



Empowering Communities

in Micronesia



Association of Pacific Island Legislators 32nd General Assembly

Renewable Energy & Health Insurance for our Pacific Communities



Outline of Presentation

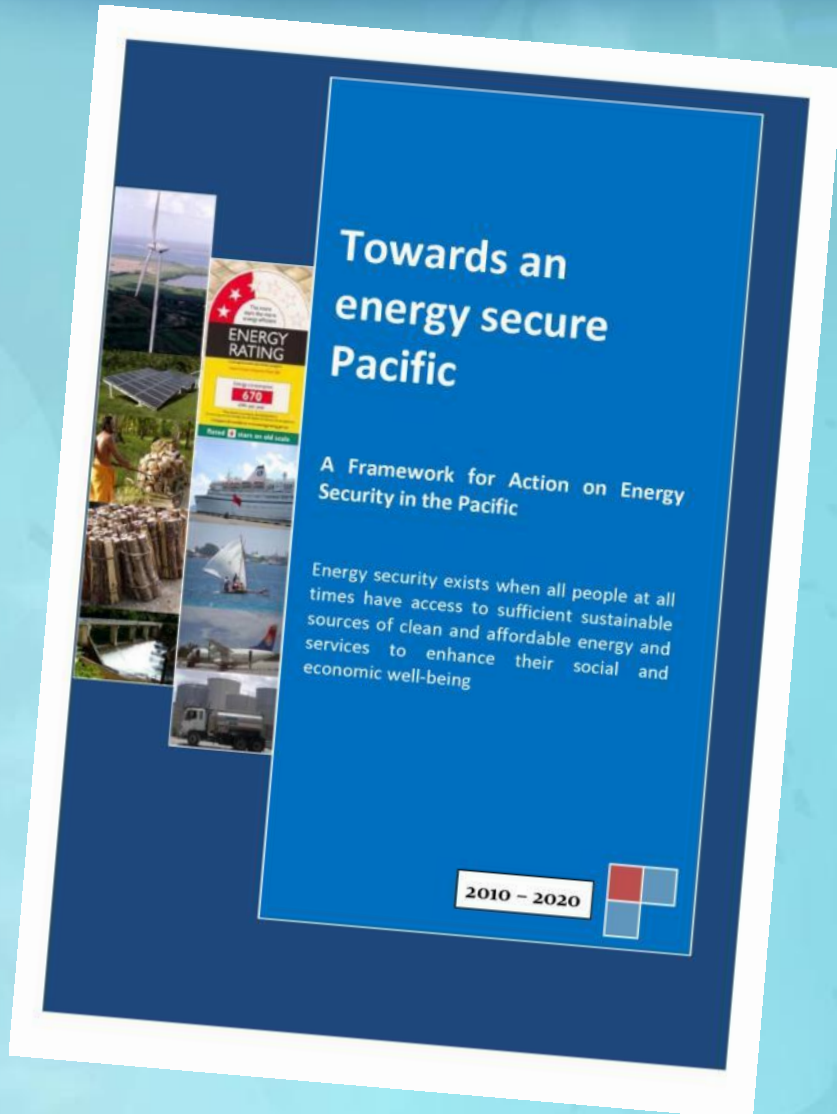
- **Energy in the Pacific – FAESP, an energy secure Pacific**
- **Why renewable energy? Is it a reaction to oil prices? [policies, alternatives, etc]**
- **Initiatives in Micronesia**
- **Empowering communities**
- **How can such a forum assist?**



