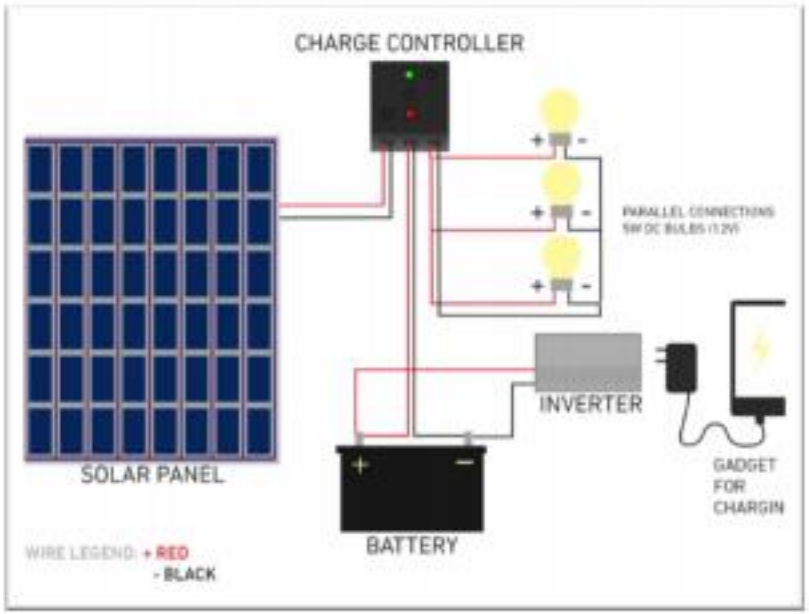
Collaborative Model for Community Based RE syste

Presented by Dann Diez, SEED4COM

Class1: Summary



50watts Solar PV was able to:

- » light up 3 households;
- » charge 5 mobile phones; and
- » run an electric fan for 8 hours a day.

