

Job posting

Type of position



scientific



administrative

Target group



graduates



post docs



other

Title Stock, turnover and functions of carbon in heavily weathered soils under lowland rainforest transformation systems

Institution Dept. of Soil Science of Temperate Ecosystems, University of Göttingen

Position PhD position: 65 % TV-L 13

Responsibilities The project will evaluate carbon (C) budget and C stocks in soils with especial focus on the stability of the C in aggregates depending on land use. Production of dissolved organic C and its stabilization by Fe³⁺ and Al³⁺ oxides in upper and deep soil horizons will be investigated. C turnover under four land use systems will be evaluated by $\Delta^{14}\text{C}$ and will be compared with enzyme activities and decomposition rates of organic C from different depths analyzed in incubation studies.

Requirements

- hold a Master in geoecology, soil science, environmental sciences, agricultural sciences
- have a research focus on SOIL SCIENCE
- experience in laboratory work and methods development and interest in empiric studies
- are willing to collaborate with other researchers of the CRC
- are proficient in English
- working in the tropics is desired
- able to work in the tropics and under field conditions

Application procedure (deadline etc.) Please send your electronic application with the usual documents by February 06, 2012 to Prof Dr Yakov Kuzyakov (kuzyakov@gwdg.de)

Contact

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If you have any questions, please contact Prof Kuzyakov (phone: +49 551 399765).