



**Workshop on the Sustainable Management of Solar Photovoltaic Systems, Tonga:
12-16 October 2009**

DRAFT PROGRAMME

OBJECTIVE

The objective of the workshop is to promote the sustainable management of solar photovoltaic systems through learning from the experiences in the PREFACE and from other solar photovoltaic programmes in the region.

MONDAY 12th OCTOBER		
SESSION 1	REGISTRATION AND OPENING CEREMONY	
0830 - 0900	<i>Registration</i>	
0900 – 0915	<i>Opening Ceremony</i>	
	Welcome	SPREP - Solomone Fifita
	Prayer	Faifekau
	Introductory Remarks	Peter McGill, CEO, Tonga Power Ltd
	Opening Address	Ministry of Lands, Survey and Natural Resources
0915 – 0945	<i>Group Photo & Morning Tea</i>	
0945 – 0950	Introduction of participants Housekeeping	Solomone Fifita
SESSION 2	Setting the Scene	
0950 - 1000	Defining Sustainability in the context of rural electrification in the PICs, SIS Leaders' and the Forum Communiqué on RE & PICs RE targets	Solomone Fifita
1000 -1030	Tonga's 50% Renewable Energy Road Map	'Akau'ola
1030 - 1100	Tuvalu's 10 years Master Plan to achieve 100% RE	Mafalu Lotolua

1100-1130	The Energy for All initiative	Eva Oberender, REEEP
SESSION 3	The Basics of Solar PV	
1130 -1230	The components of a basic solar home systems - their functions, characteristics and design – a recollection	Nixon Kua (Solar Panels) Tokiteba Tawita (Batteries) Amit Sigh (Controllers, Assessories & system design)
<i>1230 – 1330</i>	<i>Lunch</i>	
SESSION 4	The Applications of Solar PV	
1330 - 1400	Water Pumping	Tiante Tarakia
1400-1430	Street Lighting	Tokiteba Tawita
1430-1500	Maritime Navigation Aids	To be confirmed
<i>1500 – 1530</i>	<i>Afternoon Tea</i>	
SESSION 5	Experiences with solar PV and Lessons Learnt	
1530 – 1615	The REP-5 stand alone PV projects	Katerina Syngellakis
1615 - 1700	The REP-5 experiences with grid-connected PV	Katerina Syngellakis
END OF DAY 1		

Tuesday 13th OCTOBER		
SESSION 5 Cont'd	Experiences with solar PV and Lessons Learnt	
0830 – 1000	<i>The Experiences with the PREFACE PV Projects:</i>	
<i>0830 - 0900</i>	Introduction	Solomone Fifita
0900 - 0930	Namdrik – RMI	Takrickin Robert
0930 - 1000	Torba Province – Vanuatu	Nemo Matai
<i>1000 -1030</i>	<i>Morning Tea</i>	
1030 - 1100	Ha'apai - Tonga	'Ofa Sefana
1130 -1200	Experiences with the Solar PV Component of the Sustainable Energy Financing Programme	'Ana Tuionuku Can't make it. To be changed!
1230 - 1300	Tuvalu's grid connected PV Project	Mafalu Lotolua
<i>1300 - 1400</i>	<i>Lunch</i>	
SESSION 6	Tools for the sustainable management of solar PV projects	
1300 – 1400	The RESCO Manager photovoltaic project management software	Marc Torra Griso, Jordi Llonch & Tokiteba Tawita
1430 - 1500	Practical exercises of the economic analysis of solar photovoltaic projects	Marc Torra Griso
1500 - 1700	Field Trip: Solar water pumping project at Lakepa and Solar street light project at Nakolo	

END OF DAY 2

WEDNESDAY 14th OCTOBER		
0830 – 0900	Solar PV at schools and health centres in the Solomon Is	Nixon Kua
0900 - 0930	Experiences with solar PV – A private sector perspective	Amit Sigh
0900 - 0930	Experiences with solar PV – A private sector perspective	Fred Conning
0930 - 1000	Experiences with solar PV – A NGO perspective	David Stein Can't make it. To be changed!
1000 -1030	<i>Morning Tea</i>	
1030 - 1100	The Kiribati Solar Energy Company Experience	Tokiteba Tawita
1100 - 1130	Fiji's Solar Electrification Programme	Tevita Manamana
1130 -1200	The renewed Tuvalu Solar Electrification Programme	Timaio Auenga
1200 - 1330	Solar PV plans of a power utility	Wairarapa Young
1230 – 1330	<i>Lunch</i>	
	Travel to Ha'apai	
END OF DAY 3		

THURSDAY 15th OCTOBER		
SESSION 7	A Comparative examination of a solar PV project and a diesel generator project – in an outer island context	
0830 – 1230	Visit the Mo'unga'one IUCN Rehabilitated PV Project	All participants
1230 – 1330	<i>Lunch</i>	
1330 – 1500	Visit the Ha'ano diesel generation project	All participants
END OF DAY 4		

FRIDAY 16th OCTOBER		
SESSION 8	Discussions and drawing conclusions on Best Practices for sustainable solar PV programmes	
0830 – 0900	Visit the Hihifo Solar water pumping project and the Tonga Power generation house	All participants
0900 - 1000	Examination of the Ha'apai Electricity	All participants

	Office, its operations and guidelines	
1000 - 1200	Discussions and drawing conclusions from the lessons learnt during the week	All participants
<i>1230 – 1330</i>	<i>Lunch and Workshop Conclusion</i>	
1330-1500	Depart Ha'apai for Nuku'alofa	All participants
	Free time for shopping etc	
END OF DAY 5 AND END OF WORKSHOP		