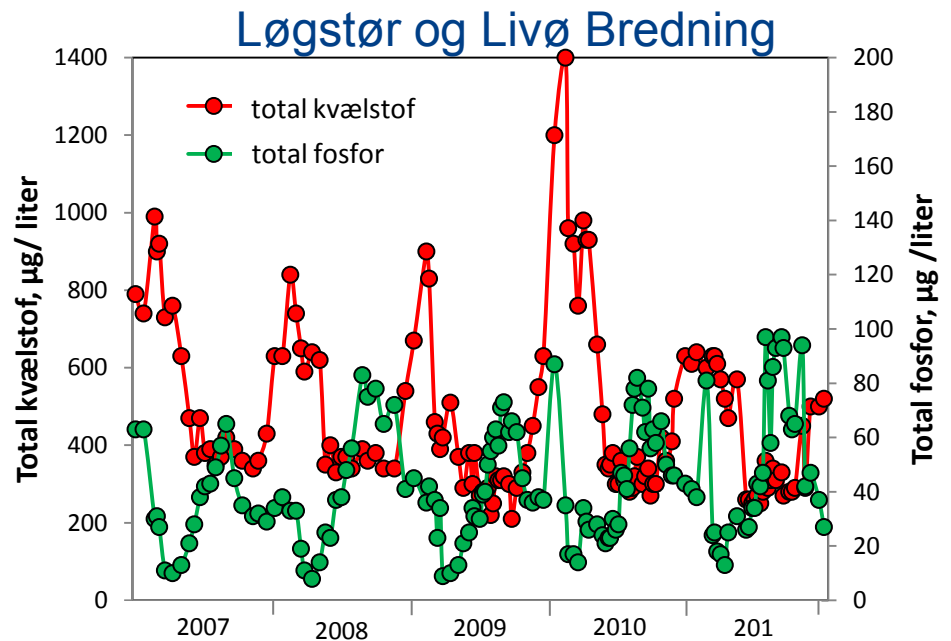
Fjorden

Hvor kommer næringsstofferne fra?



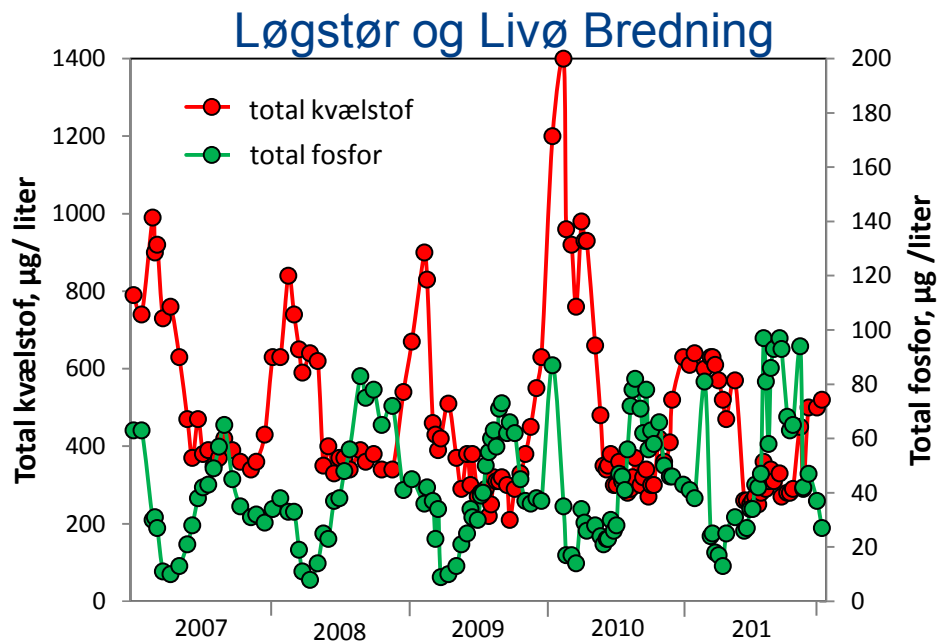
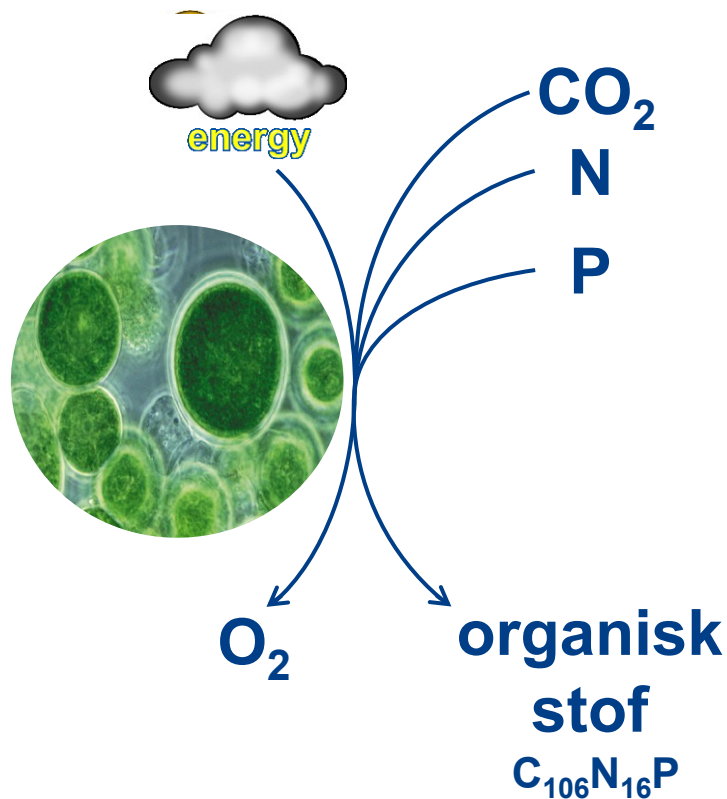
Fjorden

Hvor kommer næringsstofferne fra?



