

Presentation given at the Southeast Asia Katoomba meeting

Katoomba XVII

Taking the Lead: Payments for Ecosystem Services in Southeast Asia

June 23-24, 2010

Hanoi, Vietnam

Hosted by:

Forest Trends, the Katoomba Group, Ministry of Agriculture and Rural Development (MARD), Ministry of Natural Resources and Environment (MONRE), United States Agency for International Development (USAID) and Winrock International



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How payments for carbon sequestration create new forests of high biodiversity and social welfare in Vietnam

A successful project example of ForestFinance Group and a State Forest Company in the province of Kon Tum

About CO₂OL

- ✓ CO₂OL is a brand of ForestFinance Group
(based in Bonn, Germany as Forest Finance Service GmbH)




- ✓ ForestFinance Group:
 - ✓ about 5.000 customers and investors
 - ✓ Turnover in 2008 about 6 Million USD
 - ✓ 75 employees worldwide (25 in Germany)

- ✓ Business areas of the ForestFinance Group:

Investment	Carbon Solutions	Green Energy
<ul style="list-style-type: none">✓ WoodStockInvest✓ ForestSavingsPlan✓ TreeSavingsPlan✓ GiftTree✓ CacaoInvest✓ GreenTeak	<ul style="list-style-type: none">✓ CarbonConsult✓ GreenMobility✓ Carbon Footprinting✓ Carbon Neutral✓ Project Development	<ul style="list-style-type: none">✓ Biomass✓ GreenAcacia



About CO₂OL

- ✓ Specialized in Green Events, Green Meetings, hotels and tourism, mobility
- ✓ Founded in 1998
- ✓ Member of 
- ✓ References

