

Vanuatu Carbon Credits Project

Phase 2 Roadmap Workshop, 11-13 February, 2008

Workshop Report

Report prepared by
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Workshop funded by the New Zealand Ministry for the Environment

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Background and Proposal for Workshop

The Vanuatu Carbon Credits Project (VCCP) was initiated by Dr Sean Weaver of Victoria University of Wellington following a request in May 2006 by the UNFCCC SBSTA Chair and negotiating Parties for pilot projects to inform intergovernmental policy development on Reducing Emissions from Deforestation in Developing Countries.

Meetings were held in Vanuatu during the third quarter of 2006 with the National Advisory Committee on Climate Change, the Development Committee of Officials, and the Council of Ministers. The VCCP was then established in December 2006 with an endorsement decision by the Council of Ministers.

The purpose of this project is to:

- a. build capacity to assist Vanuatu to gain access to carbon and ecosystem services finance for climate change mitigation and sustainable development in the forest and energy sectors, and
- b. inform international policy development as a consequence of demonstration/pilot activities

The Vanuatu National Advisory Committee on Climate Change is the Governing Board for the Project and project owner.

The VCCP is divided into different Phases:

	Year	Objectives
Phase 1	2007	Project design, building initial stakeholder relationships, design project governance structures and operational procedures, capacity building (forest area change assessment), international policy
Phase 2	2008	Capacity building, refinement of project governance, refinement of international and domestic stakeholder partnerships, fund raising for Phase 3
Phase 3	2009	Demonstration / pilot projects

Project development funding received during 2007/8 for Phase 1 activities:

Source	Purpose	Funds (\$NZ)
Victoria University Research Grant	Project design	50,000
Victoria University in kind contribution	Project management	25,000
UK Govt Global Opportunities Fund	Forest area change assessment	210,000
UK Govt Global Opportunities Fund	Socio-economic Good Practice guidelines	15,000
NZ Royal Society & German Government ISAT funding	Capacity Building RS / GIS and research collaboration	40,000
NZ Ministry for the Environment	VCCP Phase 2 Road Map Workshop	42,360
Total		382,360

Phase 1 International Technical Advisory Team:

	Institution	Country	Role
Dr Sean Weaver	Victoria University of Wellington & Carbon Partnership Ltd	NZ	Fund raising, project design & coordination, international policy, Socio-economic GPG
Murray Ward	GtripleC Ltd	NZ	Project/programme Design and international policy
Robert O'Sullivan	Climate Focus Ltd	USA	Carbon finance, legal analysis
Dr Martin Herold	GOFC-GOLD	Germany	Remote sensing and deforestation analysis
Tim Hewitt	Sustaining Balance	NZ	Economic analysis (Biofuels)
Dr Ian Payton	Landcare Research (NZ)	NZ	Forest inventory planning
Dr Michael Gavin	Victoria University of Wellington	NZ	Socio-economic Good Practice Guidelines
Amanda Leathers	Victoria University of Wellington	NZ	Community development dimensions of pilot projects
Olivia Warrick	Victoria University of Wellington	NZ	Linkages between mitigation and adaptation
Erneus Kaijage	Victoria University of Wellington	NZ	Community Development
Sarah Brikke	Victoria University of Wellington	NZ	Community Development
Lydia Holt	Victoria University of Wellington	NZ	Vanuatu Legal Review

Phase 1 Outputs

Output	Status	Outstanding Tasks	Funding Required?
Project Design	Draft Complete	Write up in final report*	No
Forest Area Change Assessment	Complete (1990-2000)	2000-2006 assessment	Yes
International policy	On-going	2008 UNFCCC Policy	Yes
Legal Analysis	Draft complete	Write up in final report	No
Socio-economic Good Practice Guidelines (REDD)	Draft complete	Write up in final report	No

* Final Report due for completion by June 2008.

