

Local Climate & Sustainable Energy Solutions in South Asia Eco-Village Development ToT UN Climate Dialogue 2020 Side Event November 26, 2020

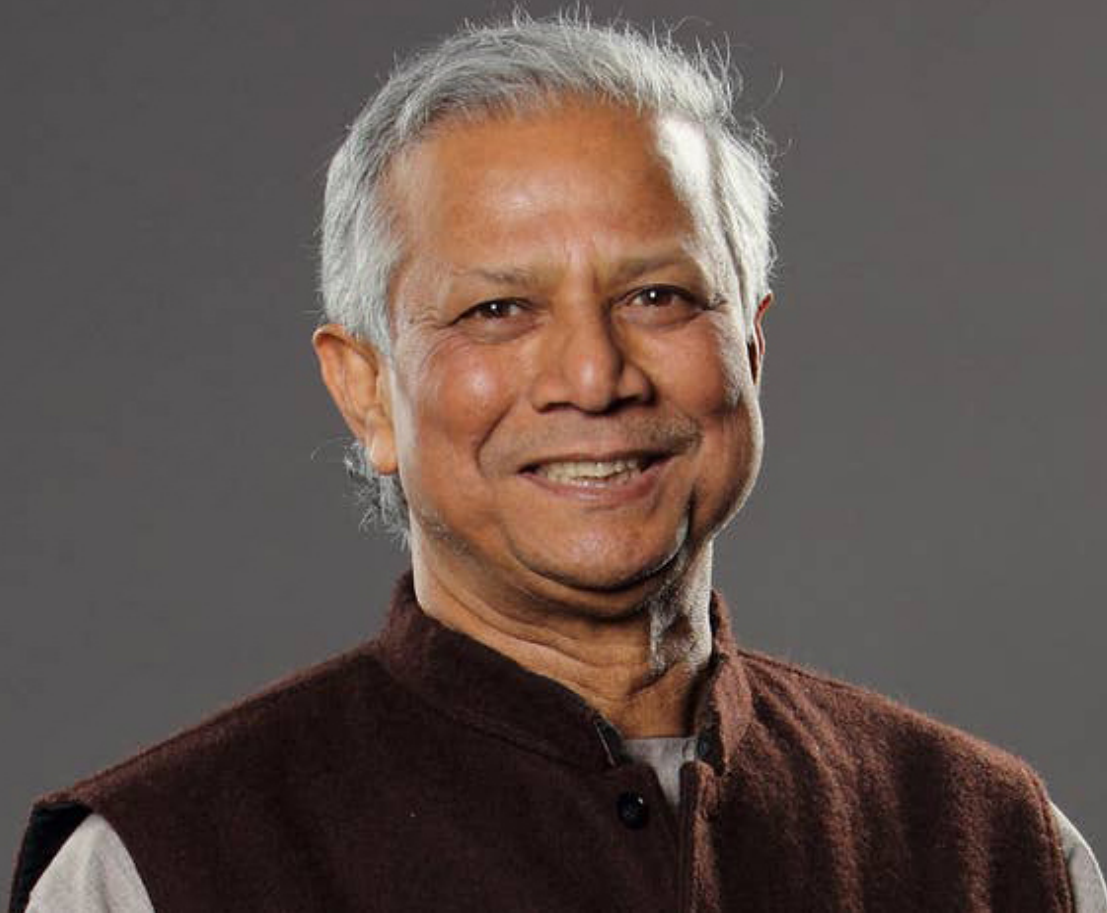
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Grameen Shakti

Proceedings: <https://www.inforse.org/cd2020.php3>
UNFCCC: <https://unfccc.int/cd2020/specialevents>





Grameen Shakti was established in **1996** as a Not-for-profit company by Nobel Laureate

Prof. Muhammad Yunus with the Objective of providing **Access to Energy** to the rural people of Bangladesh

Key Milestones

Solar Home System



1,80,0000

units installed

33% Share
in Bangladesh

25% Share
In the World)

Improved cooking stove



1,000,000

units installed

35% Share
in Bangladesh

Biogas Plant



35,000

units installed

40% Share
in Bangladesh

INFORSE and Grameen Shakti

Grameen Shakti is Country **Focal Point** of **INFORSE** as well as one of the **Founders** for **INFORSE-South Asian Chapter**

Grameen Shakti, in association with INFORSE is implementing “**Eco-Village Development**” Project in Bangladesh, Since 2015.