GreenMobility



CO₂-Bilanz



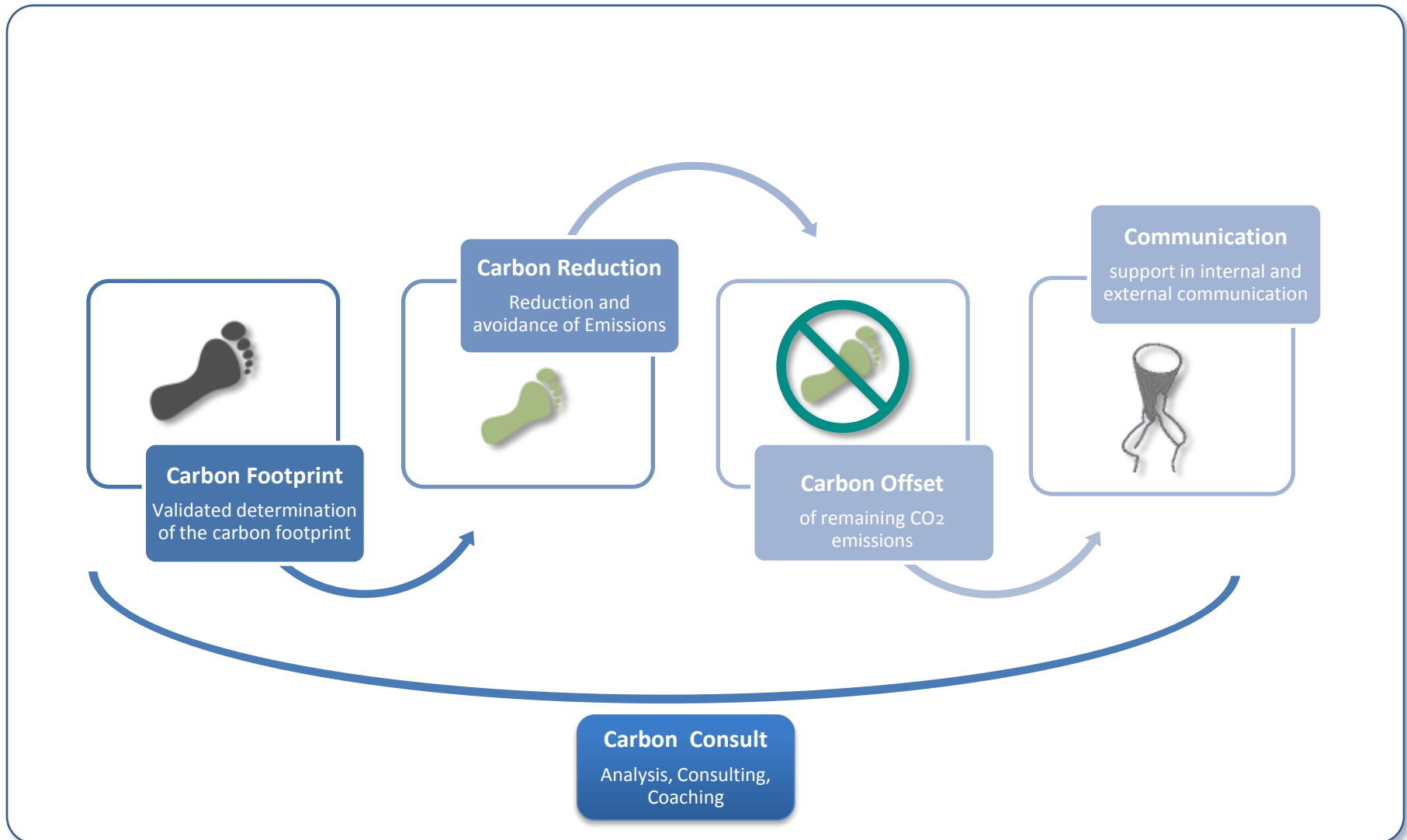
GreenCO₂ncert



GreenBusiness



CO₂OL Carbon Management Services



Carbon Footprint

- ✓ CO₂OL builds and operates individual CO₂ calculators for an easy and comfortable carbon footprinting



CO₂ calculator for events

GCB
Meetings made in Germany

CO₂ calculator for events

Angaben zum Event

Soll ein bereits zuvor berechnetes Event als Datenbasis herangezogen werden? ☐ Ja ☐ Nein

Titel der Veranstaltung: COOL Event

Anzahl der Teilnehmer: 120

Beginn der Veranstaltung: 01.01.2010

Dauer der Veranstaltung: 1 Tage

Ort der Veranstaltung:

Banner-Eventrate: Empfind 20
1.3118 PLZ
Bonn Stadt
Deutschland Land

Ansprechpartner (für Rückfragen zur Organisation):

Wohnort: Name
C/o: Vorname
Str. wohnort: E-Mail
02294437780 Telefon
015115512206 Mobiltelefon
COOL Firma

Löschen der Felder im Event

Features:

- ✓ Browser based
- ✓ Permanent update of core values from scientific sources
- ✓ Login-Function
- ✓ Database based
- ✓ Saving and alteration of calculation possible
- ✓ USP: Output via interface to integrate results in customized reports

CO₂ reduction

✓ E.g. mobility: CO₂OL GreenMobility platform



Features of the CO₂OL GreenMobility platform

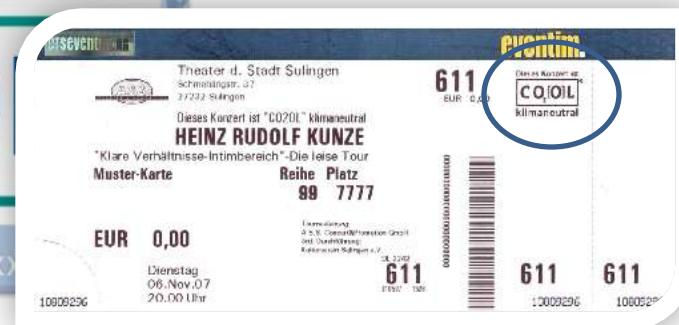
- ✓ Online based platform including links
- ✓ Integrated depiction of all arrival and departure possibilities
- ✓ Connecting ride-sharing opportunities
- ✓ Reduction of individual traffic through arranged ride shares
- ✓ Depiction of carbon emissions per ride
- ✓ Online calculation of CO₂ emissions and voluntary CO₂ neutralisation
- ✓ Significant reduction of CO₂ emissions

For reference, see: <http://eishockeywm.co2ol.de>



Communication

✓ Online, Print, PR, Tickets, Product label,...



Carbon Offset

✓ Our CO₂OL approach: carbon sequestration projects of outstanding quality.

- ✓ Crediting Carbon Standard
- ✓ Biodiversity and ecological benefits
- ✓ Positive social impact and welfare



reliable

10 years of experience
High quality carbon standards and registry like FSC and:



ecological

Native species mixed forests, biodiversity, waterprotection, habitat



social

permanent jobs, micro-credits, education and further training



Carbon Offset

CO₂OL Tropical Mix Reforestation, Panama

Type: VER_{FUTURE}

CO₂ registry: Markit

Standards: CarbonFix Standard pre-validated

FSC-certified (Forest Stewardship Council)

CCB Standard – validation expected 06/2010

Volume: ca. 25.000 VERs in 06/2010, annual +20.000

Description: Reforestation of degraded pastureland with a mixture of native tree species plus Teak (max. 40%)

<http://www.youtube.com/watch?v=aEawNKUYUP8>

Additional ecological benefits: biodiversity,

Water protection, habitat for endemic species

Additional social benefits: longterm employment for local Community, knowledge transfer, improved living conditions



More information:

<http://www.carbonfix.info/Project.html>

<http://www.climate-standards.org/projects/index.html>

Carbon Offset

Biodiversity Reforestation Vietnam

Type: VER_{FUTURE}

CO₂ registry: Markit

Standards: CarbonFix Standard

Status: Undergoing Pre-Validation

Total estimated area: 1.250 hectare

Time duration: 50 years

Description: Reforestation of degraded pastureland with at least 5 different native tree species

Additional ecological benefits: biodiversity, soil protection, habitat for endemic species

Additional social benefits: longterm employment for local community, knowledge transfer, improved living conditions



For more information:

<http://www.carbonfix.info/Project.html>

Location of CO₂ Reforestation Area



Bản đồ Tỉnh Kontum 2006. TP: 17 x 24.5 cm (04 màu). In tại Xn In Thống Kê Tp.HCM. 10.04.2006

Rationale for carbon sequestration based reforestation cooperation

- ✓ To reduce GHG and protect the environment the countries in the world in general and Vietnam in particular are making their best contribution to carbon sequestration based reforestation.
- ✓ Kontum province is having its trend to close its natural forests, to encourage all economic components for cooperation and joint venture in forest plantation.
- ✓ Thanks to the active support from GTZ and MARD in assisting Kontum province's linkage between Đắk Tô Company and ForestFinance Service GmbH Germany under PPP model.

Cooperation Principle

- ✓ Directorate of Forestry and GTZ actively involved in the approach and linkage of PPP model between Đắk Tô Company in Kontum province and ForestFinance Service GmbH Germany



Objective, scale, operational funding and interests of PPP

- ✓ **Objective:** Reforestation aims to maintain and recover the basic function of forests with high biology as well as fulfillment of carbon sequestration.
- ✓ **Cooperation agreement:** ForestFinance Service Gmbh Germany covers the entire expenses for this reforestation, care and management of forested area. Kontum province is responsible for allocation of reforested area within 50 year.
- ✓ **Participating partners:**
 - Representative of Kontum province: DARD Kontum, PMBs of protected forest
 - Representative of ForestFinance Service Gmbh Germany.
- ✓ **Interests of all sides:** In the Agreement ForestFinance Service Gmbh Germany has no land interest or ownership but only right to be entitled to carbon credits. Kontum province is piloted to receive fund for reforestation, forest care, management and protection and will be handed over these forested areas upon the term completion.

Objective, scale, operational funding and interests of PPP

Estimated impacts:

- ✓ **Economic:** development of diverse species reforested areas towards the natural forests for the purpose of carbon sequestration.
- ✓ **Social:** creation of more jobs, income increase and living condition improvement for the local communities living nearby the forest, especially the ethnic minorities, through the reforestation activities.
- ✓ **Environmental:** maximize the forest function, land protection, water resource protection, land erosion limit, ecological protection, endangered species and wildlife gene conservation.



Activities of PPP

Preparation of seedlings: Native species suitable for the height of over 1000m

- ✓ Pine
- ✓ Betula alnoides (Birch)
- ✓ Cây Vôi thuộc (Chò xót) (Schima)
- ✓ Oaks & Chestnuts
- ✓ Du sam, Thông tre, Kim giao (coniferous species)



Nursery garden of native species in Kontum

Activities of PPP

Source of native species seedlings:

- ✓ Taken from primary or secondary natural forests
- ✓ Taken from trees planted in parks or streets
- ✓ Seeds and seedlings bought from outside Kontum



Advantages and challenges PPP

Advantages:

- ✓ Pioneering PPP model on carbon sequestration based reforestation adequately given attention and supervision by the GOVT, central agencies and Kontum province
- ✓ Land available for reforestation in terms of both area and required standards
- ✓ Native species for reforestation are diverse with fast growth to ensure the requirements on biodiversity and sustainable development
- ✓ Local labor force available
- ✓ Support from international expert CIM (GTZ)
- ✓ ForestFinance Service GmbH Germany makes sure of forest management plan and output market

Advantages and challenges PPP

Challenges:

- ✓ Knowledge and experiences on carbon sequestration based reforestation is highly limited, particularly in the field of management, monitoring and evaluation on socio-economic and environmental impact
- ✓ Risk insurance not yet available (fire, pests . . .) and possibility of force majeure
- ✓ Plenty of areas for reforestation, but majority allocated in scattered lots, in the remote zone with high slope and difficult travel, mainly in the height of over 800 m
- ✓ Views of communities and local authorities need attention, as they are not yet familiar with the type of cooperation for carbon sequestration based reforestation.

Coming plan

- ✓ Continue to reforest for Carbon sequestration from 2011 to 2015, at the minimum of annual 200ha
- ✓ Expand forest plantation cooperation with private enterprises and communities in Kontum province when they have sufficient conditions to participate in reforestation
- ✓ After 3 years' implementation Kontum DARD will review and report to PPC Kontum, MARD, GOVT. and related agencies

Thank you very much for your attention



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