Phase 1 Reports

Reports
Herold, M., Sambale, J., Lindner, M., and Urban, M. 2007. Vanuatu Forest Change Assessment 1990-2000 using satellite data. Phase I Project Report No. 1. Vanuatu Carbon Credits Project. School of Geography, Environment and Earth Sciences, Victoria University of Wellington.
Weaver, S.A., Gavin, M., Warrick, O., Leathers, A. 2007. Socio-Economic Good Practice Guidance for Reducing Emissions from Deforestation in Developing Countries. Phase I Project Report No. 2. Vanuatu Carbon Credits Project. School of Geography, Environment and Earth Sciences, Victoria University of Wellington. DRAFT
Weaver, S.A. Hewitt, T. and O'Sullivan, R. 2007. Carbon Credits from Biofuels for Electricity Generation in Vanuatu. Phase I Project Report No. 3. Vanuatu Carbon Credits Project. School of Geography, Environment and Earth Sciences, Victoria University of Wellington.
Holt, L., O'Sullivan, and Weaver, S.A. 2007. Land and Forestry Law in Vanuatu: carbon rights and existing law. Phase I Project Report No. 4. Vanuatu Carbon Credits Project. School of Geography, Environment and Earth Sciences, Victoria University of Wellington. DRAFT
Herold, M., J. Sambale, M. Lindner, M. Urban & S. Weaver 2007. Satellite based monitoring of the national forest resources in the pacific island state of Vanuatu. Proceedings of the Tri-National Conference 2007 of the Swiss, Austrian and German Society for Photogrammetry and Remote Sensing, 19.-21.06.2007, Basel/ Switzerland, pp. 319-398

Herold M., Sambale J. Weaver S., Viranamangga, R., and Eckardt R. 2007. Preparing for REDD: a Satellite based Deforestation Assessment in the pacific Island state of Vanuatu, Presentation at Pacific GIS&RS Conference, December 2007, Suva, Fiji.
Weaver, S.A., O'Sullivan, B., Ward, M., Herold, M., and Napat, J. 2007. Vanuatu. Country Submission on Reducing Emissions from Deforestation in Developing Countries, Subsidiary Bodies for Technological and Scientific Advice, UNFCCC, February 2007.
Weaver, S.A. 2006. Is Reducing Deforestation an Impermanent Contribution to Emissions Reduction? Submission to SBSTA 24, Bonn, Germany, May 2006.

Several of these reports need to be finalised and some are intended for publication in journals. The reporting for Phase 1 is scheduled to be completed by June 2008, with a delivery of a full package of materials to the Vanuatu Government at this time.

More reports and a collection of Phase 1 documents will be presented to the Vanuatu National Advisory Committee on Climate Change (NACCC) in the form of a CD resource for each member. This document resource will be filed with the Vanuatu National Climate Change Database.

Phase 2 Roadmap

The next step is to develop a VCCP Phase 2 Roadmap by undertaking the following:

- a. Clarification of purpose of VCCP in relation to global and domestic climate change agenda
- b. Phase 1 Update Presentation and Capacity Building Workshop for the National Advisory Committee on Climate Change (NACCC)
- c. NACCC Round Table Meeting with international Technical Advisory Team
- d. Adoption of Phase 2 operational plan and governance structure
- e. Define Phase 2 Roadmap including pilot project activities
- f. Develop a Phase 2 Funding Strategy

This will require a gathering of key members of the Phase 1 and potential Phase 2 international Technical Advisory Team to both deliver a capacity building workshop and undertake stakeholder dialogue for the building of a Phase 2 Road Map and Phase 2 Funding Strategy.

Capacity Building Workshop and Road Map Round Table

Where: Melanesian Hotel, Port Vila
 When: 11-13 February 2008
 Who: NACCC, non-NACCC Vanuatu Government Officials, VCCP International Technical Advisory Team, invited NGO and Business representatives

Proposed Programme:

Day 1 Morning	Context: IPCC AR4 summary of WGI, II, & III; Background to carbon finance and sustainable development options
Day 1 Afternoon	Phase 1 Update Presentations, and Options for Phase 2
Day 2 Morning	Phase 2 Road Map Round Table Dialogue
Day 2 Afternoon	Dialogue and adoption of Phase 2 governance structure, work plan, and funding strategy
Day 3 Morning	Detailed technical training and meetings with key stakeholders outside the NACCC
Day 3 Afternoon	Reception for invited key local stakeholders, NACCC & international partners

Capacity Building Workshop and Phase 2 Round Table Dialogue Budget (NZ\$)