Fotosyntese

organisk stof opbygning

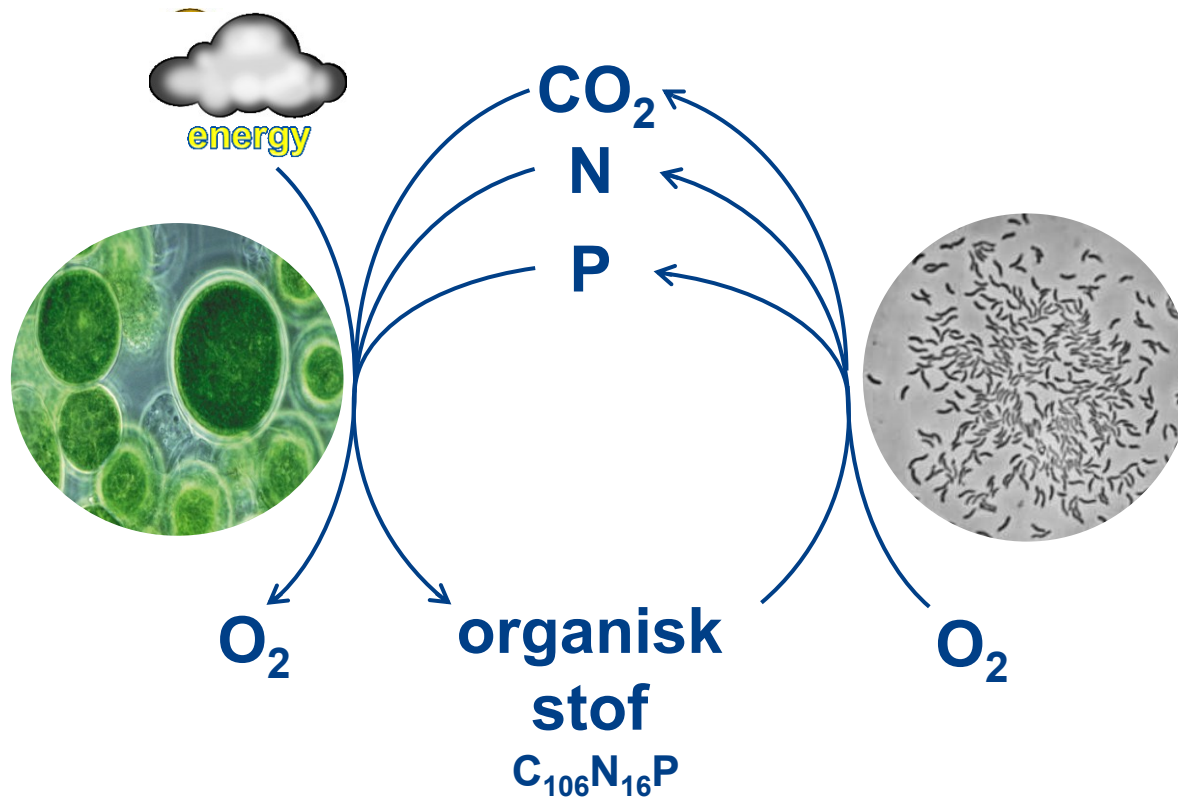


Fotosyntese

organisk stof opbygning

Mineralisering

organisk stof nedbrydning

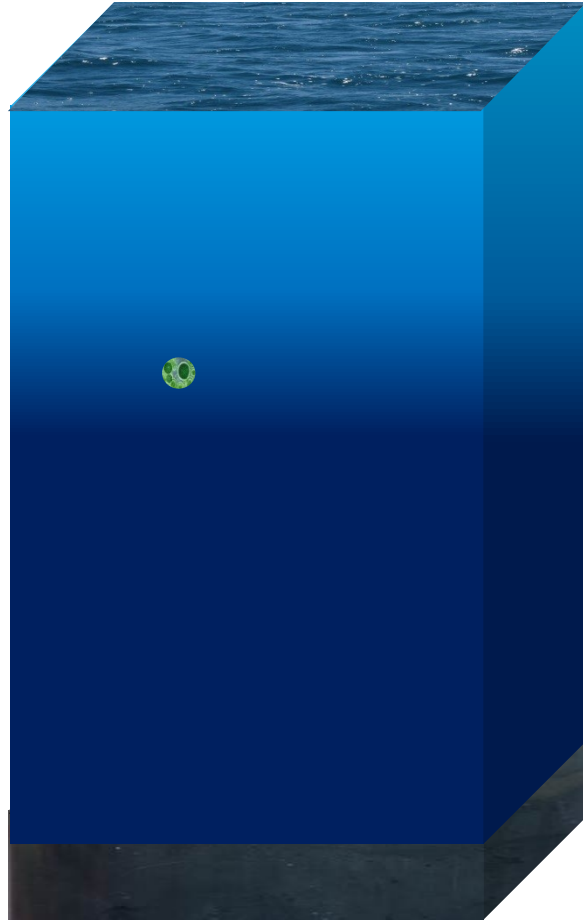


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by Mark Parisi

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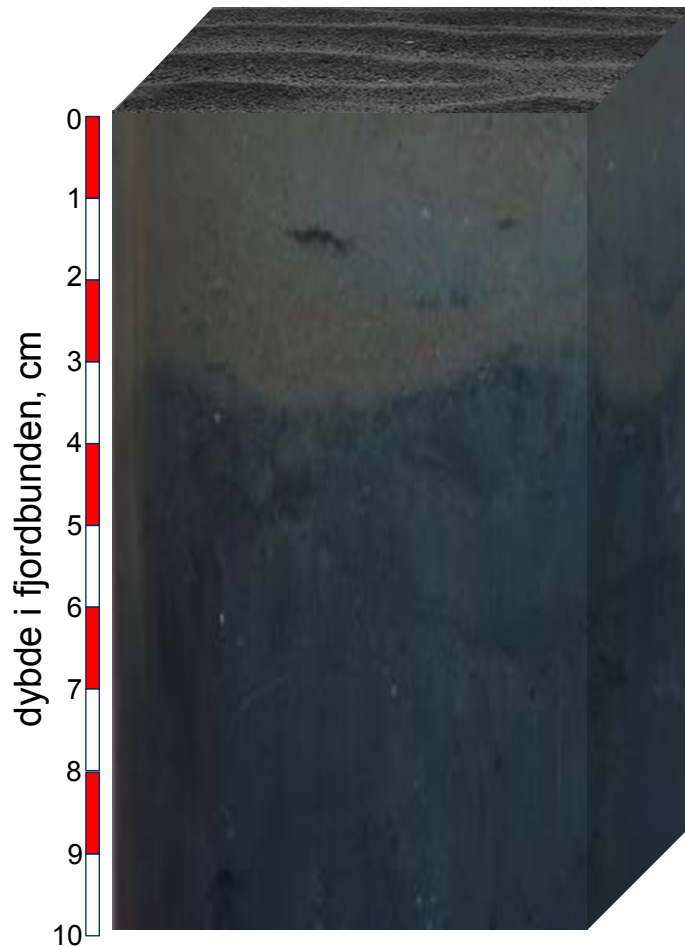






Næringsstofomsætning

Temadag "Stenrev i Limfjorden" torsdag d. 28. februar 2013

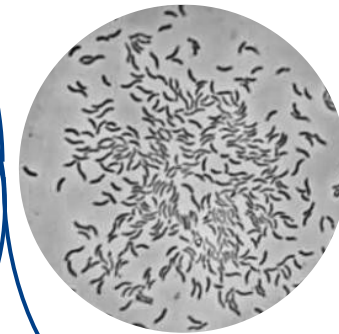


Mineralisering

CO_2 ← organisk stof nedbrydning

N

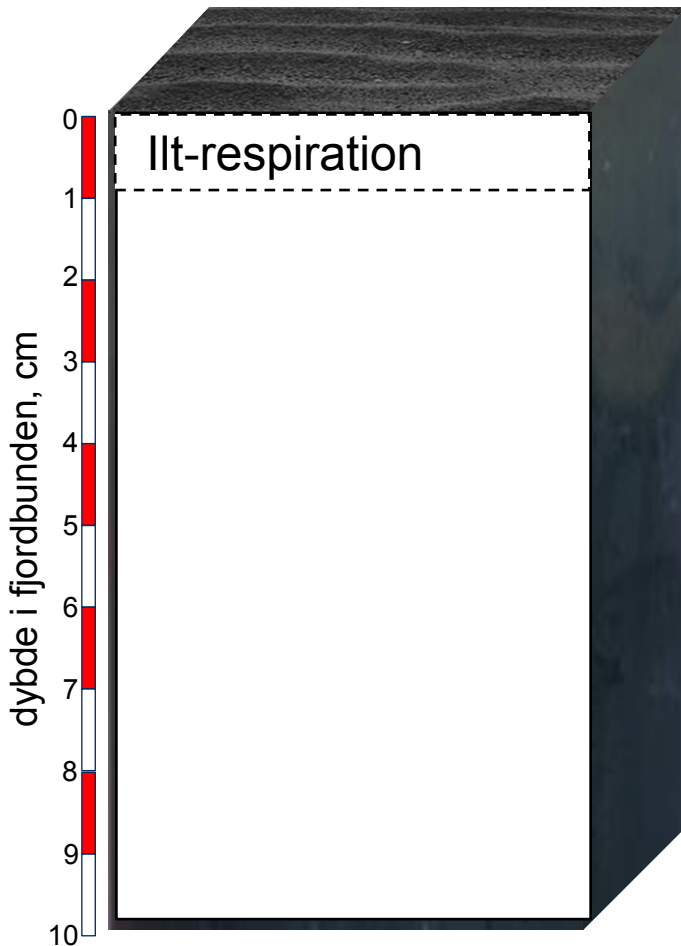
P



organisk
stof

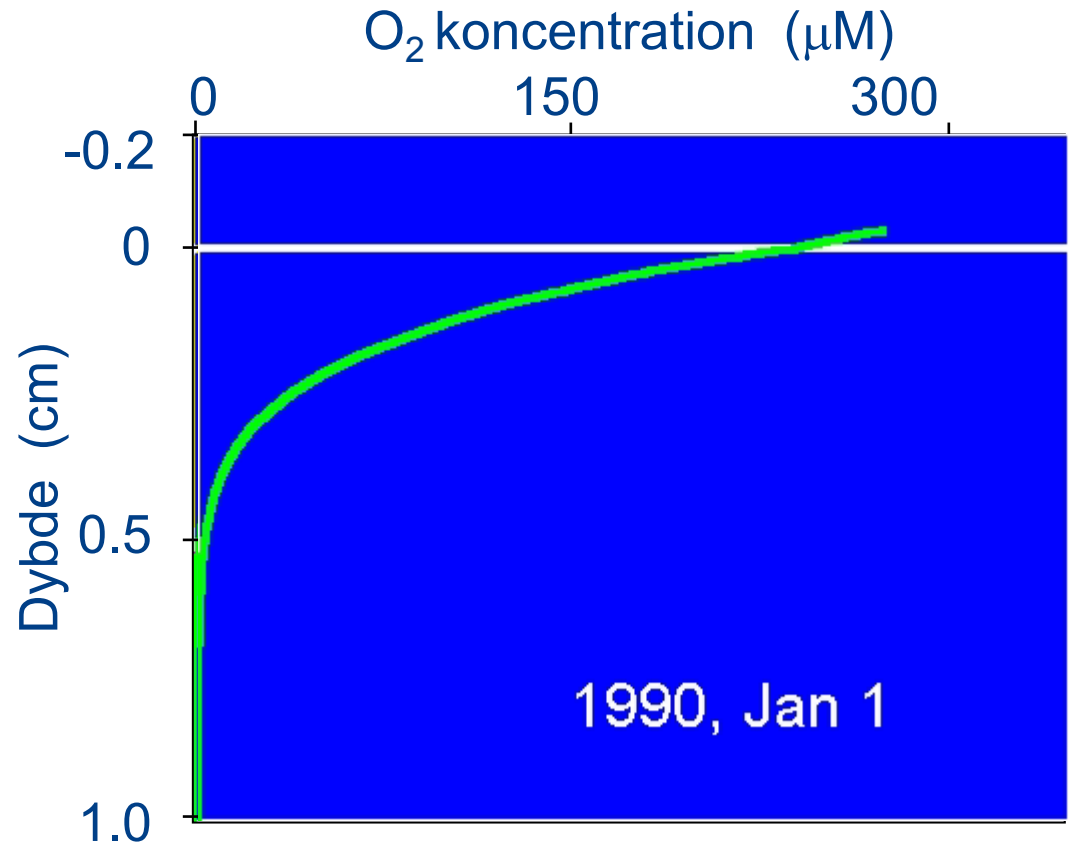
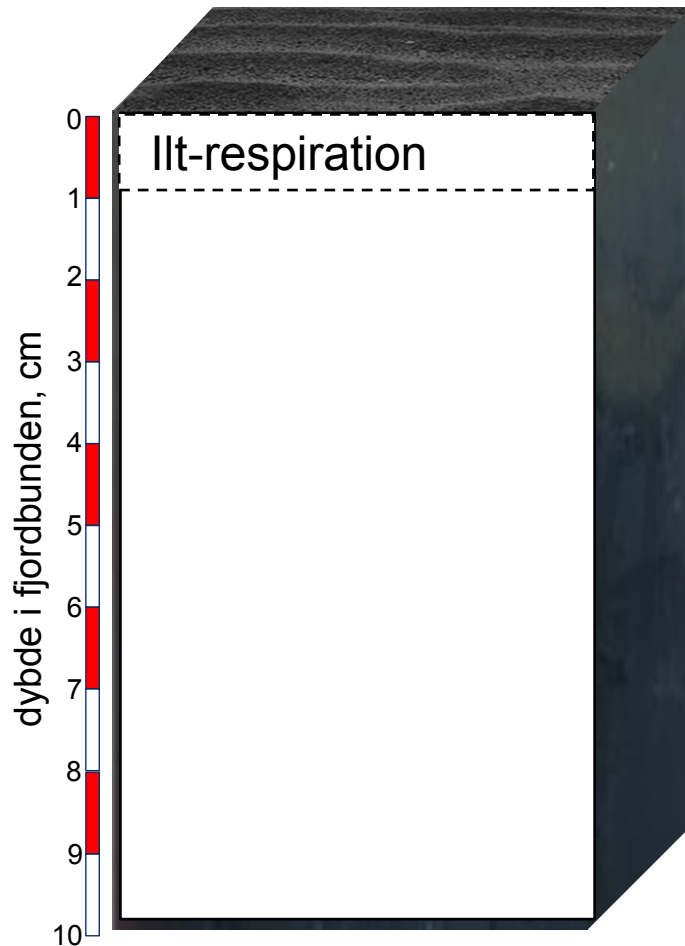
$\text{C}_{106}\text{N}_{16}\text{P}$