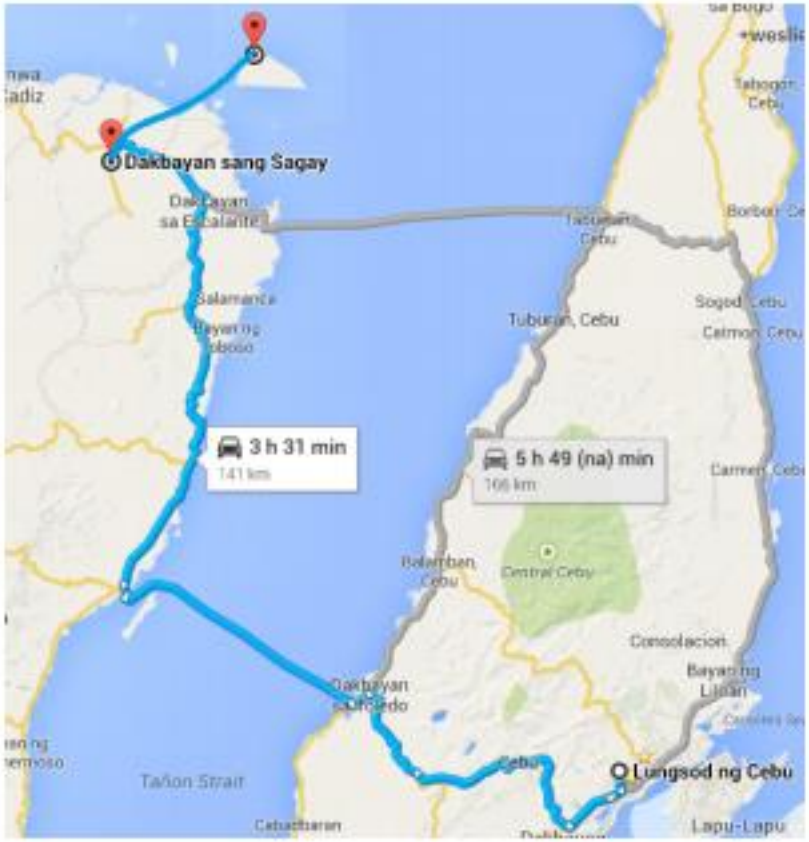
PROJECT EnKindle

BENEFICIARY: Lipayran Island, Cebu

Olandag Family

PROJECT EnKindle

BENEFICIARY: Sagay City, Negros Occidental



Matabas Island: Matabas Elementary School

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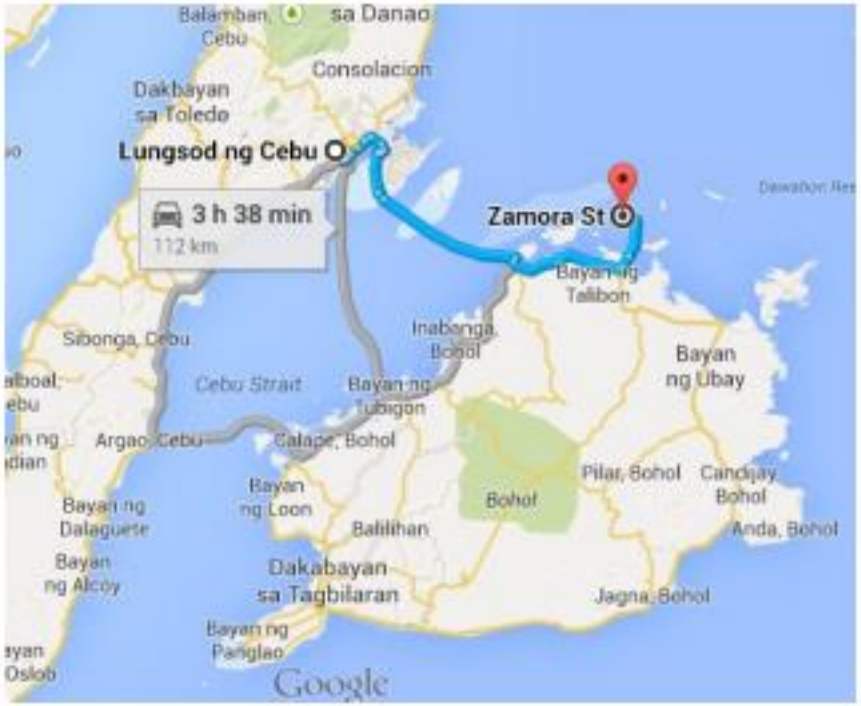
BENEFICIARY: Bohol



Bansan Island: Auxtero Family

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Class2: Summary

Class2 has different designs. One of it is the **Hybrid Solar + Wind Renewable Energy** which is typically sized from 300W to 10kW.

A city household with 2 units of 1.5HP Aircons, a Fridge, a washing machine, lights and a small number of appliances (e.g. iron, fans, TV, computer, cellular phones) can be empowered by a 3kW like Off-grid **3KWp Solar PV Power System.**

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Malapascua Island, Cebu: Logon Elementary School

March 11-14,2014

Now the class has started, the system was used by the classrooms. Per classroom has the consumable to use **1 electric fan (60 watts) for 4 hours/day** in which 3 out of 6 classrooms has already electric fan and the rest were still under reconnection by a technician. Since most of the teachers did not used the system for lightings during day time, they were able to save the energy to be used during night time.

PROJECT EnKindle

September 2014

Class 1 RE Systems	72
Class 2 RE Systems	3

162 HOUSEHOLDS
5 SCHOOLS
9 Community Center

5,324 INDIVIDUALS
(1,847 Students)

OUR FIGURES Project EnKindle

PHASE 1 ACCOMPLISHMENT REPORT (As of Oct 2014)

DEPLOYMENT SUMMARY

Deployment Sites	Class 1 RE Systems (50W Solar-Lighting & Charging)	Class 2 RE Systems		Class 3 RE Systems
		600W Solar+Wind	3kW Solar	
Leyte	37	1	1	0
Cebu	22	1	0	0
Eastern Samar	3	0	0	0
Negros Occidental	4	0	0	0
Bohol	6	0	0	0
Total Systems	72	3		0