Eco-Village Development

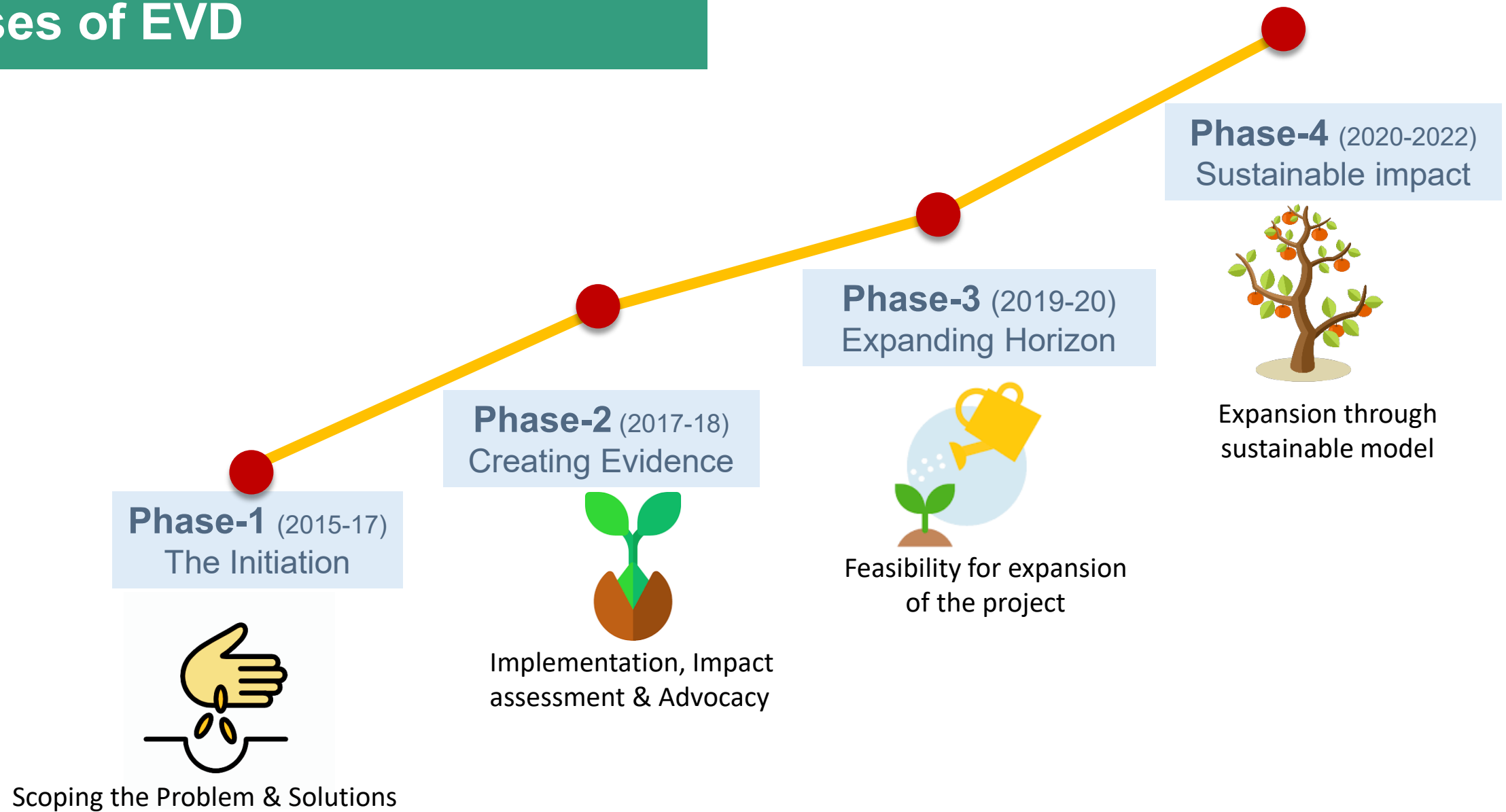
Eco-village Development (EVD) is an integrated socio-economic development concept, in which Individual Solution combines in clusters to provide synergic benefit to the **COMMUNITY**



