Some questions to consider

What should a farmer ask in order to identify legitimate opportunities?
Do farmers need to pay to become part of a carbon credit project?
Does a farmer need to sign over a land title to be a part of a project?







Simple questions

- Who is the project developer?
- What are their credentials?
- Can TGO verify them as legitimate?
- What kind of project is it?
 - A/R, REDD, Agroforestry
- What market is being targeted?
- What are the project criteria?
 - Measurement techniques?
 - Project period?
 - Verification method?

• What is the carbon credit payment procedure

Is there a project enrollment contract?





Additional information

• Do farmers need to pay to become part of a carbon credit project?

There could be fees associated with developing the project. For example, costs to GPS farm (project) boundaries and to take field biomass measurements; for preparing new areas for planting and for planting trees.

However, project developers will often pay these costs themselves in exchange for a % of the future carbon credit sale ... OR ... a buyer who has already agreed to purchase the future credits will pay for the development and start-up costs



Also....beware

 Does a farmer need to sign over a land title to be a part of a project?

NO!!!! NEVER!!!!

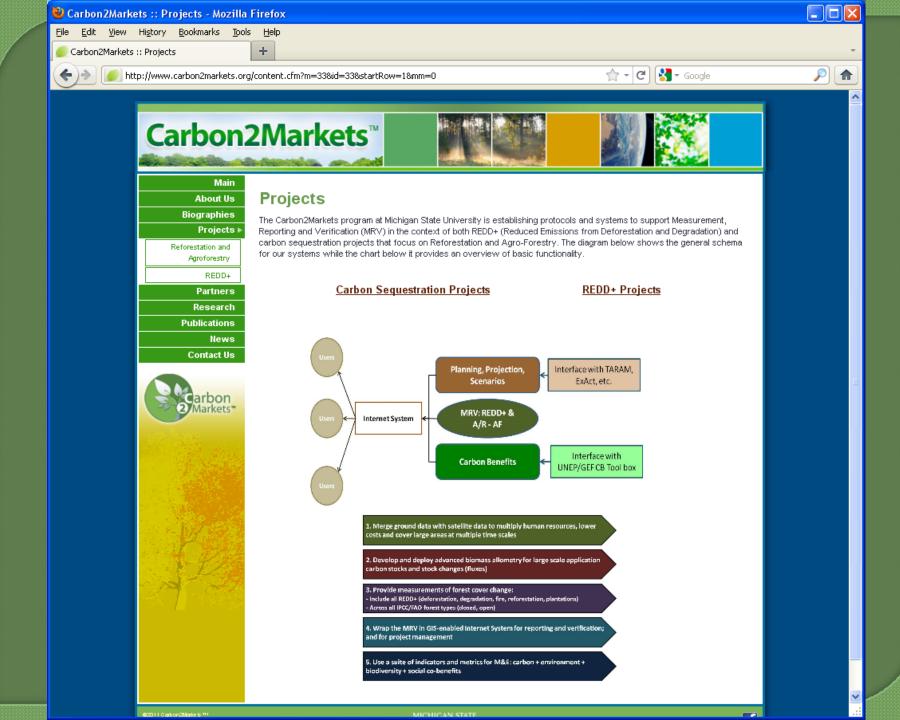


Carbon credit projects are about the carbon stored in biomass and soil. They are not about the LAND where the carbon is being captured and stored. Buyers pay for the ecosystem service of climate mitigation and to offset their own emissions. They are not buying the LAND.

Carbon2Markets



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http://www.carbon2markets.org/		☆ - C	£
Carbon2Mark	ets* 🔛 🕜 2		
Main About Us Biographies Projects Partners Research Publications News Contact Us	Globally measuring, monitoring and managing carbon projects	Mitigation of climate change through Agroforestry Agroforestry can be an important means for carbon sequestration More ≥ Carbon & Poverty It is possible to simultaneously reduce atmospheric carbon and alleviate poverty <u>More ></u> Carbon Markets Global carbon financial markets can benefit from new methods <u>More ></u> REDD+ Leam <u>More ></u>	
	Carbon2Markets™ is a proje focuses on combining value carbon financial markets an holders in developing cour accurate measurements reforestation and agro-forestm high resolution remote se modeling. Our offset projects long-term storage of seques development and monit	ct of Michigan State University that chains from carbon credits in the d agro-forestry products for small tries. Carbon2Markets™ provides of carbon sequestration from y land management activities using nsing data, web-GIS tools, and s have repeat monitoring to ensure tered carbon. Our model of project oring enhances the ground urements from earth observing	



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Carbon2Markets™ Inventory Map

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Satellite

Hybrid

Terrain

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Featured Projects

Carbon2Markets™ is currently developing and registering several projects in Africa, Southeast Asia and Latin America. Below is a brief listing of a few featured projects. These projects and others can be explored in greater depth using the map above or by downloading this <u>KMZ</u> file. To see an example of a detailed project management and measurement system for one site click here.