PLANNED VERSUS ACTUAL RESULTS

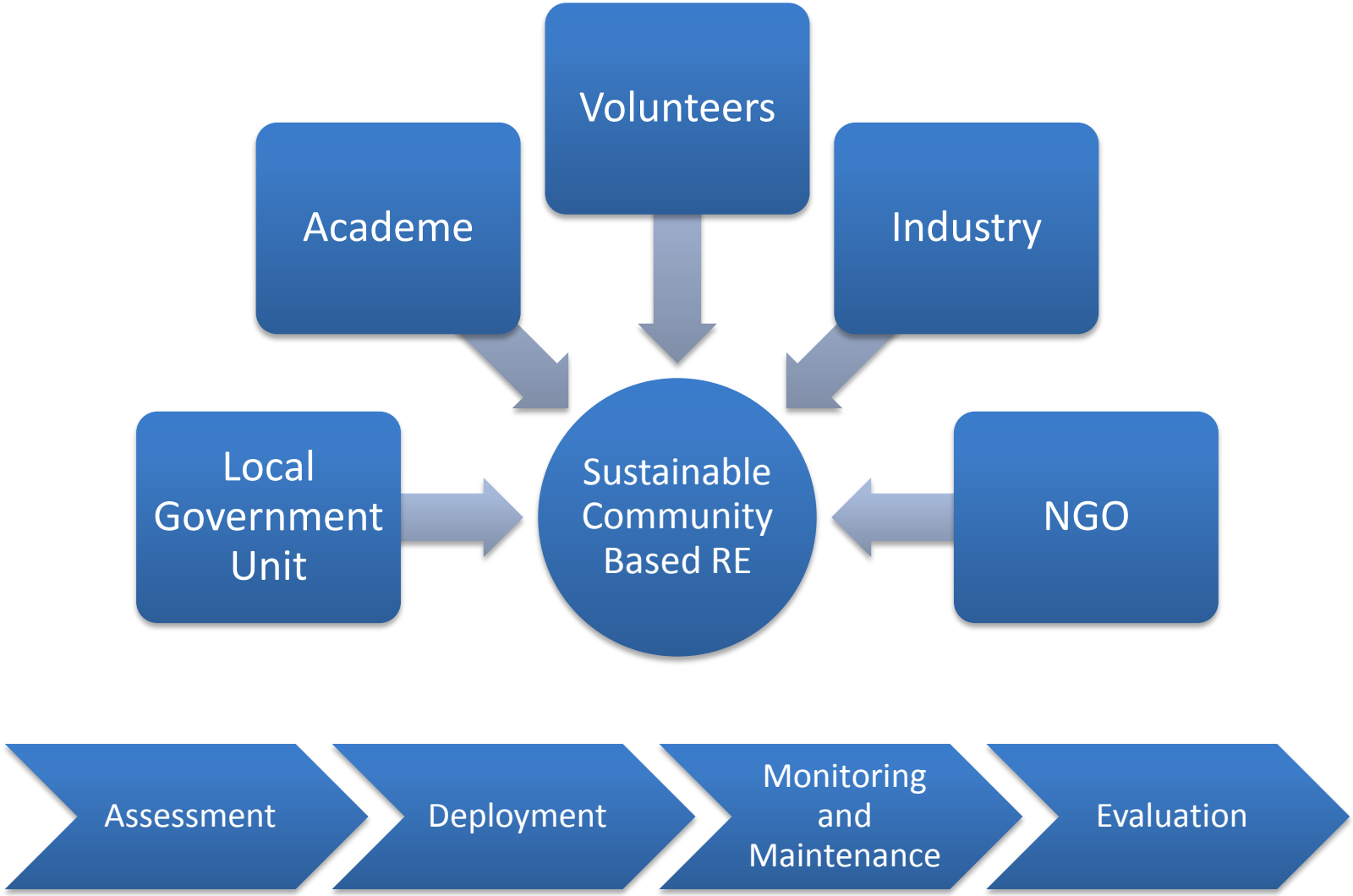
Results	Class 1 RE Systems	Class 2 RE Systems	Class 3 RE Systems
Planned Results	30	2	0
Actual Results	72	3	0