O_2

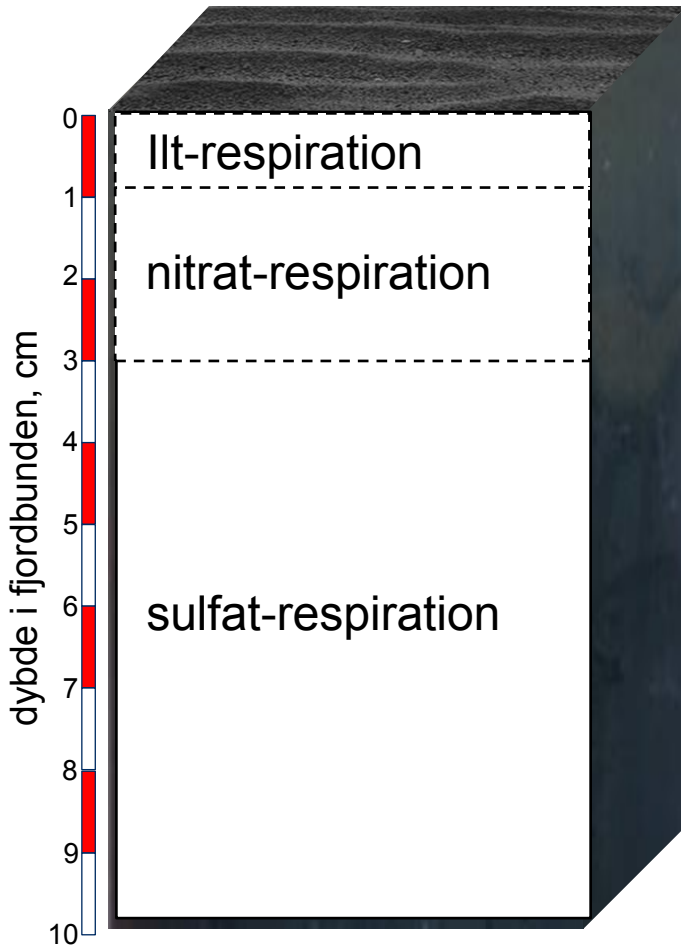


Mineralisering

organisk stof nedbrydning



Mineralisering

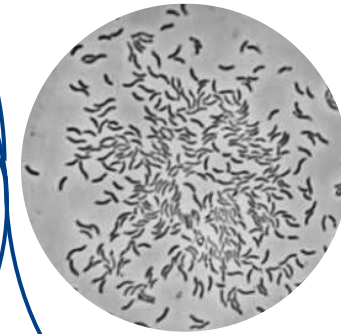


CO_2 ← organisk stof nedbygning

N ←

P ←

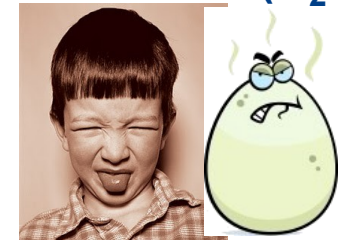
organisk
stof
 $\text{C}_{106}\text{N}_{16}\text{P}$



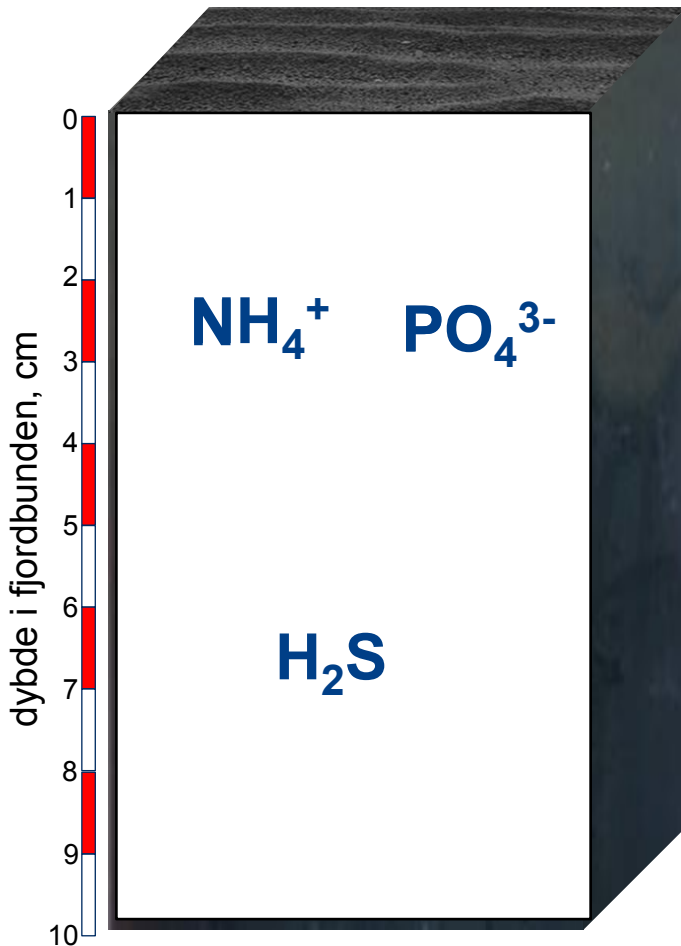
O_2

nitrat → frit kvælstof (N_2)

sulfat → svovlbrinte (H_2S)



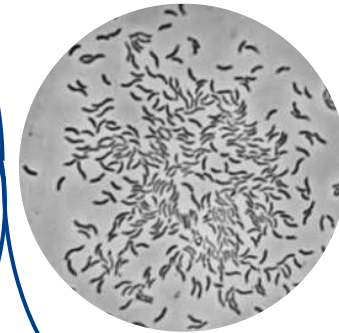
Mineralisering



CO_2 ← organisk stof nedbygning

N ←

P ←



organisk
stof

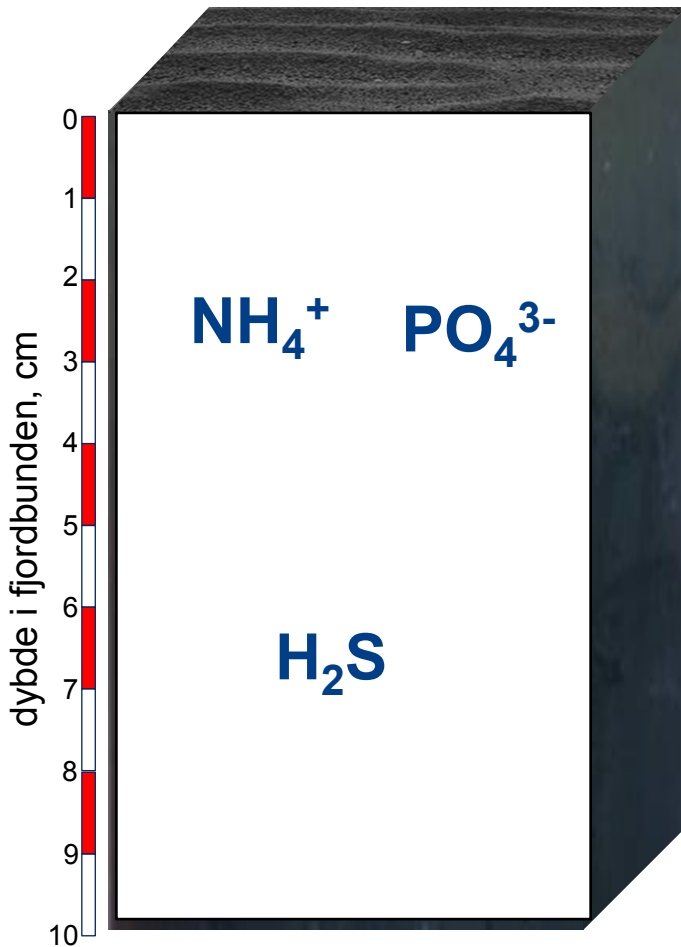
$\text{C}_{106}\text{N}_{16}\text{P}$

O_2

nitrat → frit kvælstof (N_2)

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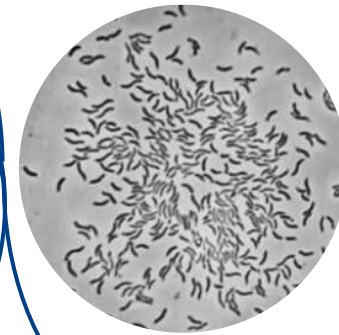
Mineralisering