International Partners					
	Travel	Accom.*	Per Diem**	Fee***	Totals
Sean Weaver (New Zealand)	1,200	600	200	5,000	7,000
Murray Ward(New Zealand)	1,200	600	200	4,800	6,800
Martin Herold (Germany) ****				2,000	2,000
Mike Allen (New Zealand)	1,200	600	200	3,500	5,500
Tim Hewitt (New Zealand)	1,200	600	200	3,600	5,600
Sub Total					26,900
Venue and Meals					
NACCC participant fee	@ \$70/person/day for 30 participants for three days				6,300
Venue Hire	Melanesian Hotel 3 days including lunch and tea breaks for 30 people				4,660
Reception on final day	Suitable to invite dignitaries such as Ministers and DGs from relevant Ministries (60 people)				1,400
Travel Forestry Officer	Airfare & per diem				1,600
Information Package	Workshop papers for each participant				500
Contingency					1,000
Sub Total					15,460
TOTAL					42,360

* 4 days @ \$150 per day (based approximately on Melanesian Hotel rates)

** 4 days @ \$50 per day (for evening meals and local transport). Breakfast is provided at the hotel (Melanesian) and lunches will be budgeted for under workshop costs, leaving only evening meals and some local transport.

*** Weaver: 6.25 days @ \$800/day; Ward: 6 days @ \$800/day; Herold: 4 days @ \$500/day; Allen: 4 days @ \$875/day; Hewitt: 7 days @ \$515/day.

**** Travel costs (2,000 NZ\$) for M. Herold covered by German government funding

This workshop has been fully funded by the New Zealand Ministry for the Environment.

VCCP Roadmap Workshop Programme

Workshop Chaired by Russell Nari, (DG Lands, Energy, Mines and Rural Water Supply)

	<u>Day 1: Setting the Scene</u>
8.30-9.00	Introductions and Setting the Workshop Agenda Brian Phillips, Secretary NACCC
9.00-9.15	Opening Address: Deputy Prime Minister and Minister of Infrastructure & Public Utilities, Hon. Edward N. Natapei Tuta Fanua Ariki
	Vanuatu Carbon Credits Project in Context
9.15-10.00	IPCC Fourth Assessment Report Summary – Implications for Vanuatu Sean Weaver
10.00-10.30	Morning Tea
10.30-11.15	Introduction to International Finance and Opportunities for Vanuatu Murray Ward & Mike Allen
11.15-11.45	Origins and brief history of the Vanuatu Carbon Credits Project Sean Weaver
11.45-12.30	Designing Options in the Forest and Energy Sectors Murray Ward
	Vanuatu Carbon Credits Project Team Update
12.30-1.30	Lunch
	Vanuatu Government Priorities
1.30-2.00	Land and Energy Resources Russell Nari
2.00-2.30	Economic and Sector Planning Thomas Banga
2.30-3.00	Forestry Ioan Viji

3.00-3.30	Afternoon Tea
3.30-4.15	Building a Forest Monitoring Capability for Vanuatu Martin Herold
4.15-5.00	Biofuels for Electricity Generation Tim Hewitt
5.00-5.30	Roundtable Discussion for Clarification of Day 1 Presentations

	<u>Day 2: Designing the Roadmap</u>
8.30-8.45	Recap on Day 1 and Setting Day 2 Agenda Russell Nari & Brian Phillips
8.45-9.30	International Funding Options for Sustainable Energy Mike Allen
9.30-10.30	NGO and Business Perspectives Chair Russell Nari
10.30-11.00	Morning Tea
11.00-12.00	Round Table Dialogue to Identify Key Issues and Priorities for Phase 2 Chair Russell Nari
12.00-1.00	Lunch
1.00-1.30	Roadmap Goals and Objectives (destination and process) International Technical Advisory Team
	Breakout Group Session 1
1.30-3.00	Relationship Between Vanuatu Government and International VCCP Team (MOU, Operational Structure and Procedure, International Policy)
1.30-3.00	Forest Sector Priorities (REDD Policy Options, Forest Monitoring Capacity Building, Pilot Project Activity)

1.30-3.00	Energy Sector Priorities (Policy Options, Capacity Building, Pilot Project Activities)
3.00-3.30	Afternoon Tea
3.30-5.00	Report Back from Break Out Groups: Structural and Strategic, Forests, Energy

	<u>Day 3: Finalising the Roadmap</u>
8.30-10.00	Tabling of Proposed VCCP Phase 2 Roadmap arising from Breakout Groups; refining of final wording to be presented to the NACCC.
10.00-10.30	Morning Tea
10.30-12.30	NACCC meeting to make decisions on recommendations presented from the workshop
10.30-12.30	Technical training on forest monitoring for non-NACCC members
12.30-1.30	Lunch
1.30-2.30	NACCC report back on decisions and present VCCP Phase 2 Roadmap
2.30-3.00	Afternoon Tea
3.00-5.00	Closing Function

