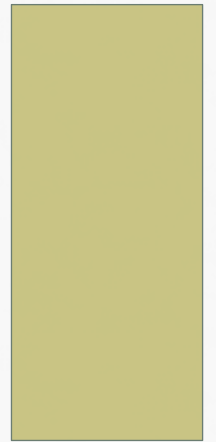


APEC Concept Note

APEC PV SYSTEMS DATABASE IN SOUTH-EAST-ASIA



RATIONAL

- APEC member countries in South-East-Asia (SEA) has land mass about 4.46 million km² with about 600 million people
 - It is estimated that at least 130 million people do not have access to electricity (ACE, 2014).
 - The state of electrification in SEA ranges from 24% to 100% (ACE, 2013).
- One activity to improve this is via rural electrification programme (REP), most of which use renewable energy (REN) technology.
- There are plenty of grid connected and on grid PV system and no-one knows for sure the status of these systems.
- So where are they heading?

OBJECTIVE

- To do profiling of PV system status in selected off-grid and grid connected PV systems (hybrid/microgrid)
- To compile, collate, analyse, report and disseminate the findings.
- To create a new pool of knowledge for the region

METHODOLOGY

Work plan; timeline; output	Beneficiaries	Evaluation; activities	Linkages; commune
<ul style="list-style-type: none"> - Setting-up - Month 1-3 - Project team formed 	Project benefits directly	<ul style="list-style-type: none"> - Project team comprising members & expert formed - Women as member of Project team 	Website announcement
<ul style="list-style-type: none"> - Ground-work, preparation & planning - Month 4-9 - Implementation strategy formulated 	Stakeholders: <ul style="list-style-type: none"> - APEC - Government - PV industry - Manufacturer and suppliers - Associations 	<ul style="list-style-type: none"> - Distribution of project information - Workshop to decide on key matters 	<ul style="list-style-type: none"> - Formal invitation - Meeting (local, international, APEC & Non-APEC) - Seminar & workshop (local, international, APEC & Non-APEC)
<ul style="list-style-type: none"> - Pilot work - Month 10-12 - Results from pilot work established 	Project and Project team	<ul style="list-style-type: none"> - Technical findings - Lessons learnt - Revise plan - Improve strategy - Reporting and publication in website 	<ul style="list-style-type: none"> - Meeting (local, international, APEC & Non-APEC) - Seminar & workshop (local, international, APEC & Non-APEC)
<ul style="list-style-type: none"> - Full implementation - Month 13-20 - Full results from entire project completed 	Project and Project team	<ul style="list-style-type: none"> - Perform field work for all systems until finish - Process data and analyses results - Continuous monitoring of project - Reporting and publication in website 	<ul style="list-style-type: none"> - Meeting (local, international, APEC & Non-APEC) - Seminar & workshop (local, international, APEC & Non-APEC)
<ul style="list-style-type: none"> - Ending & closing - Month 21-24 - Completion and submission of final report 	Stakeholders: <ul style="list-style-type: none"> - APEC - Government - PV industry - Manufacturer and suppliers - Associations 	<ul style="list-style-type: none"> - Dissemination of project findings at local and international levels - Interactive sessions with stakeholders - Final report submitted and project ends 	<ul style="list-style-type: none"> - Meeting (local, international, APEC & Non-APEC) - Seminar & workshop (local, international, APEC & Non-APEC)

OUTCOME

- Reporting and publication in APEC website
 - Technical findings
 - Lessons learnt
 - Revise plan/Improve strategy
- Forum organization for dissemination of project findings for the APEC Economies
 - Interactive sessions with stakeholders
- Final report submitted