Measurement of Soil C Stock and Stock Changes in Irish Forest Soils

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Abstract

39% of global carbon (C) stored is stored in forest soil ecosystems and 77% of global carbon is stored in forest ecosystems (Bolin 1970). Consequently, this has led to the inclusion of Article 3.3 in the Kyoto Protocol. Article 3.3 allows changes in C stocks due to afforestation, deforestation, and... 

Methods

The paired plot approach will be used to investigate the effect of afforestation on mineral soil carbon stock. Twenty forested sites from the list of National Forest Inventory (NFI) sites will be chosen. The National Forest Inventory is the first detailed field-survey of Ireland's forests and woodlands. 

Results

• Database of soil C content, bulk density, soil texture and sample archive
• National SOC stock and stock change estimates

References


Expected Deliverables

• Database of soil C content, bulk density, soil texture and sample archive
• National SOC stock and stock change estimates

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References


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