EVD Project partner organization



Phases of EVD



EVD Solutions

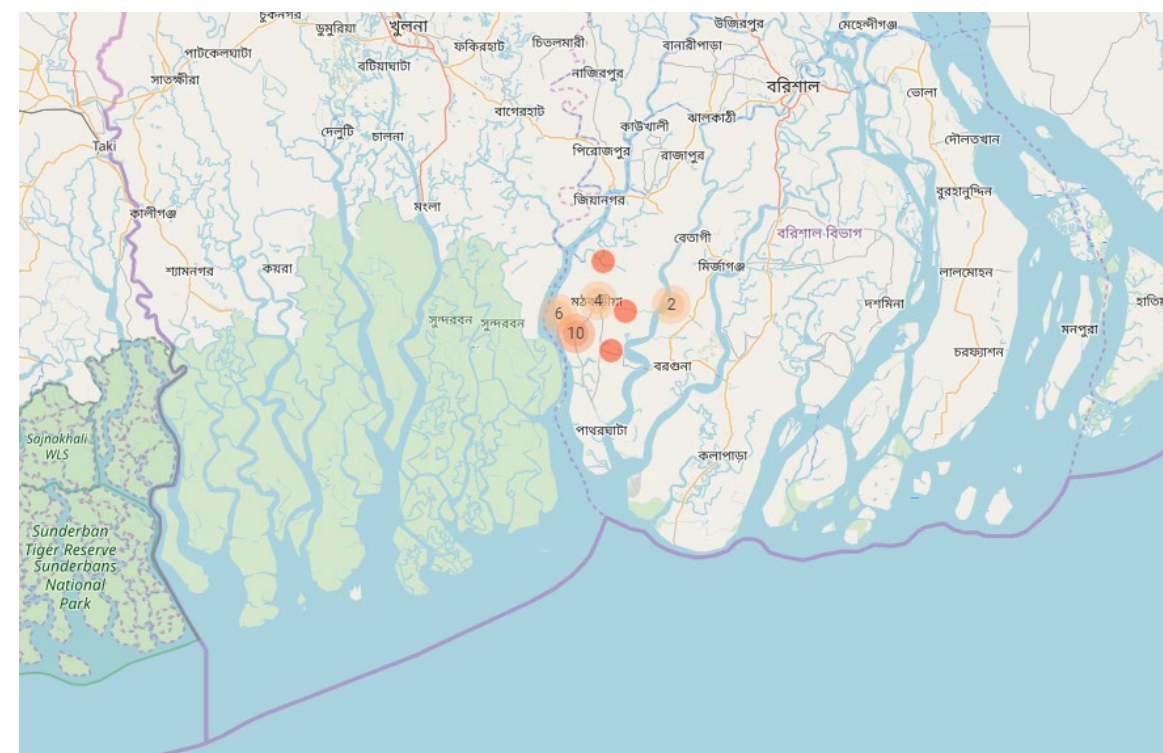
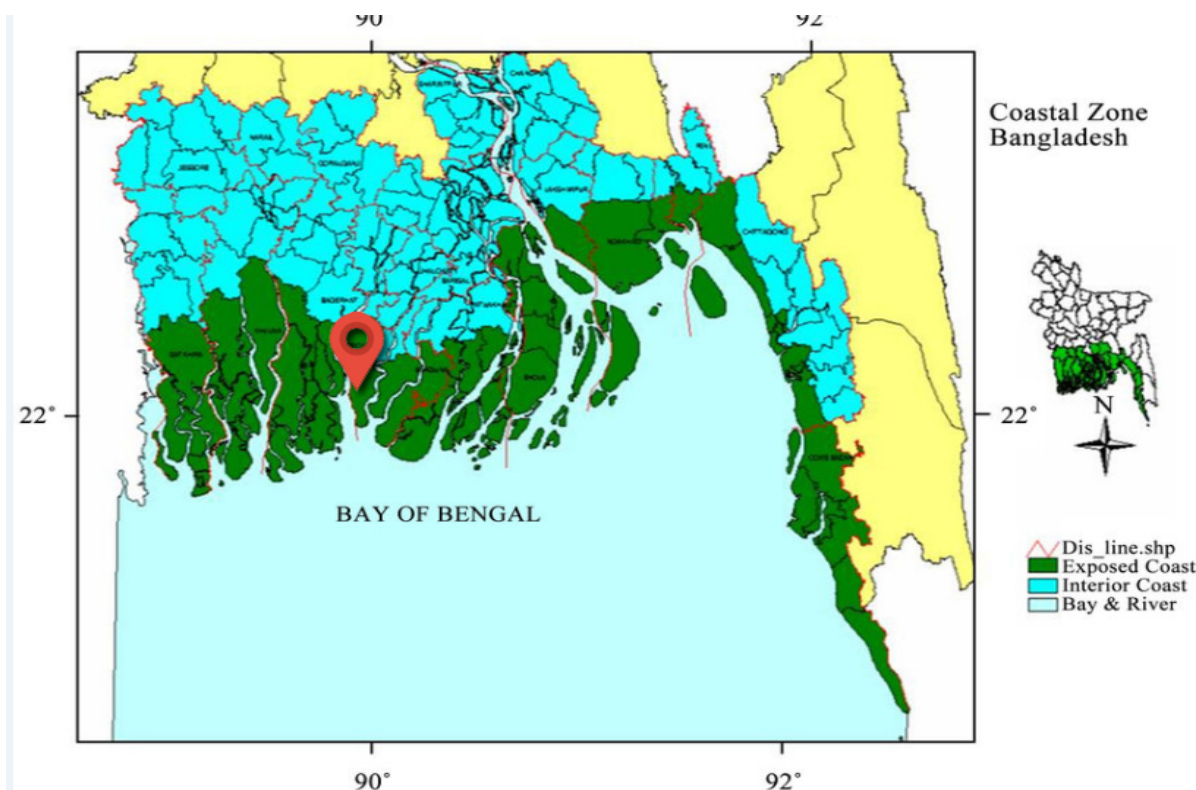
Problem	Solution	Current Status	Potential
Access to clean drinking water	Solar power pump (drinking water)	60% of the population has to endure unsafe drinking water	Clean water for 1024 off-grid villages
Access to Electricity	Solar Street Light	200,000 + solar Street light	Millions of existing street lights can be replaced
Environment Pollution	Biogas plant with Low cost Bamboo made slurry pit	Currently there are 76,771 biogas plants are in Bangladesh	3.5 million biogas plants can be installed
Inefficient cooking	Retained Heat cooker	85% of the heat is the traditional Stoves is wasted	25 million rural households can adopt this