CO_2 ← organisk stof nedbygning

N

P



organisk
stof

$\text{C}_{106}\text{N}_{16}\text{P}$

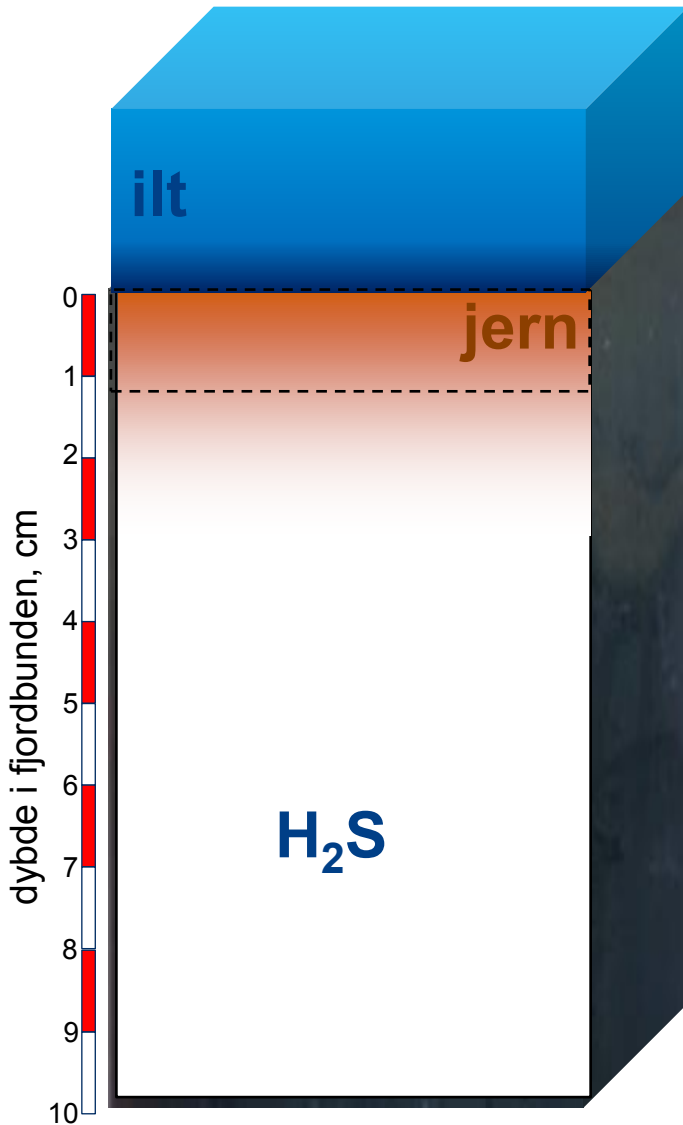
O_2

nitrat → frit kvælstof (N_2)

sulfat → svovlbrinte (H_2S)

Intern belastning

Temadag "Stenrev i Limfjorden" torsdag d. 28. februar 2013

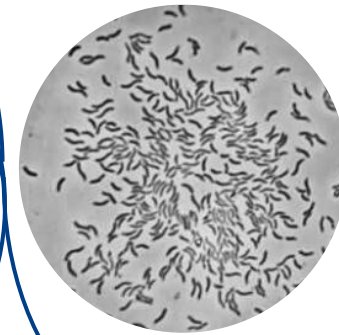


Mineralisering

organisk stof nedbygning → CO_2

N

P



organisk stof

$\text{C}_{106}\text{N}_{16}\text{P}$

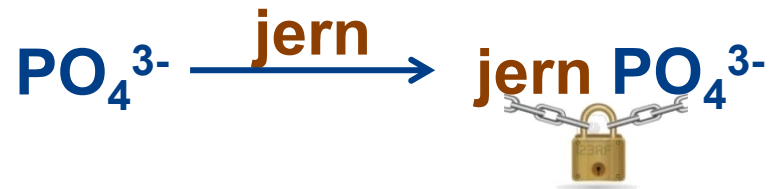
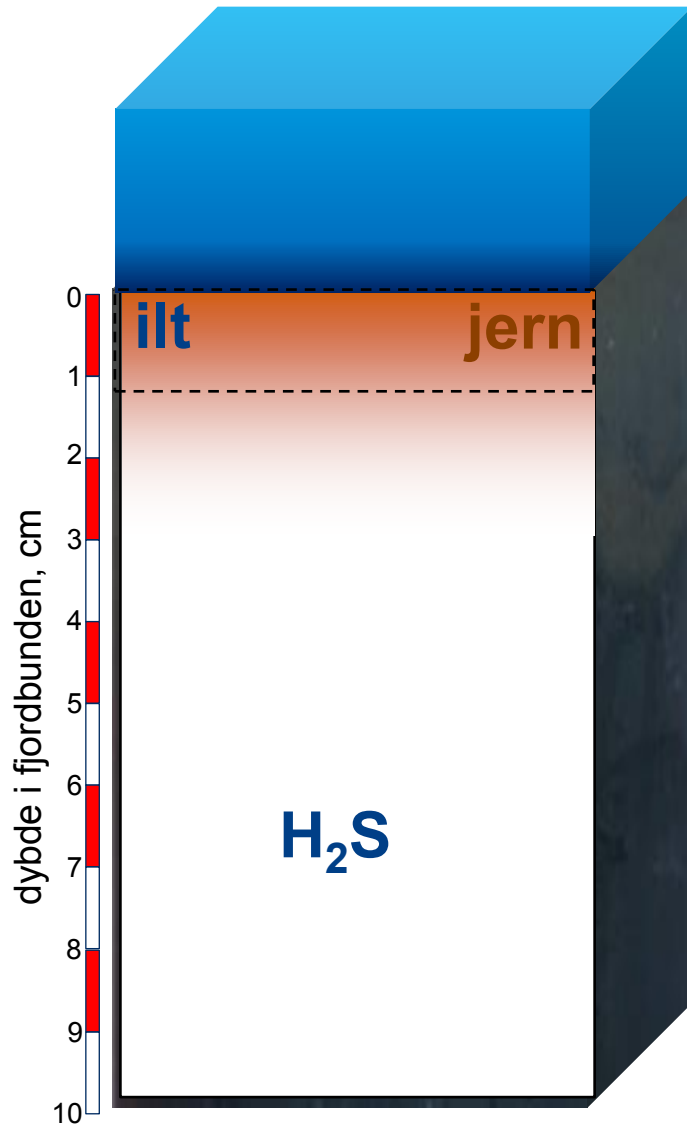
O_2

nitrat → frit kvælstof (N_2)

sulfat → svovlbrinte (H_2S)

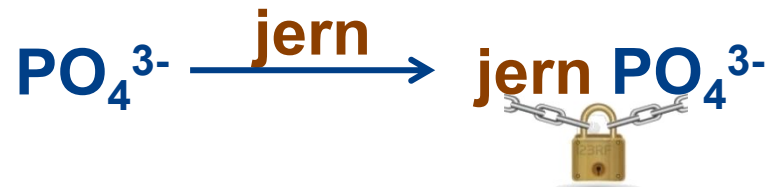
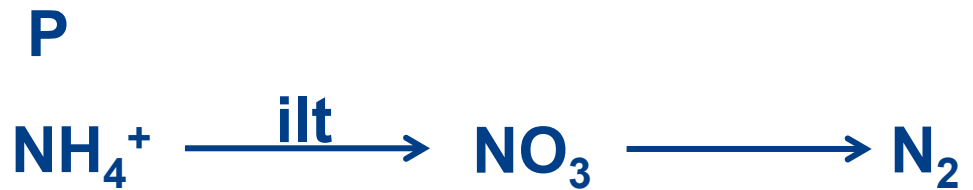
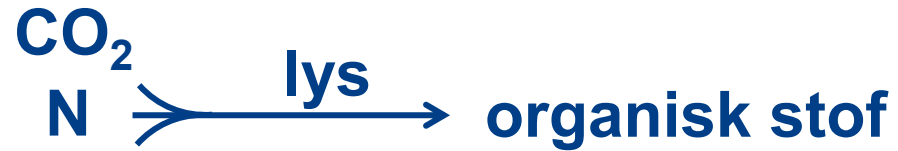
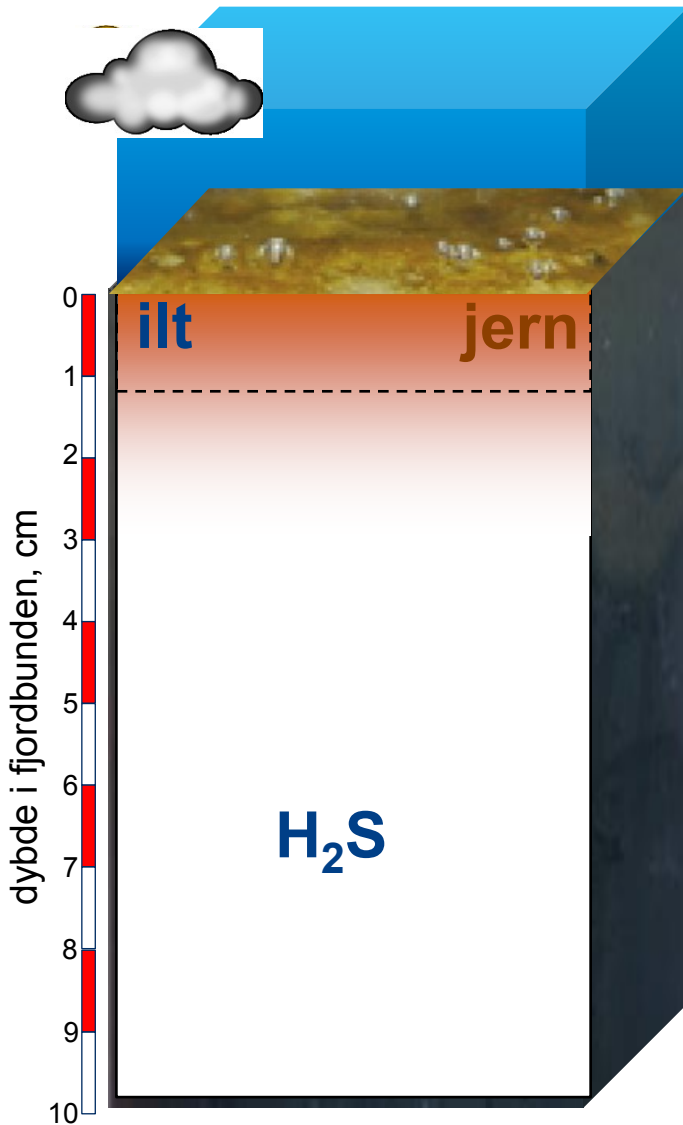
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Temadag "Stenrev i Limfjorden" torsdag d. 28. februar 2013