VCCP Roadmap Workshop Outcomes

The workshop proved very successful and achieved the goals set out in the proposal. The NACCC responded to recommendations from the workshop and adopted the following decisions:

Decision 1 of the 2nd 2008 session of the NACCC

- Designated National Authority for Vanuatu shall be the Chairman of the NACCC Mr Jotham Napat (UNFCCC Focal Point and Director of Meteorology)
- Alternative DNA shall be decided at a later stage by the NACCC once a Vice Chair is appointed

Decision 2 of the 2nd 2008 session of the NACCC

- The MOU is collectively endorsed by the NACCC pending legal opinion from the State Law Office

Decision 3 of the 2nd 2008 session of the NACCC

- Energy and Forestry priorities developed in the last 3 days of the workshop are endorsed as priorities that shall form the basis for submissions under the VCCP

Decision 4 of the 2nd 2008 session of the NACCC

- The VCCP international Technical Advisory Team is mandated to develop a REDD submission for approval by the NACCC and submission to the UNFCCC March 2008

Decision 5 of the 2nd 2008 session of the NACCC

- The technical advisory team is mandated to develop a proposal for NACCC endorsement & submission to the world bank forest carbon partnership facility

These decisions establish an operational mandate for Phase 2 of Vanuatu Carbon Credits Project, involving the implementation of a programme of targeted capacity building and pilot project activities as part of a national climate change mitigation programme for Vanuatu. Such a mitigation programme builds towards the vision of a carbon neutral nation (the roadmap destination), and establishes a clear set of priorities for this task. These efforts also compliment the work Vanuatu has already been doing in climate change adaptation.

A CD document resource was presented to the National Advisory Committee on Climate Change (NACCC). This resource contained all relevant documents, spreadsheets, and presentations generated by the international Technical Advisory Team during Phase 1 of the project. This included drafts of reports due for completion by June 2008.

The full remote sensing data set generated during Phase 1 was presented to the NACCC.

Two hard drives, a data memory stick, and a GPS unit was presented to the NACCC to assist with basic technical capacity building for the project.

Breakout Group Discussion Summary

Day 2 – VCCP Roadmap Workshop

Forest priorities	Carbon credits dimension / REDD issues and opportunities
<p>National forest inventory:</p> <ul style="list-style-type: none"> ➤ Some useful existing data and experiences ➤ Goal: full national inventory of forest resources 	<ul style="list-style-type: none"> • Capacity building • Improve REDD readiness with full carbon stock assessment • Include remote sensing area change for historical emissions estimates (Annex F1)
<p>Conservation activities:</p> <ul style="list-style-type: none"> ➤ Some existing, some to be initiated, some proposed ➤ Guidelines for monitoring and management 	<ul style="list-style-type: none"> • Carbon credits pilot projects on “avoiding deforestation”, • e.g. for high at risk/concession areas (pilot type 2) • e.g. Erromango Kauri/Sandalwood tree conservation area (pilot type 1) • Evolve national monitoring system • Inventory of existing and proposed of conservation areas
<p>Production forestry/plantations:</p> <ul style="list-style-type: none"> ➤ Focus on indigenous/local tree species ➤ Production of biofuels 	<ul style="list-style-type: none"> • CDM A/Reforestation projects to increase forestry/carbon sequestration/biofuel production capacities (pilot type 3) • Reuse invasive species plantations: Cordia Alliodora plantations / link to bioenergy (pilot type 4) • Monitoring/quantification of forest “sink” capacities
<p>Research on Agroforestry</p>	<ul style="list-style-type: none"> • Agroforestry unit and capacities with forestry department • CDM projects for sustainable land use (of degraded forest area)with link to energy production • i.e. Butmas case of Agro-silvopastoral project and potential link with avoiding deforestation (pilot type 5)
<p>Institutional capacity to engage in climate change issues</p>	<ul style="list-style-type: none"> • REDD national monitoring capacity • Capacity building, support and participate in national/international policy development • Multiple benefits of improved forest monitoring
<p>National forest policy to accommodate climate change issues</p>	<ul style="list-style-type: none"> • Vision of “Carbon Neutrality” and role for forest sector • Option for climate change mitigation masterplan for Vanuatu • Role of forests/forestry in nationwide land use planning

