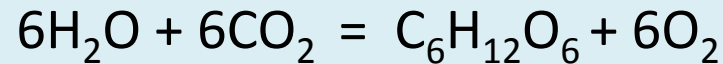


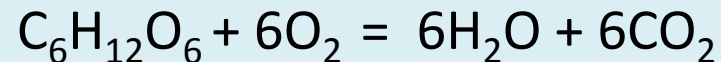


Plant production: biosphere – atmosphere interaction

Water + Carbon dioxide → sugars + oxygen



plant decay:



The terrestrial + the marine system:

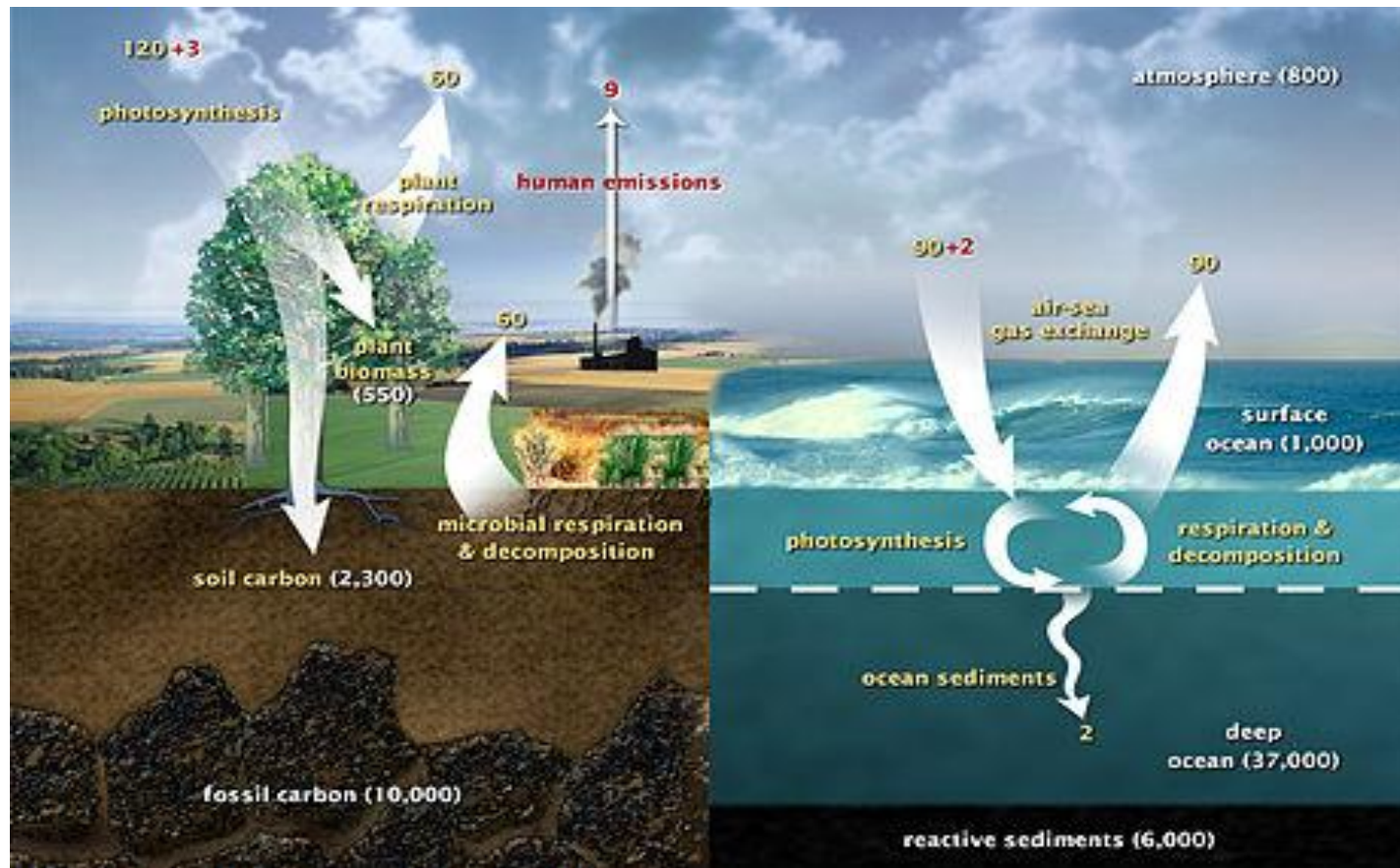
The annual carbon cycle extracts 120 + 90 Gton C from the atmosphere, and returns the same amount.

Emissions from human activities:

9 Gton C

Nature: 120 + 90 Gton C

Human emissions 9 Gton C



If we cannot reduce our own C emissions, perhaps we can reduce nature's emissions...

If we carbonise organic waste, we can immobilise the C for decennia or even ages.

If we store the carbonised material in the soil, perhaps we can improve the soil quality.

If we produce carbon with pyrolysis, we also produce gas and oil, this can substitute fossil fuels.

If this is possible, we create economic activities and reduce waste.

Win-win-win-win-win....

Can we do that? Will it work? Can we sequester C and improve our soils?

These questions are the basis of the project



BIOCHAR climate saving soils

The Interreg IVB
North Sea Region
Programme



European Union

European Regional Development Fund



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BIOCHAR climate saving soils

End conference
Groningen, December 10
2013

The project Biochar: climate saving soils is a project which is funded by the Interreg IVB North Sea Region Programme.

11 partners from 7 countries share their biochar knowledge about standards, production, use and environmental impact.

www.biochar-interreg4b.eu



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Biochar Climate Saving Soils





BIOCHAR climate saving soils

WELCOME in Groningen

12 hours non stop Biochar...

13 presentations

Production and use of biochar

Key functions and behaviour of biochar in the soil

Biochar and plant production

Poster and product presentations

Discussions, networking, future actions