**Secretariat of the Pacific
Community (SPC)**

www.spc.int

towards an energy secure Pacific



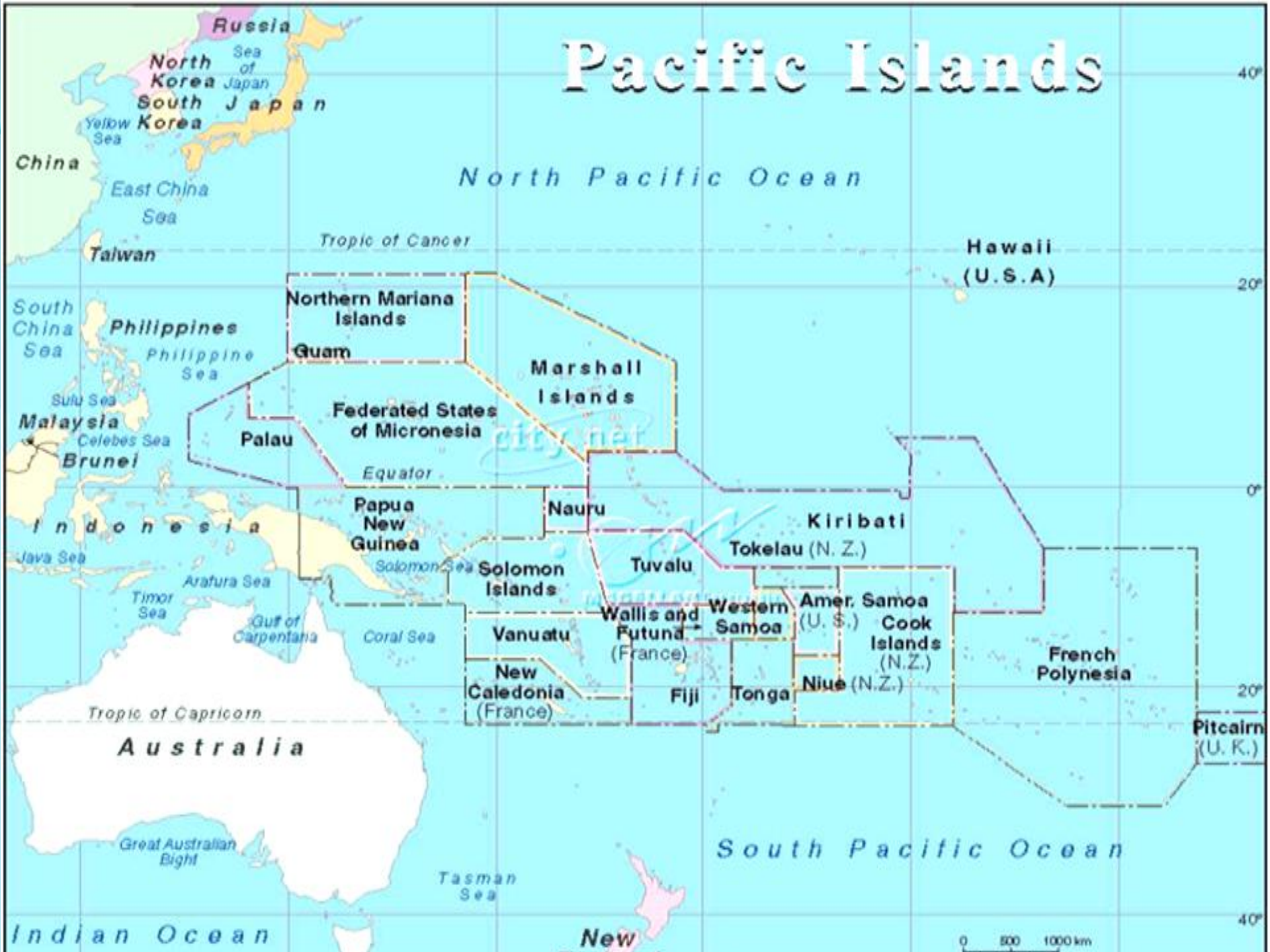
..... when all people at all times have access to sufficient sustainable sources of clean and affordable energy and services to enhance their social and economic well-being