Energy Issues & Priorities	
Biodiesel	<ul style="list-style-type: none"> Establish technical viability of using coconut oil as biodiesel on a large scale (UNELCO is undertaking small scale demonstration). Clarify Government's vision for biodiesel Determine strategy for ensuring adequate supply of copra long term through collaboration with producers
Capacity building on carbon credits and opportunities	<ul style="list-style-type: none"> Provide training on underlying procedures to evaluate carbon potential and necessary steps to ensure maximum value is obtained from existing and future projects.
Evaluate carbon potential of pilot projects	<p><u>Rural Electrification Projects</u></p> <ul style="list-style-type: none"> Evaluate carbon finance potential for new projects (running on 100% coconut oil) such as: 1) Port Olry Electrification, 2) The four villages of MALAMPA, 3) Three villages of PEMAMA and 4) Two village of TORBA 5) Proposed projects identified in the Rural Electrification Master Plan <p><u>Urban Electrification Projects</u></p> <ul style="list-style-type: none"> Evaluate carbon finance potential for urban electrification projects such as 1) The 11 wind turbines to be installed by UNELCO by 2010 2) The stage 3 SARAKATA hydro project 3) Substitution of 14 000 000 litres of diesel with biodiesel of UNELCO consumption 4) The proposed wind site at Teouma 5) The proposed geothermal site at Takara North Efate.
Structural & Strategic	
MoU	<ul style="list-style-type: none"> Lawson to prepare MoU draft
DNA	<ul style="list-style-type: none"> Chair of the NACCC to be recommended as DNA
National Policy Development	
	<ul style="list-style-type: none"> Review / harmonize relevant policies

ANNEX F1: Vanuatu REDD Monitoring System Proposal

Outlined by Ioan Viji and Martin Herold, Port Vila, 1.Febr.2008

Overall monitoring objectives for phase 2:

- 1) Finalize and consolidate 1990-2000-2005 national gross deforestation assessment from satellite data (incl. accuracy assessment)
- 2) Build Vanuatu's capacities to take over satellite data processing and analysis (incl. associated field surveys)
- 3) Complete project-based and national carbon stock and emissions assessment based on UNFCCC/IPCC Good Practice Guidelines
- 4) Support national and international policy development including joint benefits with other development priorities and ecosystem services

Detailed work items for phase 2:

Objectives 1 and 2:

- Complete national 2000-2005 change and beyond:
 - Establish pilot areas for cooperative change assessment and field surveys, while full national monitoring completed by Uni Jena
 - Building Forestry Department capacities (interpretation training, hard/software, field surveying and assessment)
 - Sample areas to study degradation and associated emissions
 - Test cases overcome known remote sensing challenges (cloud cover)
 - Study historical deforestation processes & drivers
 - Accuracy assessment

Objective 3:

- Inventory of available/historical carbon stock data:
 - Ongoing national forest monitoring regularly done by Forestry Department
 - Inventories (date, focus)
 - Ecological monitoring plots (NPP, GPP)
 - Biomass plots
 - Project studies with field samples
- Thorough approach for REDD relevant carbon stock assessment:
 - Planning and implementation of a national/project-level forest carbon inventory
 - Build capacities for Vanuatu to conduct such surveys in the future
- Apply IPCC Good Practice Guidance for carbon emission estimations:
 - Start with suitable Tier-level and improve system over time

Objective 4:

- Link REDD policy development and national monitoring capabilities
- Support UNFCCC input and negotiations
- Build institutional capacities:
 - Climate change data infrastructure (data assimilation/dissemination)
 - Joint benefits with development priorities and ecosystem services and international reporting requirements (UNFCCC, FAO/FRA etc.)