Feasibility Study of EVD Concept

Objective : Test the viability of the EVD solutions in the coastal zones of Bangladesh

Scope : Feasibility study of different EVD solution in the climate vulnerable coastal zone of Bangladesh



Key Salient Features



Focused Group Discussion (FGD)



Key Informant Interview (KII)

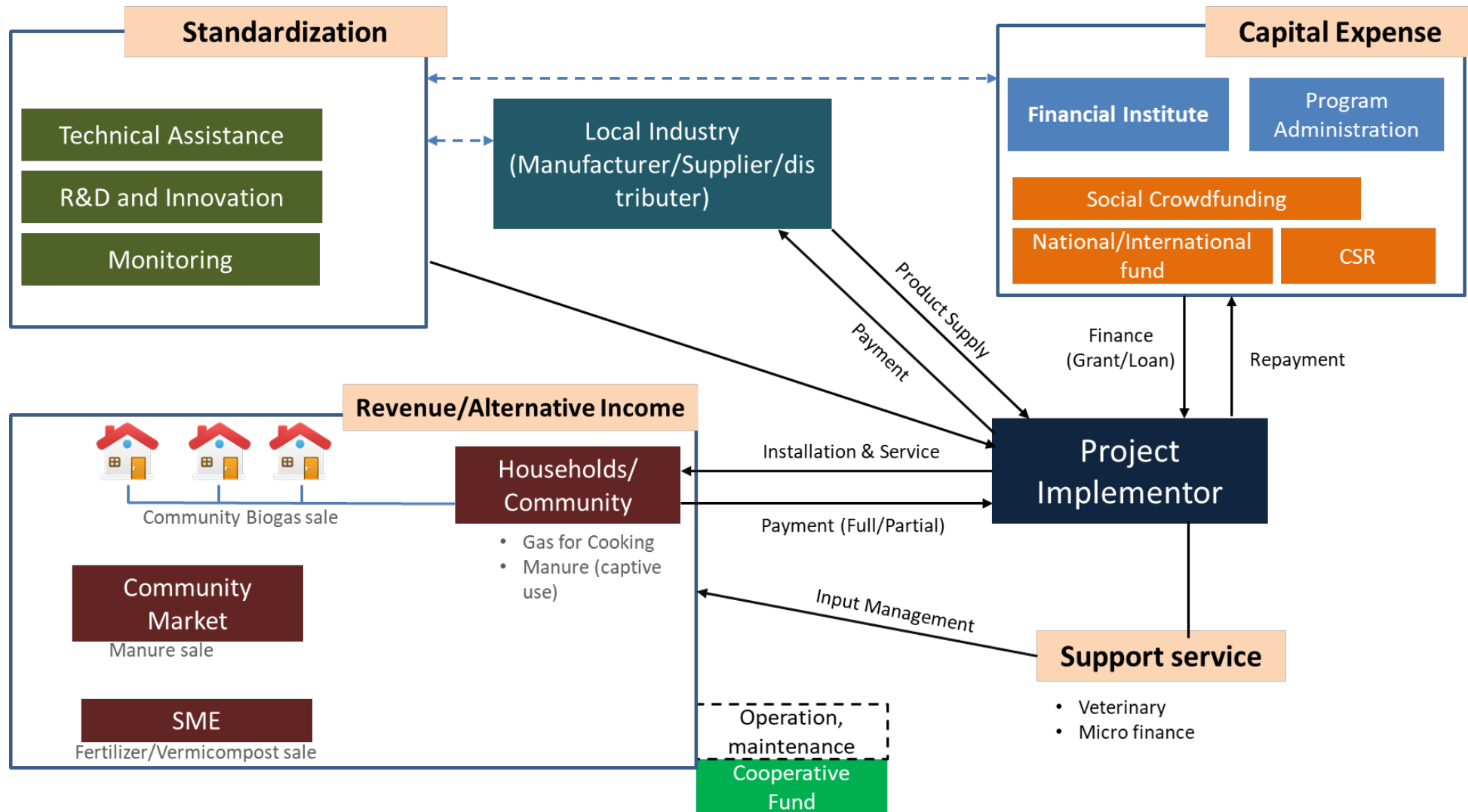


Social Enterprise Model will facilitate :

- To attain a Social Objectives
- Disseminating product/solution in Sustainable way through
 - maximizing benefits (economic & alternative value)
 - Links society/community and the environment.
 - Involve beneficiaries at the operation level
 - Incorporate revenue generation from EVD solutions
 - Cover expense through the operational markup
 - Assess possibility of paying back investment
 - Replicable in modular fashion
 - Easy and sustainable for other operators to involve
 - Not fully dependent on grant or subsidy at a longer term



Social Enterprise Model



Self sustaining Social Enterprise Model (SEM) *by attaining*



**Revenue
Generation**



**Market
Linkage**



**Cooperative
Fund**



**CAPEX/OPEX
optimization**

Gender inclusion

Beneficiaries

50% of the project beneficiaries are **women**



Capacity Building

We provide **training to women** to promote clean energy solutions



Team

Project management team consists **50% women staff**

Women Health

Clean cooking solutions of GS is improving **of health 1 million women**



Thank You

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More information:

www.inforse.org/asia/EVD.htm

www.ecovillagedevelopment.net

