Kiel, 10. September 2018

Iordan, C.; et al. (2018): Contribution of forest wood products to negative emissions


"In this work, we quantify the net CO\textsubscript{2} emissions and the temporary carbon storage in forest products in Norway, Sweden and Finland for the period 1960–2015, and investigate their correlation. We use a Chi square probability distribution to model the oxidation rate of C over time in HWPs, taking into consideration specific half-lives of each category of products. We model the forest regrowth and estimate the time-distributed C removal. We also integrate the specific HWP flows with an emission inventory database to quantify the associated life-cycle emissions of fossil CO\textsubscript{2}, CH\textsubscript{4} and N\textsubscript{2}O."

LINK

Linked to: afforestation, Carbon Dioxid Removal

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