ANNEX F2: Proposed Forest Sector Pilot Activities

Pilot activity	Some notable features
<p>Pilot 1: Forest conservation:</p> <ul style="list-style-type: none"> • Use carbon credits to establish conservation area to eliminate risk and potential future deforestation or degradation • Case: Erromango Kauri/Sandalwood tree conservation area (30.000 ha?) 	Potential REDD pilot activity
<p>Pilot 2: Carbon credits pilot project on REDD:</p> <ul style="list-style-type: none"> • Avoiding deforestation and degradation for high at-risk areas • e.g. for concession areas 	Potential REDD pilot activity
<p>Pilot 3: CDM A/Reforestation project:</p> <ul style="list-style-type: none"> • increase forestry/carbon sequestration and biofuel production capacities • Integrated forest/agroforestry of kava, coconut, whitewood, nangai, sandalwood plantation • Combined with biofuel production • i.e. maybe case on Santo or Pentecost or Malekula 	<p>Targets existing CDM (A/R), so near term implementation possibilities.</p> <p>Link between forests and energy (new coconut plantations)</p>
<p>Pilot 4: Conversion invasive species plantations (CDM A/R or Energy):</p> <ul style="list-style-type: none"> • Combined removal of invasive species and use for bioenergy (electricity generation and copra drying) and replacement with indigenous species plantation for carbon sequestration and biodiversity improvement • Cordia Alliodora plantations (80.000 m3) with potential pilot projects (Ipota, Lelepa, Malakula, Santo or Banks) 	<p>Targets existing CDM, so near term implementation possibilities.</p> <p>In the CDM this activity would be more cast as a bioenergy project, but in voluntary carbon market would focus also on biodiversity attributes and indigenous forest renewal</p>
<p>Pilot 5: Sustainable reuse of degraded forests:</p> <ul style="list-style-type: none"> • Agro-silvopastoral use to reduce forest degradation, remove vine, and establish sustainable agroforestry • Combination of reduced emissions and enhance sink capacity • Address Merremia infestated areas • i.e. Butmas case of project and potential link with avoiding deforestation 	<p>This an example of an integrated REDD and increased forest stocks (sequestration) project – so a potential “nested” activity in the sectoral crediting approach identified in Phase 1</p>

VCCP Roadmap Workshop Participant List

	Name	Institution	Email
1	Salesa Kaniala	Meteorological Department	skaniala@meteo.gov.vu
2	Seru Sinumila	Energy Unit	spsinu@gmail.com
3	Lawson Samuel	Foreign Affairs	lsamuel@vanuatu.gov.vu
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15	Sarah McCartney	VANREPA	
16	Nikunji Soni	VANREPA & PIPP	nsoni@pacificpolicy.org
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18	Rosette Kalmet	DEMWR	rkalmet@vanuatu.gov.vu
19	Mandy Fitchett	OxfamNZ	mandyfmail@gmail.com
20	Narelle Hallion	Environment Unit	narellehallion@yahoo.com
21	Sean Weaver	Carbon Partnership/ VUW	sean.weaver@carbon-partnership.com
22	Murray Ward	GtripleC	murray.ward@paradise.net.nz
23	Mike Allen	REEEP	mike.allen@reeep.org
24	Martin Herold	GOFC-GOLD	m.h@uni-jena.de
25	Tim Hewitt	Sustaining Balance	hewitttimo@student.vuw.ac.nz
26	Jean- Perquin	Victoria University	j_perquin@yahoo.fr
27	Nadine Schmid	Bayreuth Uni, Germany	nadine.schmid@uni-bayreuth.de
28	Joseph Tungon	Department of Forests	jotungon@yahoo.com
29	Brian Phillips	Meteorological Service	piccap@vanuatu.com.vu

VCCP Roadmap Workshop Photo Gallery



Opening Address:
Deputy Prime Minister
and Minister of
Infrastructure & Public
Utilities, Hon. Edward N.
Natapei Tuta Fanua Ariki