Many Partners One Team

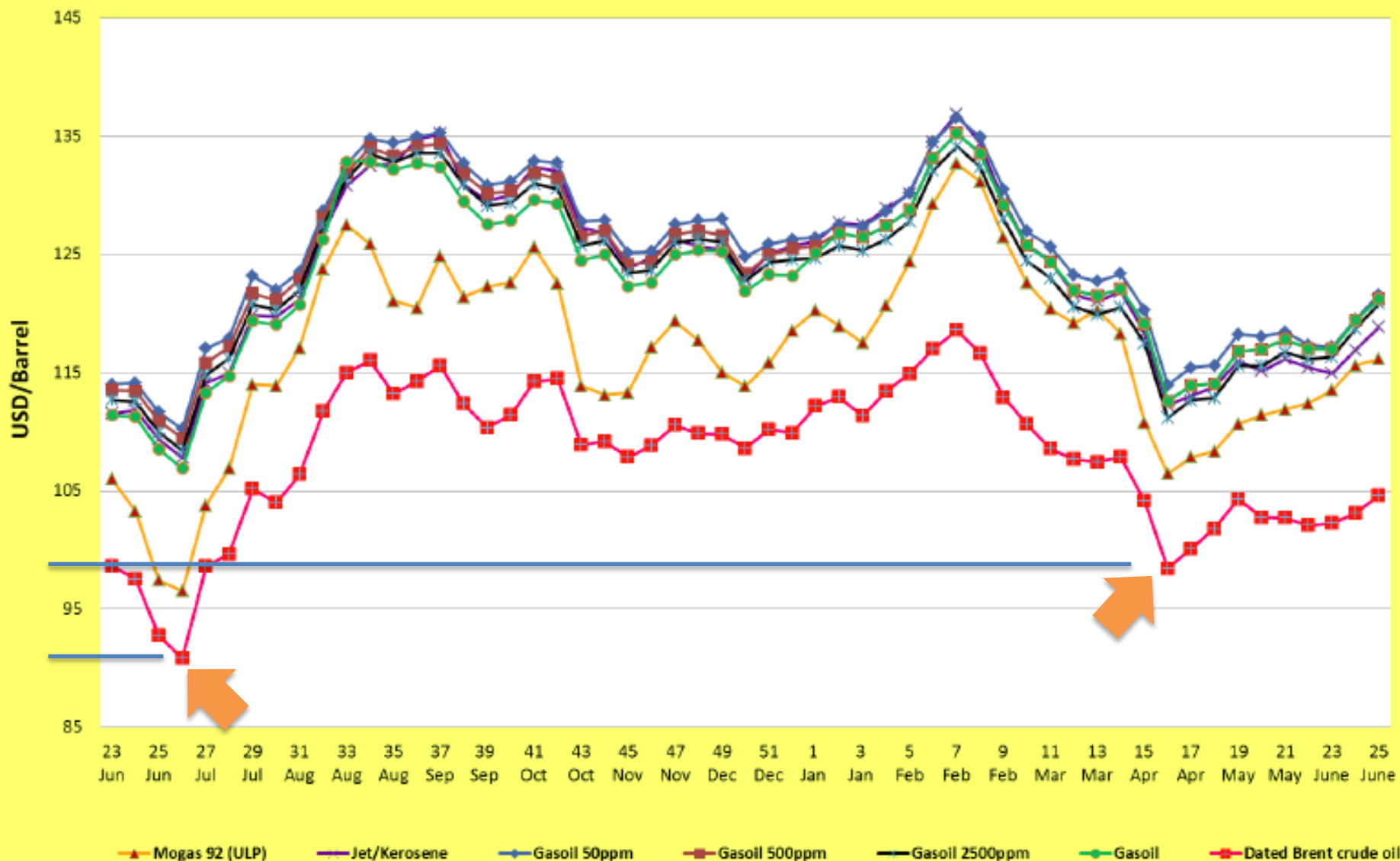


Pacific Islands





Mean of Platts Singapore petroleum product prices



Framework for Action on Energy Security in the Pacific



VISION

An energy secure Pacific

GOALS

Secured supply, efficient production and use of energy for sustainable development

OUTCOME

- i. Access to clean and affordable energy
- ii. Optimal and productive use of energy