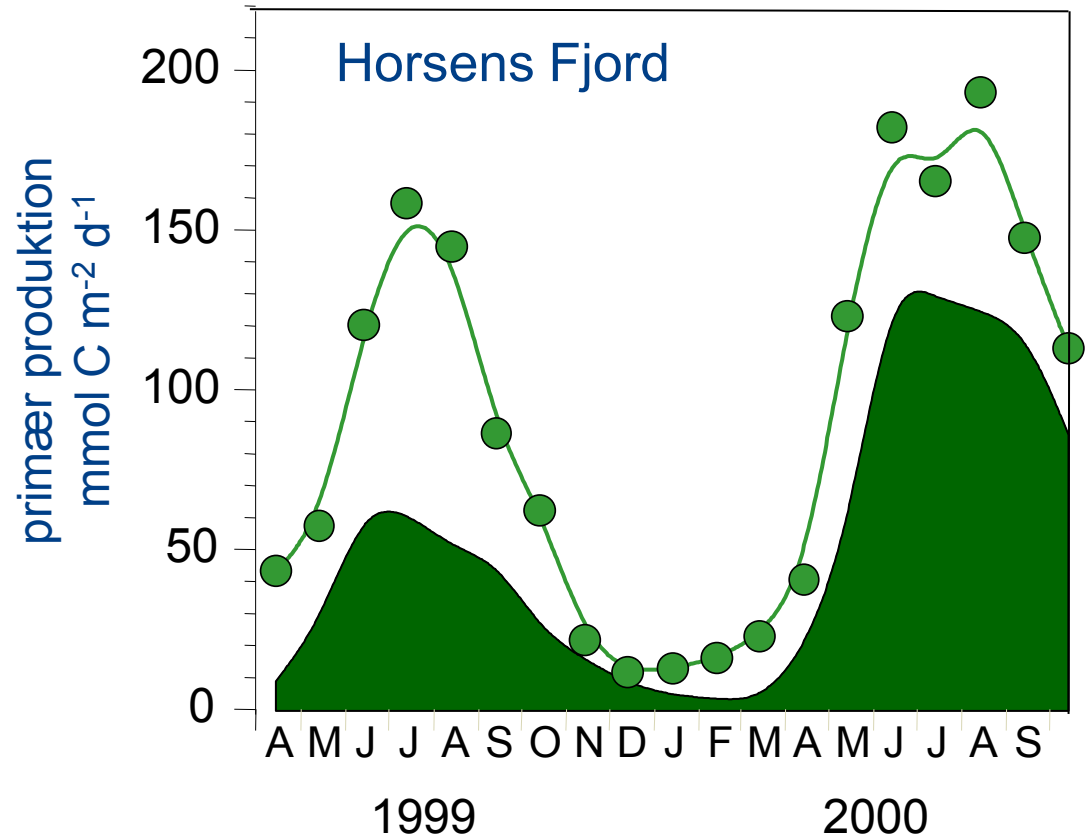
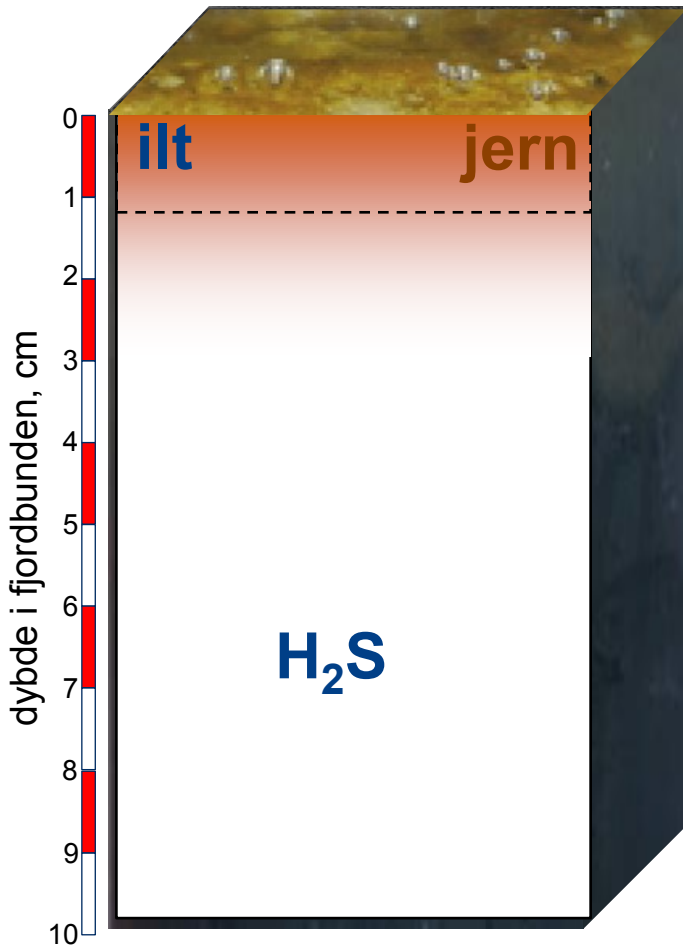
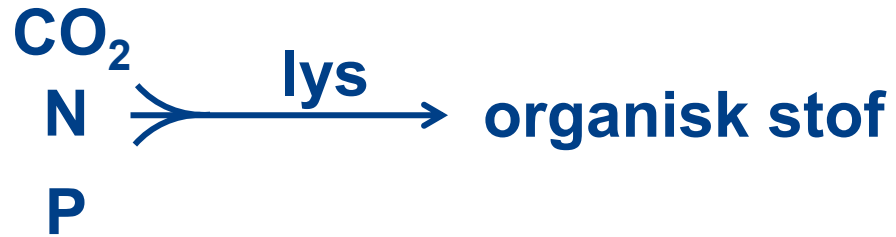
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Temadag "Stenrev i Limfjorden" torsdag d. 28. februar 2013



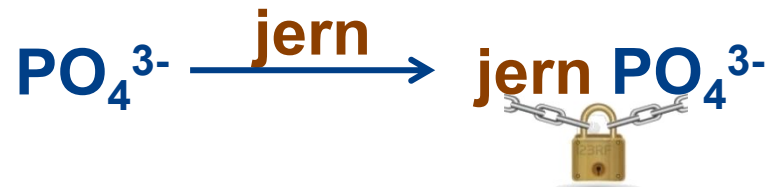
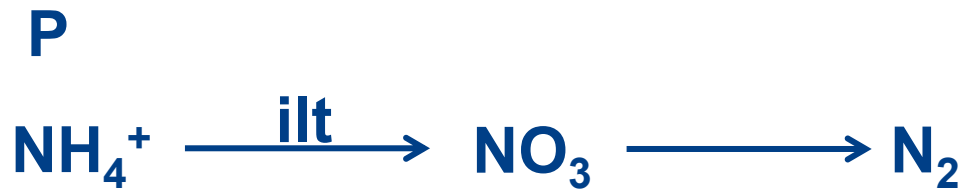
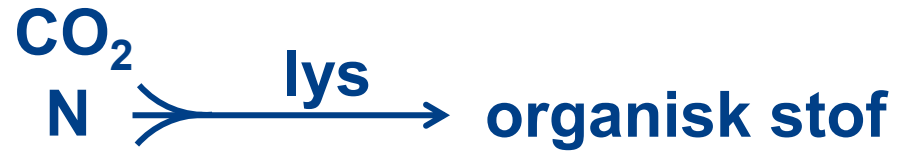
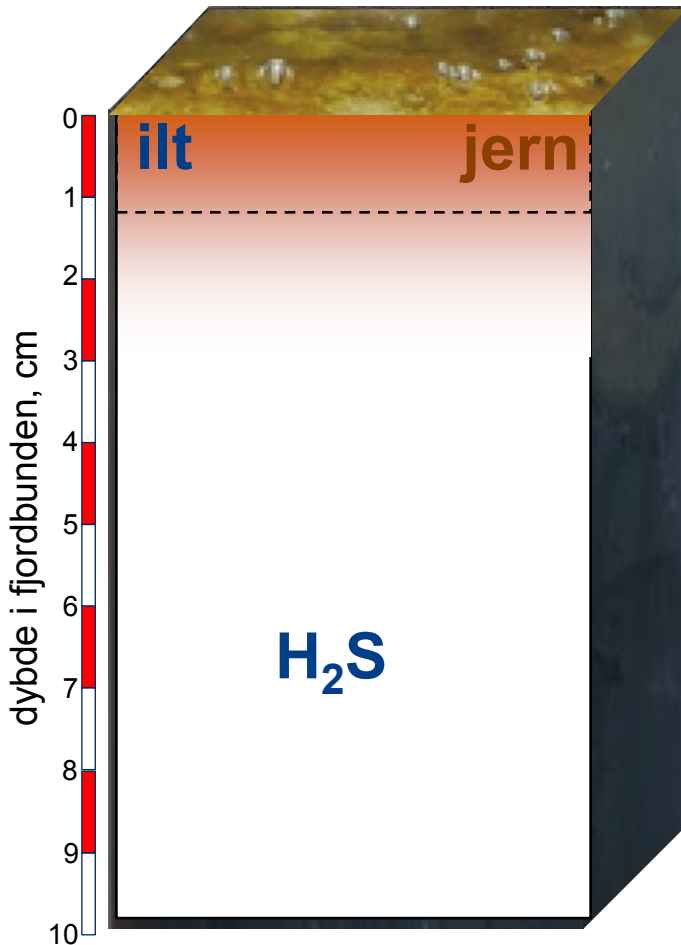
Primærproduktion