Morning Tea Day 1:
Deputy PM, Murray
Ward, Sean Weaver

Vanuatu Carbon Credits Project

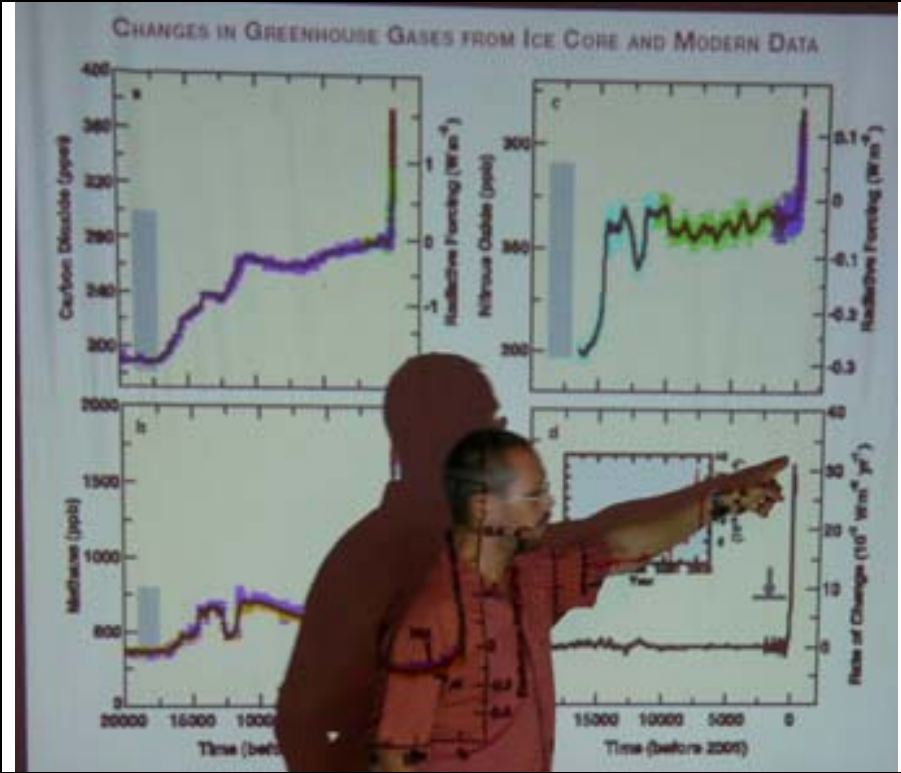
Phase 2 Roadmap Workshop
11-13 February 2008

The Scientific Basis for Action on Climate Change

Sean Weaver
Carbon Partnership Ltd &
Victoria University of Wellington



Sean Weaver, IPCC AR4
Summary



Sean Weaver, IPCC AR4
Summary



Murray Ward, Carbon Finance in Context



Mike Allen, Sustainable Energy Funding Opportunities



Russell Nari, (DG Lands, Energy, Mines and Rural Water Supply) receiving remote sensing data set and GPS equipment



Sponsor Screen (used in between presentations and during breaks)



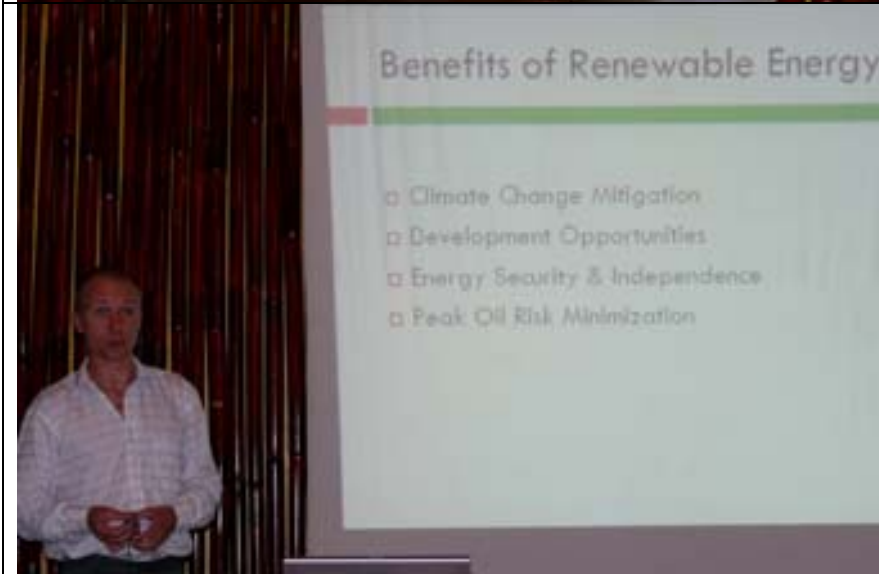
Russell Nari, presentation on the Rural Electrification Master Plan.



Presentation by Ioan Viji, Department of Forests.



Martin Herold, Forest Monitoring Capacity Building. Martin is here presenting a technical workshop to Forestry staff.



Tim Hewitt, Biofuels for grid connected electricity generation.



Closing with a handshake. Jotham Napat (Chairman, National Advisory Committee on Climate Change), and Sean Weaver.



Martin Herold, Brian Phillips, and Mike Allen at closing reception on Day 3.