THEMES

- Theme 1: Leadership, governance, coordination and partnerships
- Theme 2: Capacity development, planning, policy and regulatory frameworks
- Theme 3: Energy production and supply
- Theme 4: Energy conversion
- Theme 5: End-use energy consumption
- Theme 6: Energy data and information
- Theme 7: Financing, monitoring and evaluation

Energy security exists when all people at all times have access to sufficient sustainable sources of clean and affordable energy and services to enhance their social and economic well-being

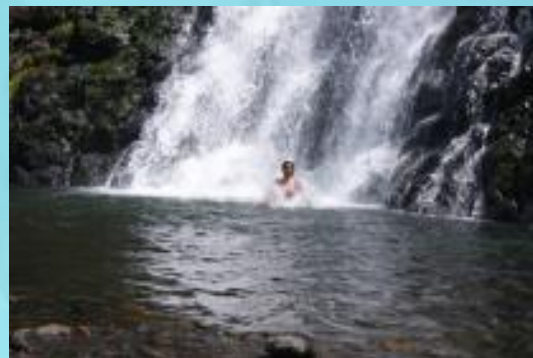


Current Status

- National energy policies – reduce dependency on fossil fuels through energy efficiency and renewable energy
- RE & EE targets
- Increase access to people
- Energy security



Renewable energy to improve the quality of life and reduce dependency on fossil fuels