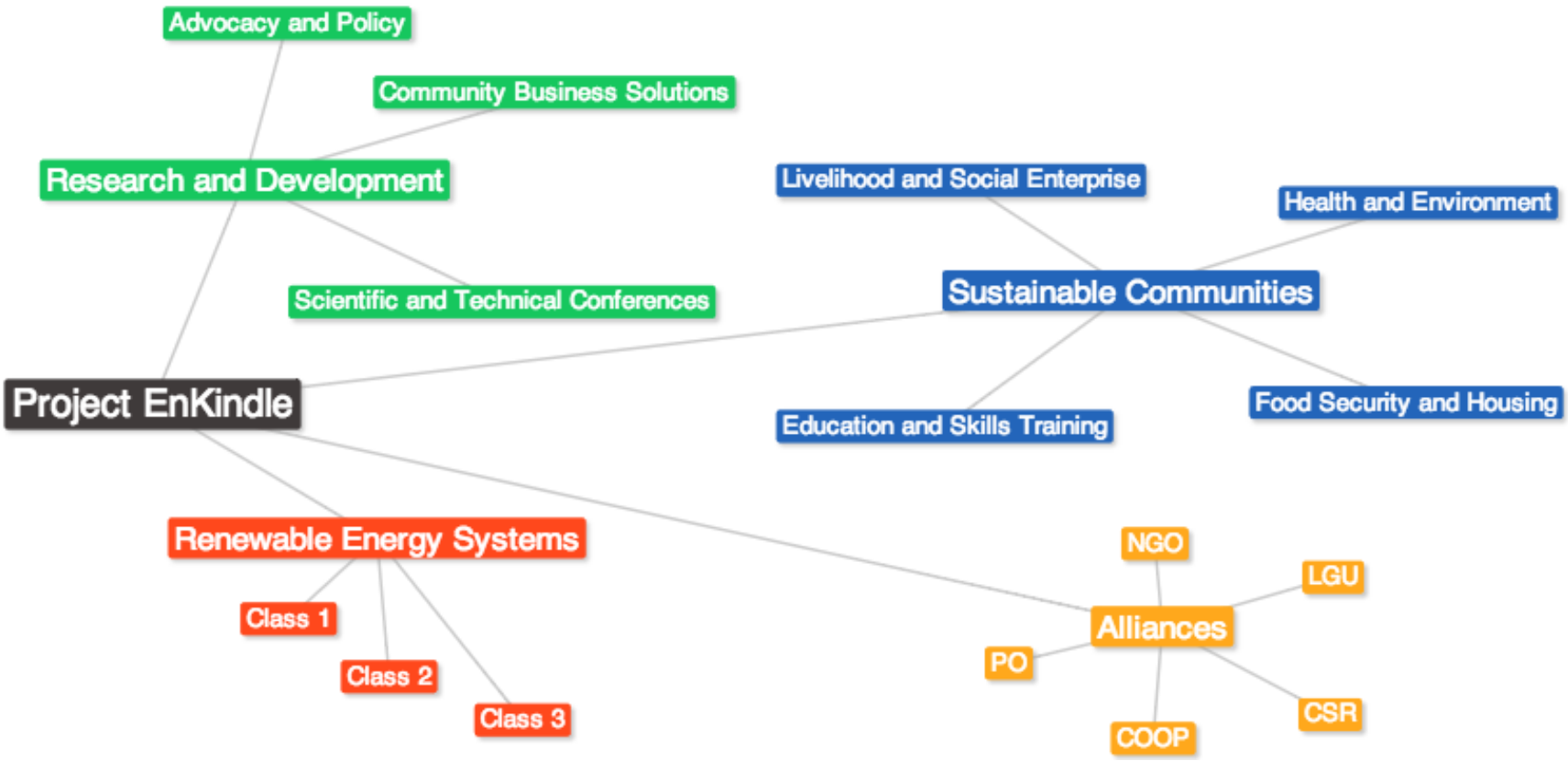
BENEFICIARIES IN NUMBERS

162 HOUSEHOLDS
5 SCHOOLS
9 Community Center

5, 324 INDIVIDUALS
(1,847 Students)

Note: Summary of Beneficiaries are based on estimation assumption and models discusssed in the next pages. Assumptions and estimation models are used as application of RE Systems vary per community


Volunteers
Academe
Industry
Local Government Unit
Sustainable Community Based RE
NGO
Assessment
Deployment
Monitoring and Maintenance
Evaluation

EnKindle Vision

LONG-TERM DEVELOPMENT PLAN Beyond Emergency Response