Temadag "Stenrev i Limfjorden" torsdag d. 28. februar 2013



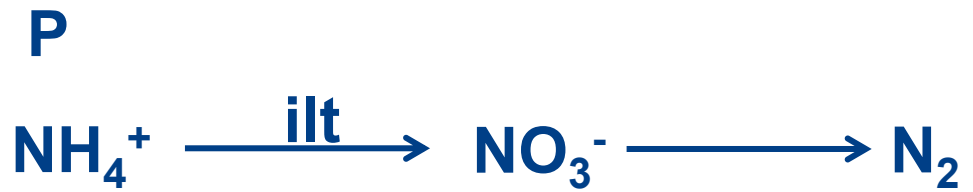
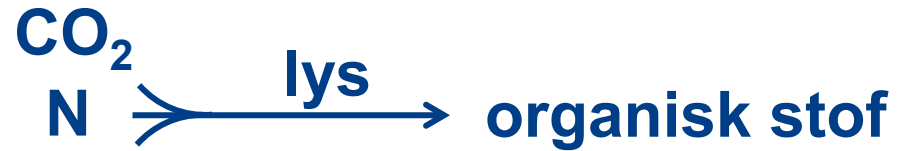
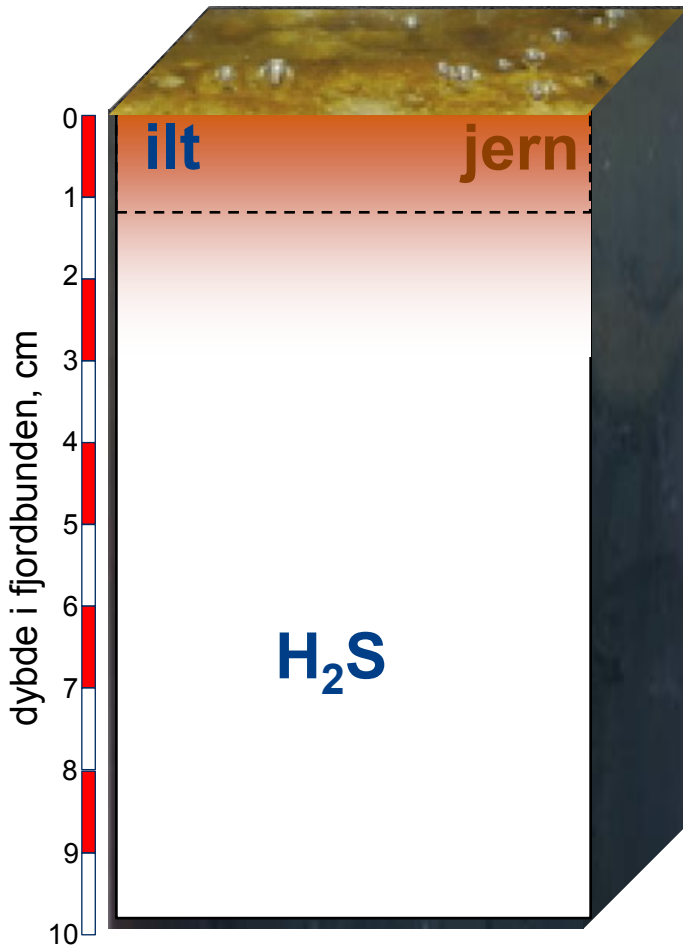
Intern belastning

Temadag "Stenrev i Limfjorden" torsdag d. 28. februar 2013



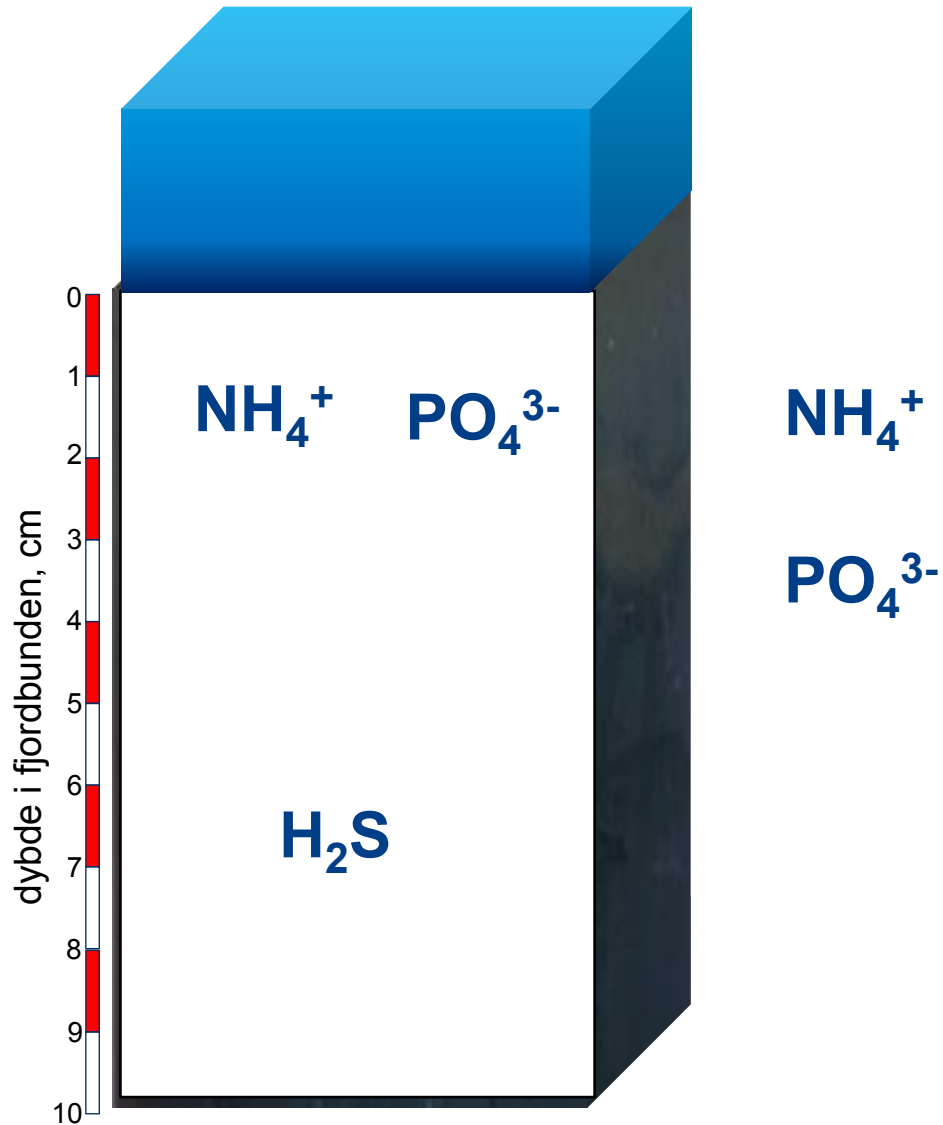
Når det går galt...