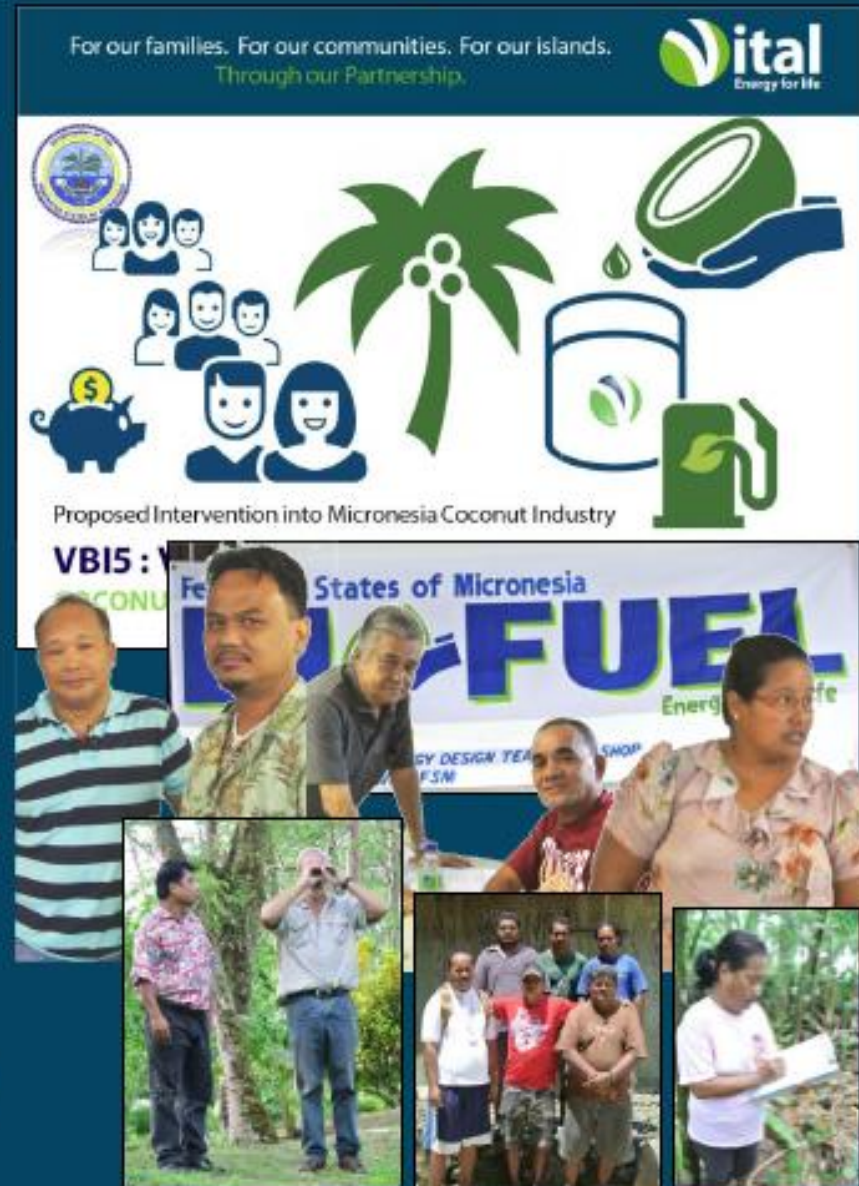


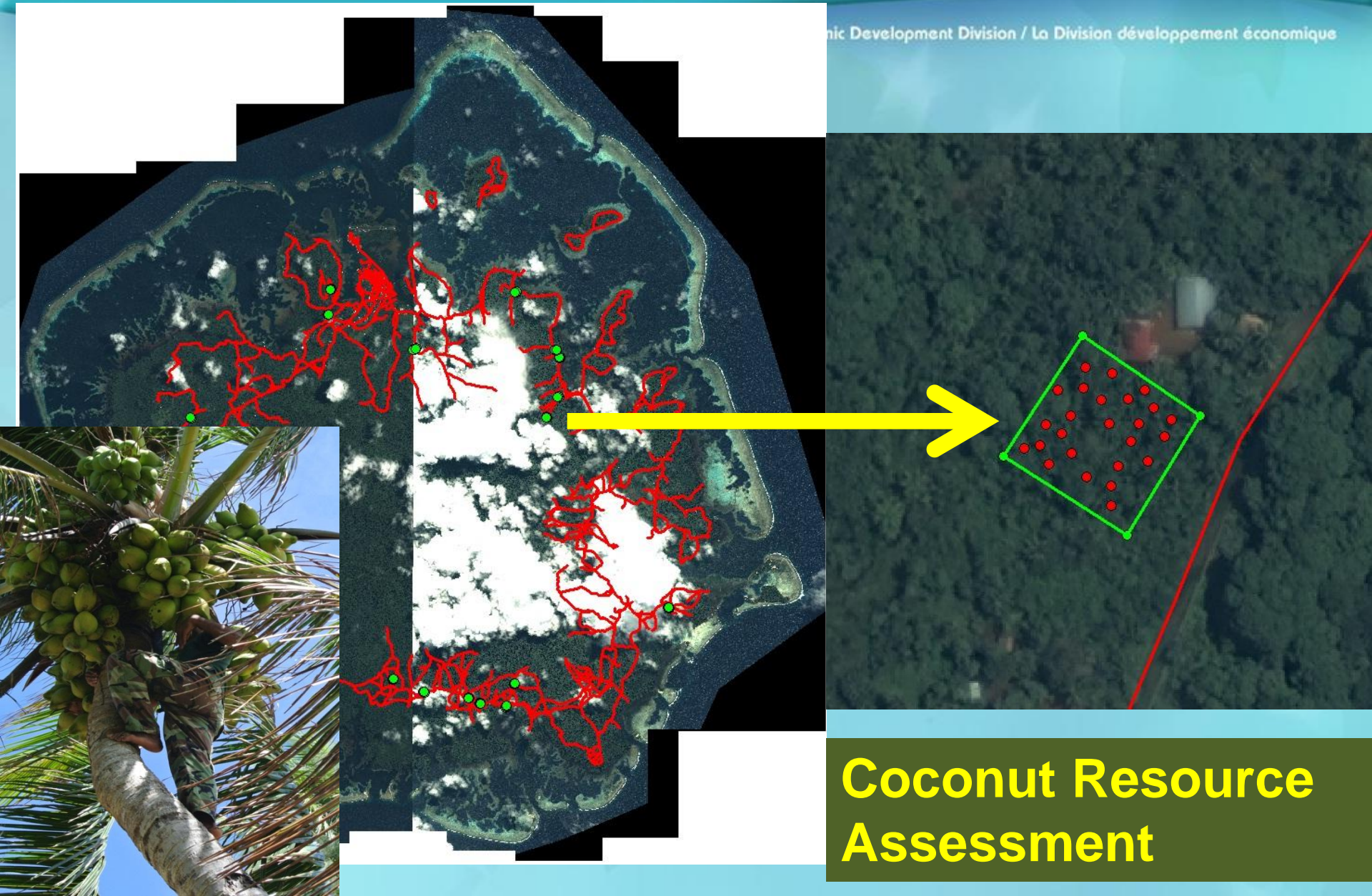


**Some initiatives /programmes
/projects in Micronesia**

Vital Biofuel Initiative (VBI)

- **January 2013:** Vital implements the Vital Biofuel Initiative. A concept note is developed and a *Focused Results Delivery* process to develop the strategy is put in place.
- **February 2013:** FSM NatGov, CDA and Vital coordinate a first stakeholders workshop to highlight the need for coconut sector reform in FSM. 70 participants from government, civil society and private sector involved.
- **March 2013:** Vital partners with SPC NorthREP to begin Coconut Resource Assessment(CRA) in FSM. GIS mapping and field work begins and Coconut Assessment Units (CAUs) are established and trained in Pohnpei and Yap.