🔎 Viet Nam

Kien Lao and Cam Son Communes, Luc Ngan District, Bac Giang Province The project area is located approximately 90 kilometers northeast of the capital city, Hanoi. The landscape Luc Ngan District is a

Hanol. The landscape Luc Ngan Districtis a mosaic of paddy rice in the lowlands, Litchi orchards, cassava, soybean and pineapple, and afforestation/reforestation in the upland areas. This Carbon2Markets™ project is centered on community-based agroforestry with Litchi and small-holder

afforestation/reforestation (Acacia, Pine, and Eucalyptus) in collaboration with the Vietnamese Ministry of Agriculture and Rural Development.

Access the Luc Ngan Project



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Publications

Carbon2Markets[™] Prospectus Greening the Globe through Carbon Sequestration Released August 2007

Amazon Deforestation A photo essay by Ricardo Funari Released 2000

<u>Other publications from</u> Carbon2Markets™

Carbon2Markets[™] has several publications available on the web through the <u>Global Observatory for</u> <u>Ecosystem Services</u>.

Downloads

Carbon2Markets™ project inventory KMZ file

To review more details on some of the more advanced Carbon2Markets™ projects download this KMZ file for your Google Earth thick client.

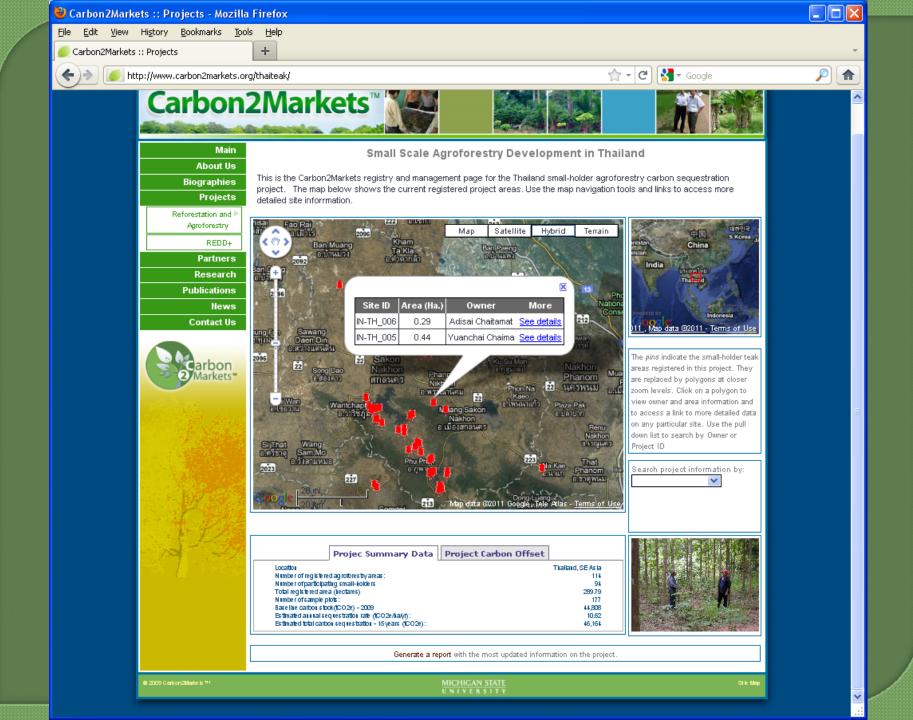
Carbon Offsets Project Thailand(Teak)

Access the MRV system for the small-scale agroforestry carbon offset project in Thailand.

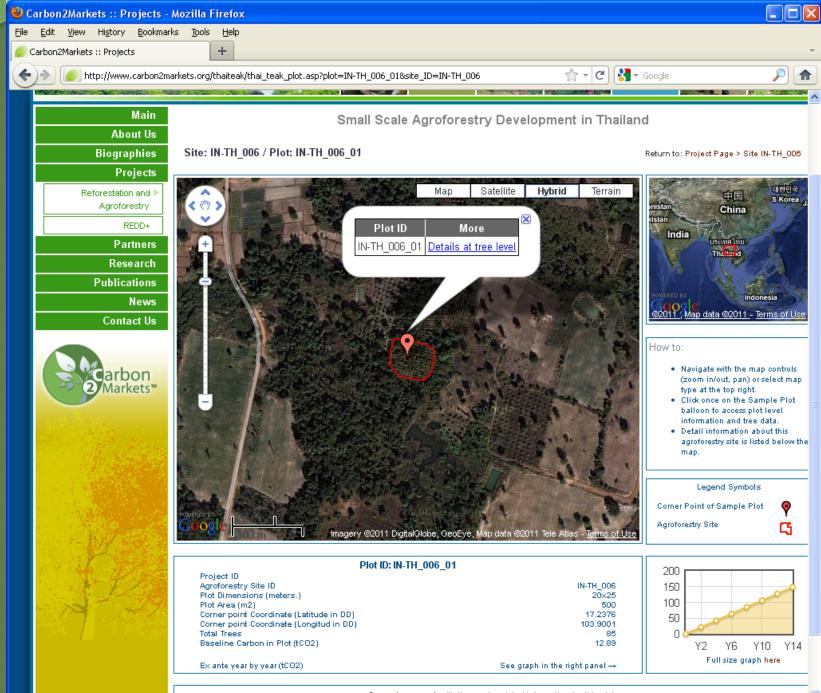
- 283 ha small-holder tectona grandis
- Average size 2.9 ha
- 114 stands in five provinces
- 98 households