Temadag "Stenrev i Limfjorden" torsdag d. 28. februar 2013



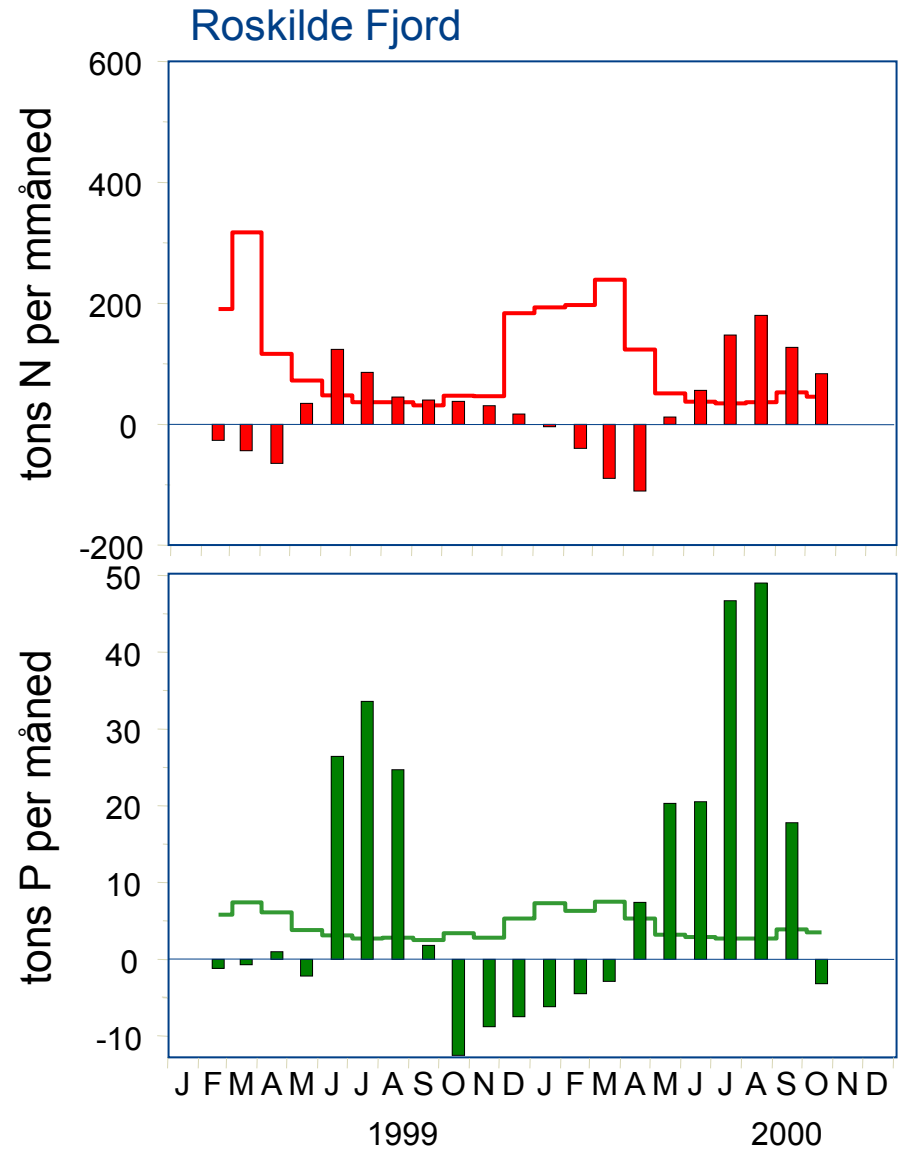
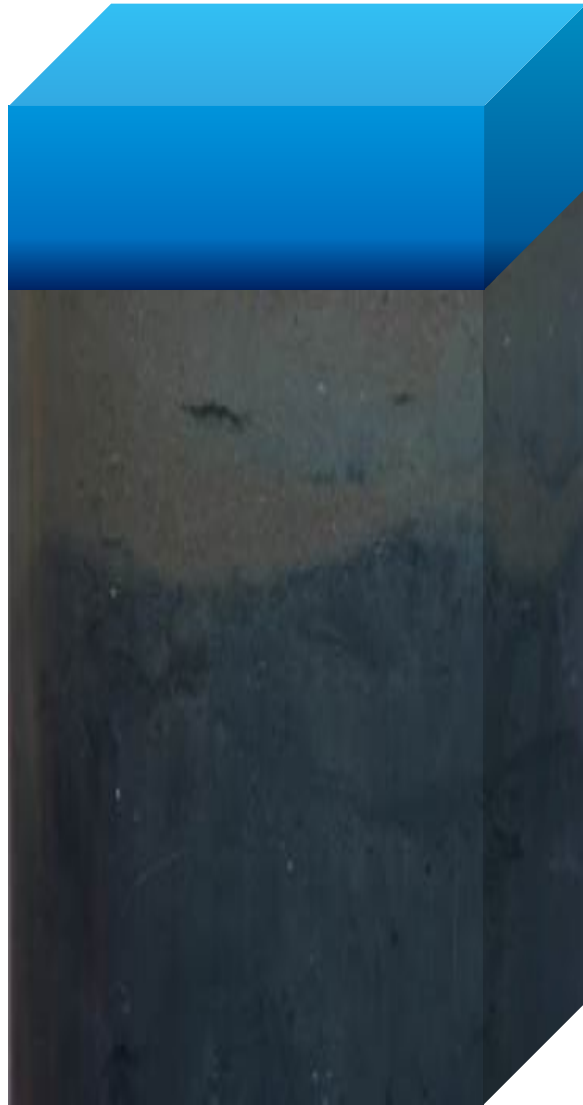
Når det går galt...

Temadag "Stenrev i Limfjorden" torsdag d. 28. februar 2013



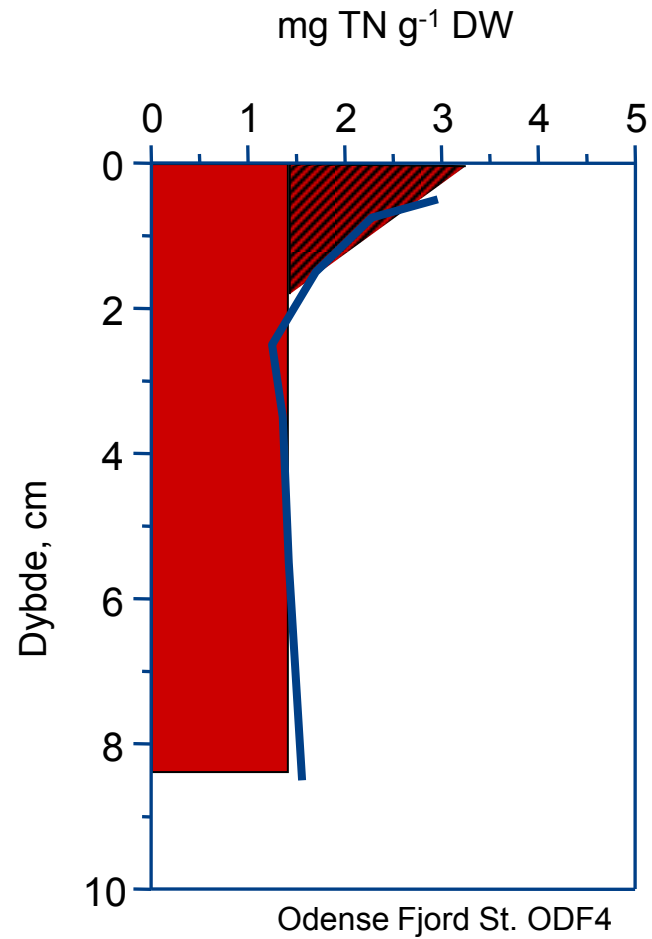
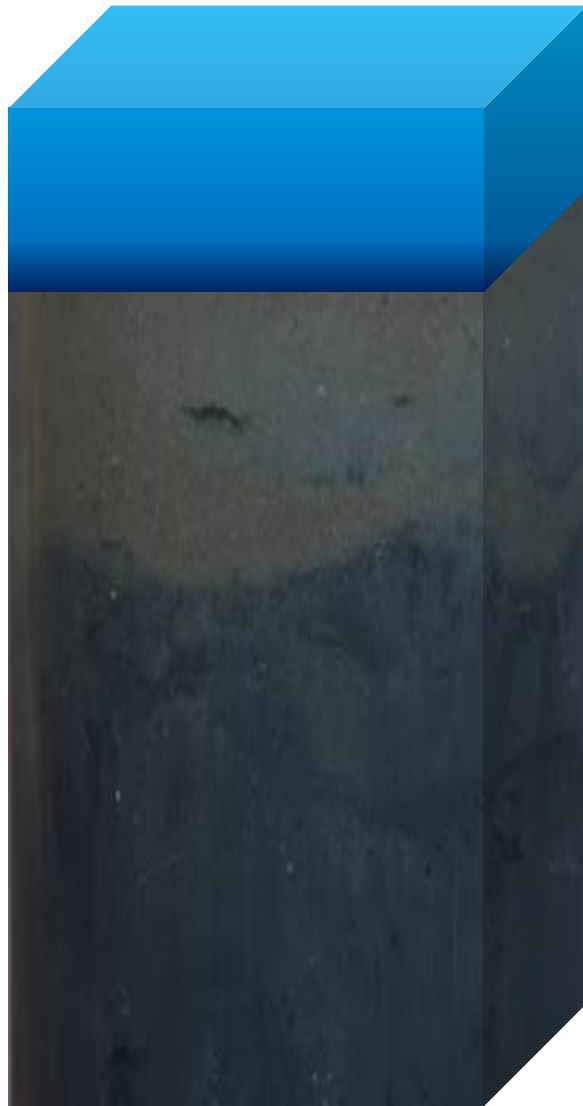
Intern belastning...