- **April 2013:** Value Chain analysis begun with assistance from State Coconut Strategy Teams. Sector business case development in process.
- **May-June 2013:** Vital and SPC engage Coconut Specialist to upgrade CRA methodology and establish and train Chuuk and Kosrae CAUs, with nurseries.





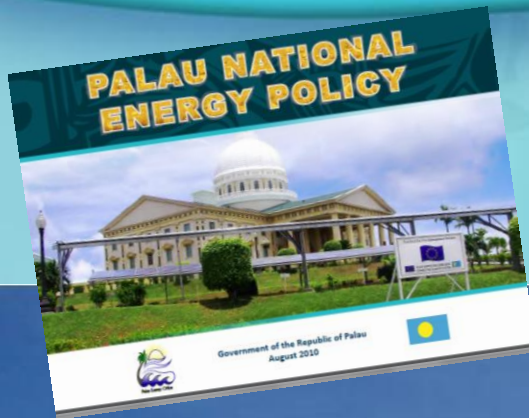
**Coconut Resource
Assessment**

Vital to build and operate 100 kW solar array on Guam

Another regional energy milestone was reached in October with an agreement between Vital Energy Inc. and the Guam Power Authority (GPA) that will allow Vital to build and operate a 100 kW solar array at the GPA Bulk Fuel Facility on the island.