1





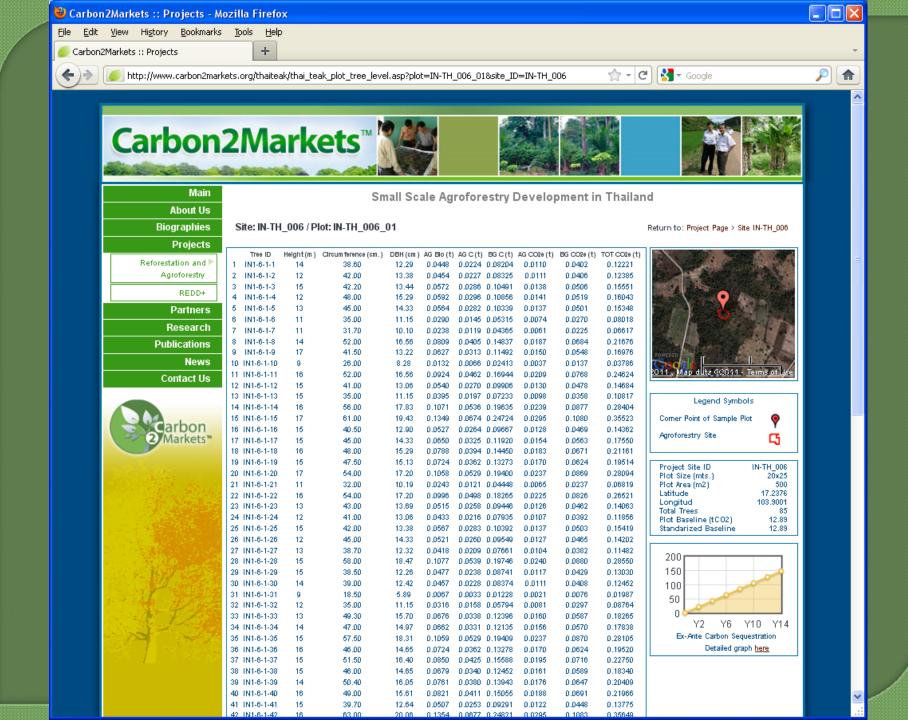




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Generate a report with the most updated information for this plot.

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Thailand's Forest and Agroforest Carbon Credit Potential



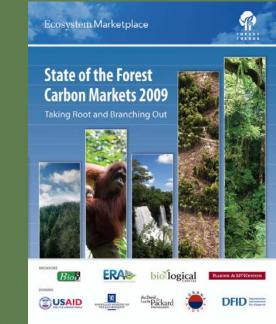
Thailand's Potential

Project Types

- Small-holder Agroforestry
- Aforestation/Reforestation
- IFM: Improved Forest Management
- REDD+ : Reduced Emissions from Deforestation and Forest Degradation in Developing Countries

• Markets

- Compulsory Markets
 - UNFCCC CDM A/R
 - NZ ETS
 - New South Wales
- Voluntary Carbon Markets
 - Over-the-Counter (OTC)
 - $CCX \rightarrow X$
- REDD Finance Mechanisms

