BioSceneMada

Scénarios d’évolution de la biodiversité sous l’effet conjoint du changement climatique et de la déforestation à Madagascar

Atelier de travail 3 mars – 7 mars 2014

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Chargé de projets R&D (ETC) / PhD fellow (IRD)

Environmental studies at ETC

Quantifying effects and impacts of rural developpement project activities (conservation, agroecology..) on naturals ressources (GHG, water, soil, biodiversity)

- Implementing GIS for project management, reporting and communication
- Ground survey and inventory
- Spatial analysis and spatial modelling (LU&LUC, carbon mapping..)
- Development cost effective tools from farmeyard to national scale.

R&D activities

PhD Thesis (ETC Terra / IRD)

- Mapping carbon stocks in terrestrial ecosystem at various scale (landscape, region, country) in Madagascar

- Measurement and collection of soil properties

- Developpement of cost effective/accurate/reproductible carbon monitoring methodologies

- Modelling changes in soil carbon stocks

Relevant publications

- First Madagascar digital soil carbon stock 0-30 cm map (Grinand, 2009)
- Developmeent of a new methodology on historical deforestation 2000-2005-2010 mapping using remote sensing (Grinand et al, 2013)
- Participation in model developppement and estimation of futur deforestation at project scale under a BAU scenario (Vieilledent et al, 2013)