

(Future) Landscapes as Carbon Sinks

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Humans have altered not only the Earth's atmosphere, but also changed the face of our planet - its surface. About three quarters of the Earth's surface has been altered by humans during the last millennium. This has significantly altered biogeochemical cycles and exchange processes between the 'critical zone' and the atmosphere.

Here I will show examples how those processes can be quantified by investigating carbon fluxes in natural lowland river systems and discuss how future landscapes could be used as carbon sinks.

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