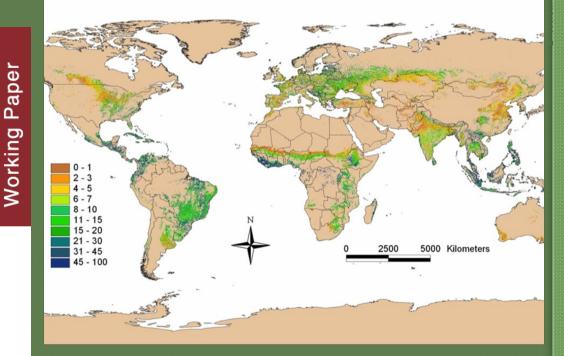


http://www.foresttrends.org/documents/index.php?pubID2384



Tree Cover on Agricultural Land - Global

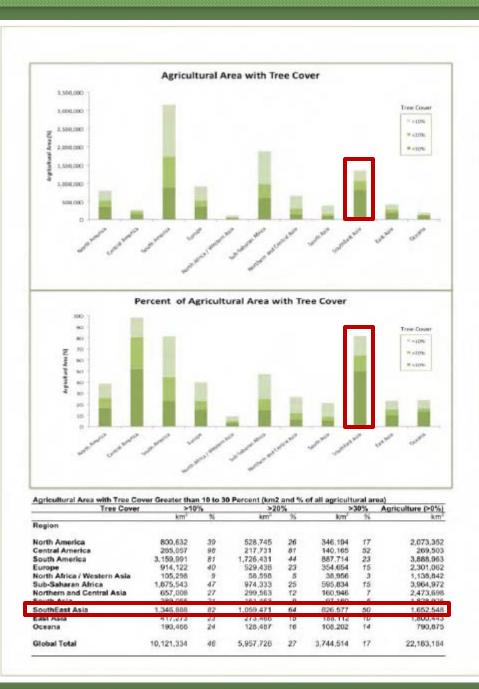
2009



Agroforestry, if defined by tree cover of greater than 10% on agricultural land, is widespread, found on 46% of all agricultural land area globally, and affecting 30% of rural populations. Based on our datasets, this represents over 1 billion hectares of land and 558 million people. Agroforestry is particularly prevalent in southeast Asia, Central America, and South America with over 80% of area under agroforestry.

Trees on Farm: Analysis of Global Extent and Geographical Patterns of Agroforestry Robert J. Zomer, Antonio Trabucco, Richard Coe and Frank Place





Royal Forest Department/Department of National Parks, Thailand (2009)

ASIA-PACIFIC FORESTRY SECTOR OUTLOOK STUDY II

WORKING PAPER SERIES

Working Paper No. APFSOS II/WP/2009/22

THAILAND FORESTRY OUTLOOK STUDY

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS REGIONAL OFFICE FOR ASIA AND THE PACIFIC

Bangkok, 2009

Table 1. Land-use pattern by region, 2001

Forest	Farmholding land	Unclassified
%		
54.0	26.4	19.6
15.0	55.0	30.0
27.1	30.9	33.0
22.5	43.4	34.1
31.4	40.9	27.7
	54.0 15.0 27.1 22.5	% 54.0 26.4 15.0 55.0 27.1 30.9

Source: Based on Agricultural Statistics of Thailand, 2004.

Table 2. Forest cover, 1996-2006

Year	Forest cover	
Teal	1,000 ha	% of the country area
1961	27,369	53.33
1973	22,172	43.21
1976	19,841	38.67
1978	17,522	34.15
1982	15,680	30.56
1985	15,087	29.40
1988	14,380	28.02
1989	14,343	27.95
1991	13,670	26.64
1993	13,355	26.03
1995	13,148	25.62
1998	12,972	25.28
2000	17,011	33.15
2004	16,759	32.66
2005	16,100	31.38
2006	15,865	30.92

Source: Charuppat (1944); DNP (2006); RFD (2007).

Table 4. Plantation area by species in 2000			
Species	1,000 ha		
Rubber	2,019		
Teak	839		
Eucalyptus spp	443		
Acacia mangium and other A. spp	148		
Other broadleaved species	541		
Pinus merkusii and other P. spp	689		
Other conifers	148		
Total	4,824		
Source: FAO (2001).			

http://www.fao.org/fileadmin/templates/rap/files/APFSOS/2009-22Thailand.pdf

🕹 Land Resources in Thailand - Mozilla Firefox		
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http://www.ldd.go.th/EFiles_html/land resource/ed0200.htm	\sim	
Land Use Pattern and Land Suitability in Thailand		^
Land Development : A Fundamental of Sustainable Agriculture		

Land Resources in Thailand

Land Use Pattern and Land Suitability in Thailand

i. Land use pattern for agriculture in Thailand is approximately 146,942,758 rais or 45.83 % of total Land.

Paddy field	83,783,756	rai
cash crop	48,462,508	rai
vegetable	88,061	rai
Orchards and trees	14,608,433	rai
Forest reserve	123,394,201	rai
other such as community, reservoir and bare land etc.	50,351,991	rai
Agriculture area in each region		
Northeast	60,238,388	rai
North	33,392,953	rai
Central&West	23,405,110	rai
South	18,187,101	rai
East	11,719,206	rai

: Land Development Department, 2527 , Landuse Planning in Northeast

ii. Land Suitability for agriculture, from research of soil properties by using soil map in region level scale 1: 500,000. It consist of environment factors which can classify in this following



Questions?

