Continent: Asia Country: Vietnam

Bac Kan province

Mean annual rainfall: 1600 mm



Trees link to ecosystem services?













Contact: Do Trong Hoan Email: t.do@cgiar.org

Future land use scenarios & landscape carbon stock (2010-2040)

'Forest, Agroforest, Low-value Lands Or Waste?)' (FALLOW) model was used to help local land use planners in designing 'greener' land use strategies.

Scenarios

1. Business as Usual (BAU)- free competition of all land uses based on economic profit

2. Acacia forest expansion-- subsidy is given to smallholders for establishing forest plantation

3. Crop expansion--subsidy is given to smallholders' for annual crop production 4. REDD+-- bare lands of protection and special-used forest will be planted with forest tree species while illegal logging will be completely stopped

REDD ++ or REALU (Reducing emissions from all land uses)-- REDD+ and upland mono-cropping will be replaced by agroforestry systems



Trade-off analysis between scenarios



REALU (REDD+ & agroforestry on shifting cultivation land) is a better scenario in terms of landscape C-stocks, but it will only be feasible if an incentive mechanism is in place to compensate for income loss.