Temadag "Stenrev i Limfjorden" torsdag d. 28. februar 2013



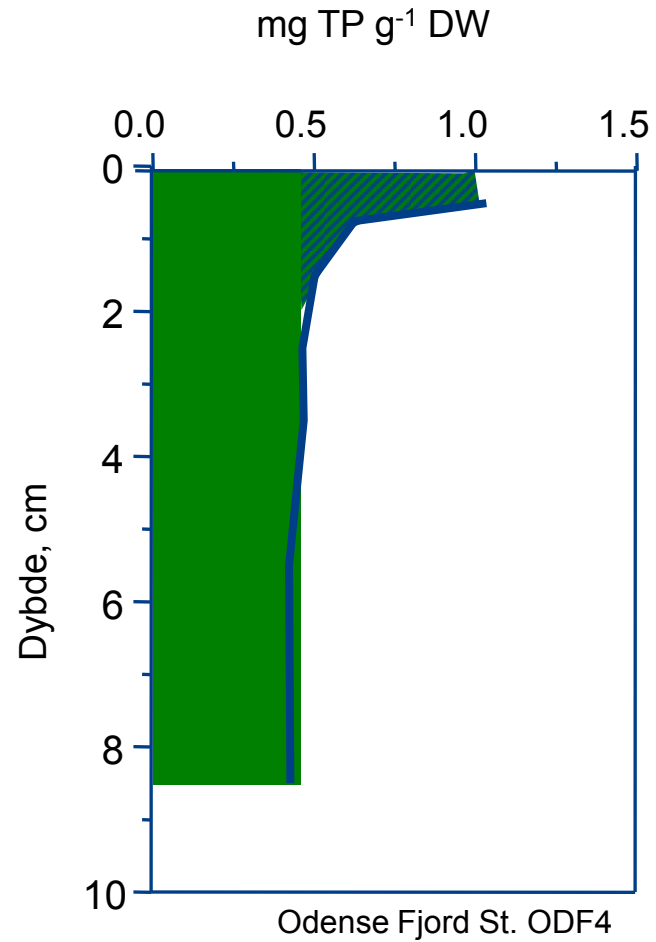
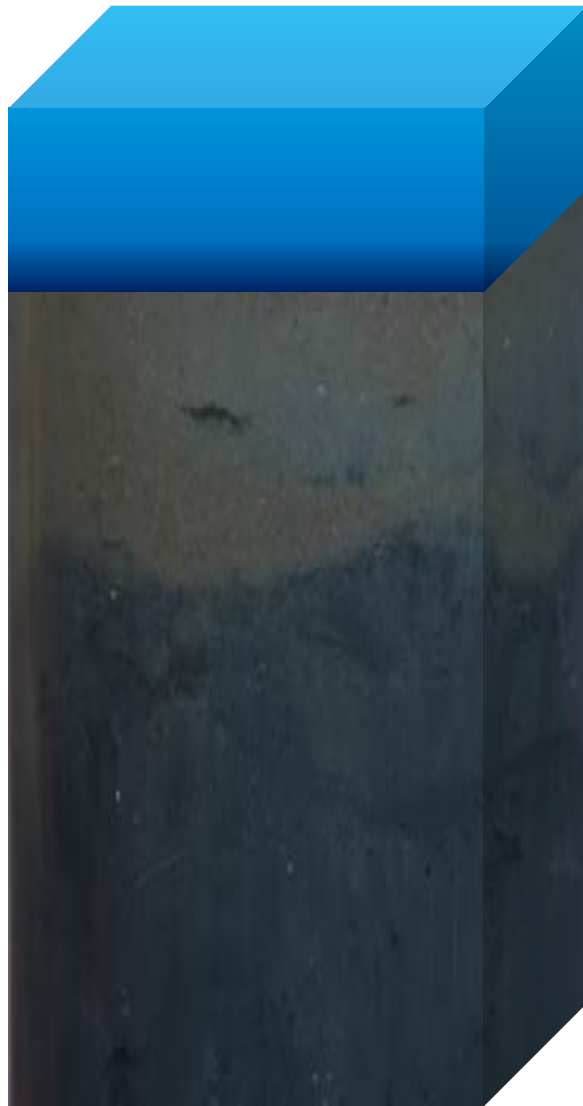
Interne puljer

Temadag "Stenrev i Limfjorden" torsdag d. 28. februar 2013



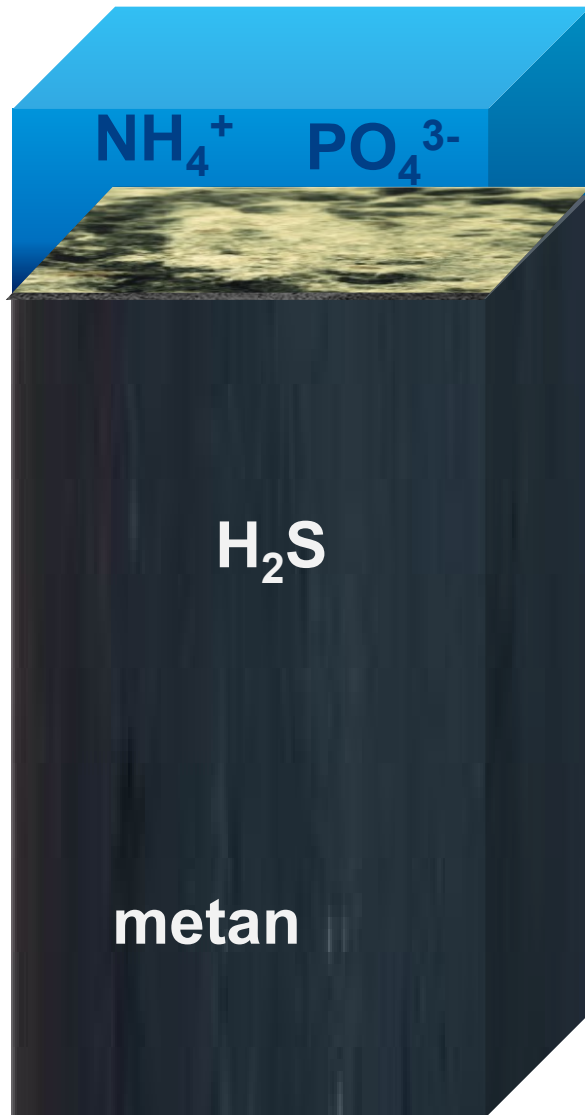
Interne puljer

Temadag "Stenrev i Limfjorden" torsdag d. 28. februar 2013

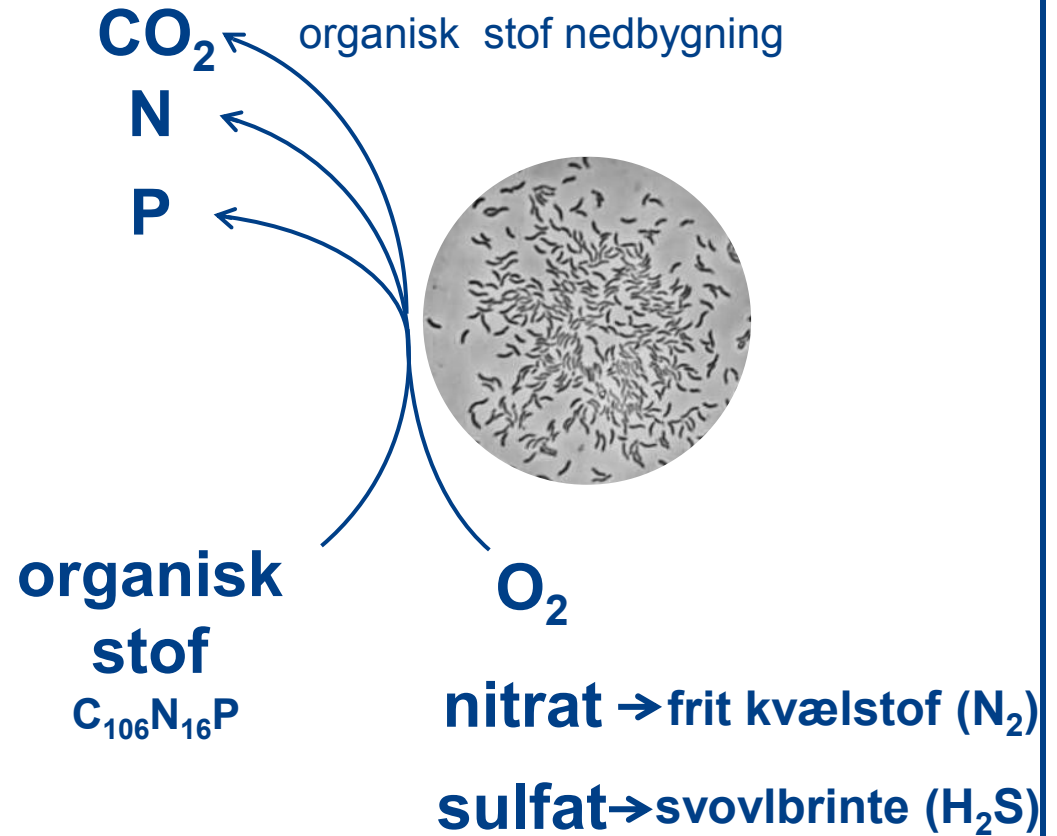


Metan dannelse

Temadag "Stenrev i Limfjorden" torsdag d. 28. februar 2013



Mineralisering

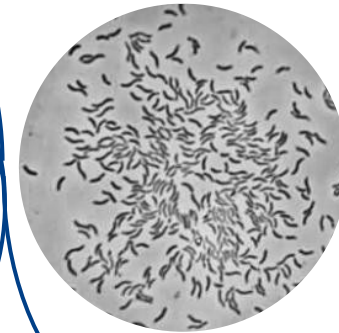


Mineralisering

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N ←

P ←



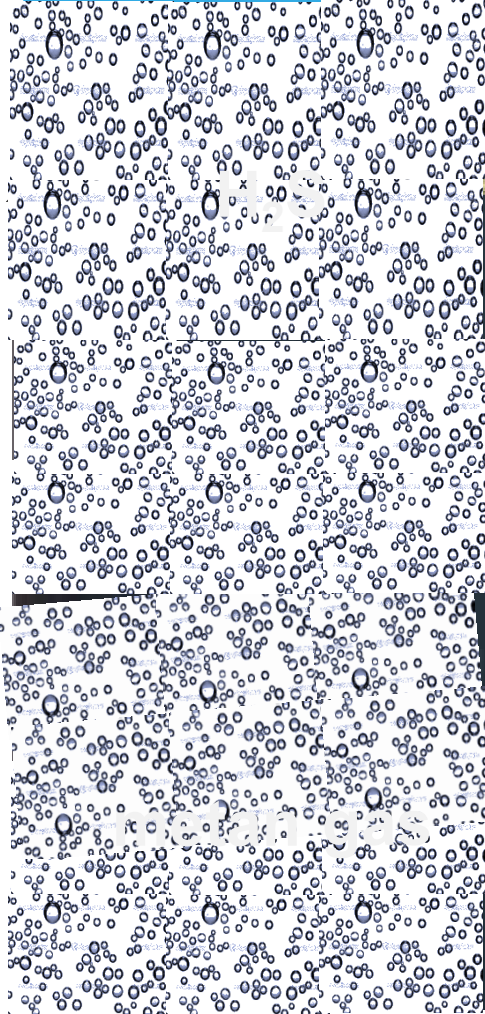
organisk
stof

$\text{C}_{106}\text{N}_{16}\text{P}$

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Fjordbundens betydning for omsætningen af næringsstoffer



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Fjordbundens betydning for omsætningen af næringsstoffer

TAK FOR OPMÆRKSOMHEDEN