Grid connected solar PV systems





Solar lanterns – outer islands in FSM

First time access to at least 7,000 people

Economic Development Division / La Division développement économique







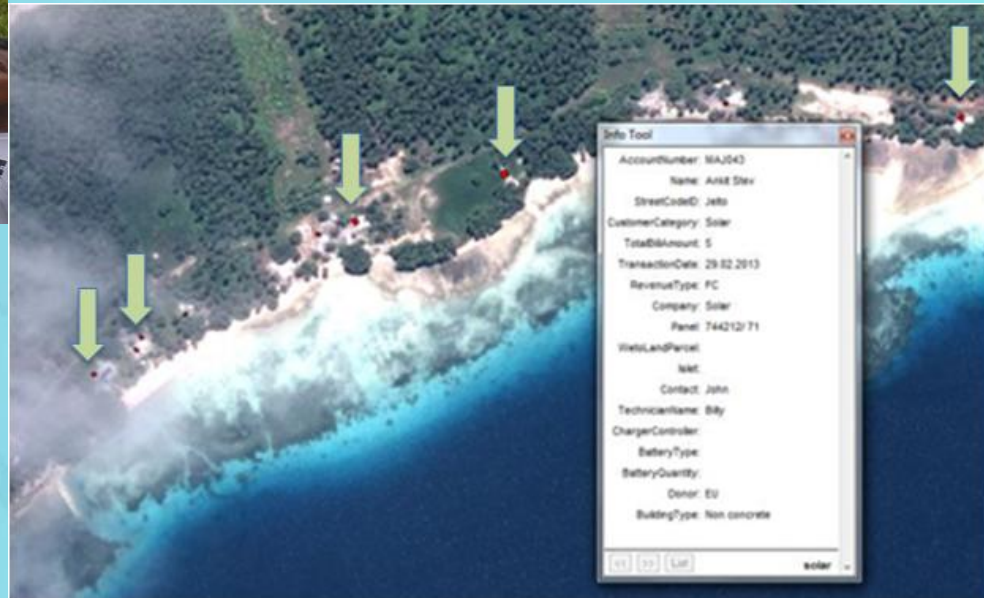

 SPC
 Secretariat
 of the Pacific
 Community

NORTHREP
 North Pacific ACP Renewable Energy
 and Energy Efficiency Project

Increasing access to basic electricity in the RMI

Economic Development Division / La Division développement économique

6,000 people to access basic electricity for the first time – brings the electrification rate to almost 100%



EE retrofitting loans programme – NDBP

Economic Development Division / La Division développement économique

Before retrofitting



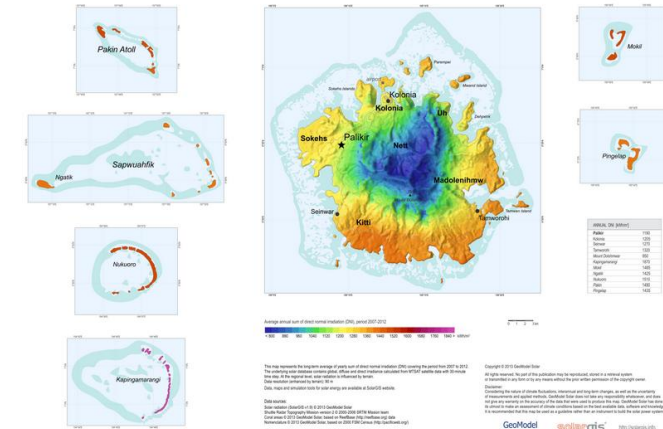
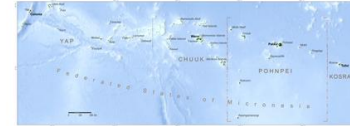
After retrofitting





POHNPEI STATE
FEDERATED STATES OF MICRONESIA
Direct Normal Irradiation

NORTHREP
North Pacific ACP Renewable Energy and Energy Efficiency Project



**Wind & solar resource
assessment**



renewable energy as a means to empower communities in Micronesian islands



Lighting

SECRETARIAT OF THE PACIFIC COMMUNITY
SECRÉTARIAT GÉNÉRAL DE LA COMMUNAUTÉ DU PACIFIQUE



Economic Development Division / La Division développement économique





Technical skills, employment,





Income generation





Communications



Targets, incentives,

Economic Development Division / Division Développement Économique

Country	RE Target	RE Policy	Fiscal incentives
FSM	30% by 2020	Electricity Act amended in 2012 for RE uses, net metering policy	Exemption on duty tax on governments' projects while private companies pay 25%
Kiribati	Reduce fuel imports by 25% in 2025	No	Exemption on duty tax on governments' projects while private companies pay 10%
Nauru	50% in 2015	No	Exemption on duty tax on governments' projects
Palau	20% by 2020	Net metering act exists, no feed in tariffs or power purchase agreements	No duty tax exemption, donor funded projects are exempted
RMI	20% by 2020	No	Duty tax exemption on RE products import



OPPORTUNITIES

- Fiscal incentives
- Investments
- Financing (not to rely on donors only)





Summary

- Driving factors
- Need a conducive environment
- Tailored approaches
- Local ownership
- Address local needs
- Policy makers have a crucial role





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North Pacific ACP Renewable Energy and
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Economic Development Division



SPC
Secretariat
of the Pacific
Community

Thank You



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SPC – Secretariat of the Pacific Community

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