

SOCIAL ENTERPRISE MODEL OF LOCAL SOLUTIONS

ROAD TO SUSTAINABILITY

Regional
Webinar



MODERATOR



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DENNIS MOMBAUER
Director, Research &
Knowledge Management,
SLYCAN Trust

**Date: 28th March 23,
Time: 2.00 -3.30 PM India Time.**
Registration link:
https://us02web.zoom.us/join/register/WN_Pjr8LBfeTLyQOZIKehX82g



Social Enterprise Model Experience from Bangladesh

Abdul Arif

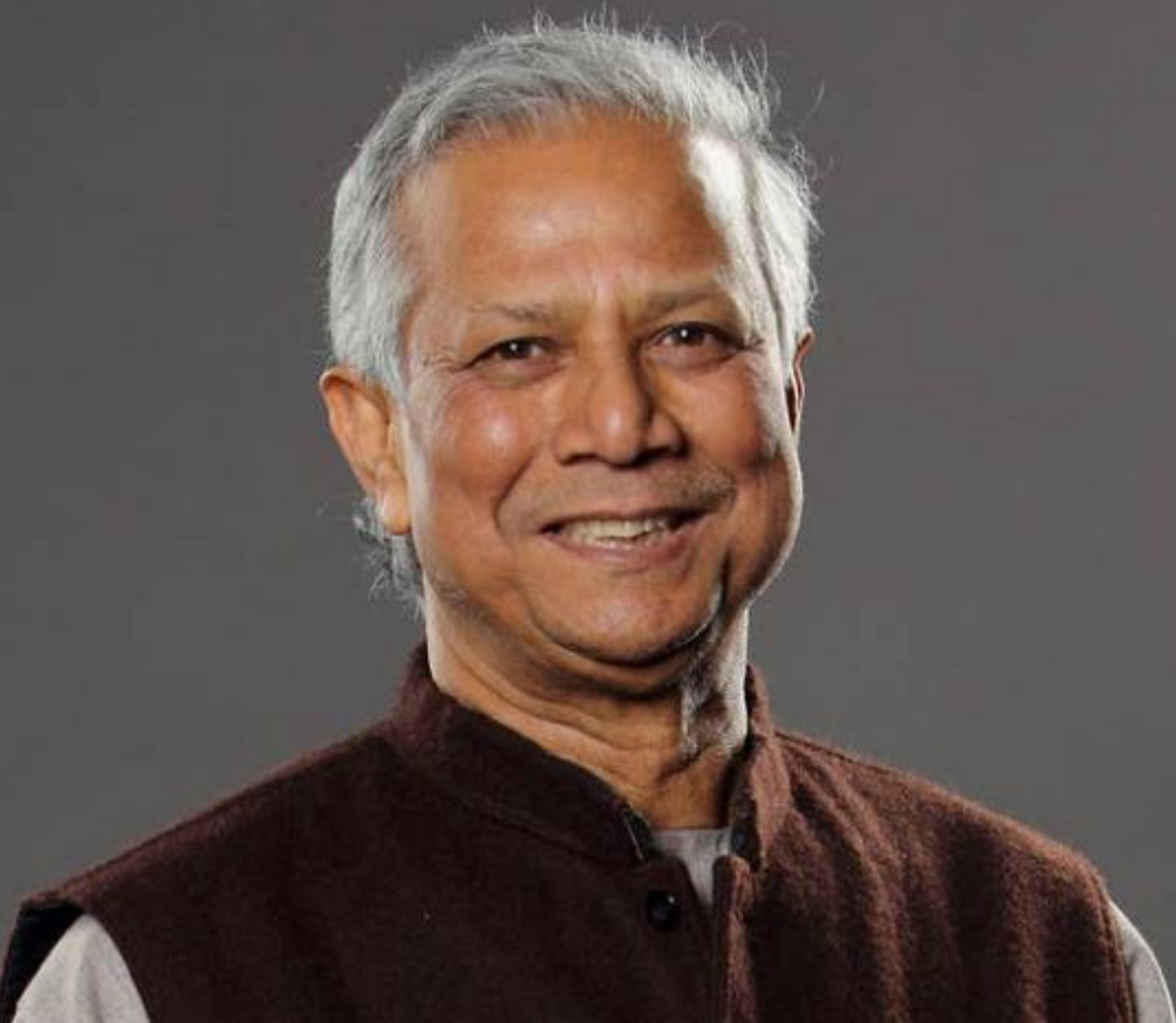
Project Manager
Grameen Shakti, Bangladesh

28th March, 2023

Webinar

Social Enterprise Model of Local Solutions - Road to
Sustainability





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

**Professor Muhammad
Yunus**

with the Objective of providing
Access to Energy to
the rural people of Bangladesh

Broad Activities

Two prongs of activities.....

Socio Economic Activities



Generate **REVENUE** for **Sustainability** through activities creating **Social Impact**

Development Activities



Generate **Social Bottom Line** in a Sustainable manner, adding to **financial sustainability**

Key Milestone & Achievement

Solar Home System



1,800,000

units installed

43%

(National program share)

Improved Cooking Stove



1,000,000

units installed

25%

(National program share)

Biogas Plant



36,000

units installed

40%

(National program share)

Total 15,00,000 CO2 reduction/annum

Socio Economic Activities

Biogas Plant



Solar Rooftop



Solar water Pump



PV Module



EV & ER Battery



Solar Street Light



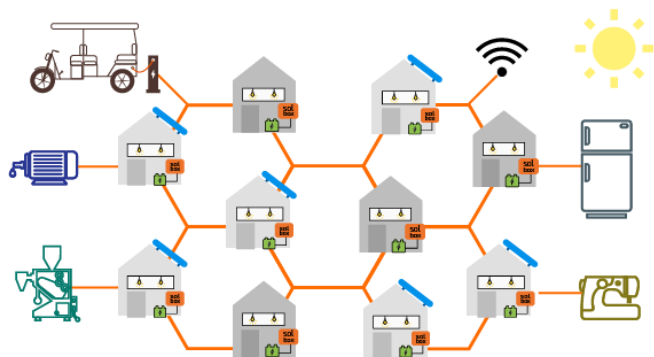
Development Projects



Eco-Village Development (EVD)



Electric Mobility



Peer-to-peer Solar Grid



Energy Transition



WePOWER, World Bank

Eco-Village Development (EVD)

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



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**

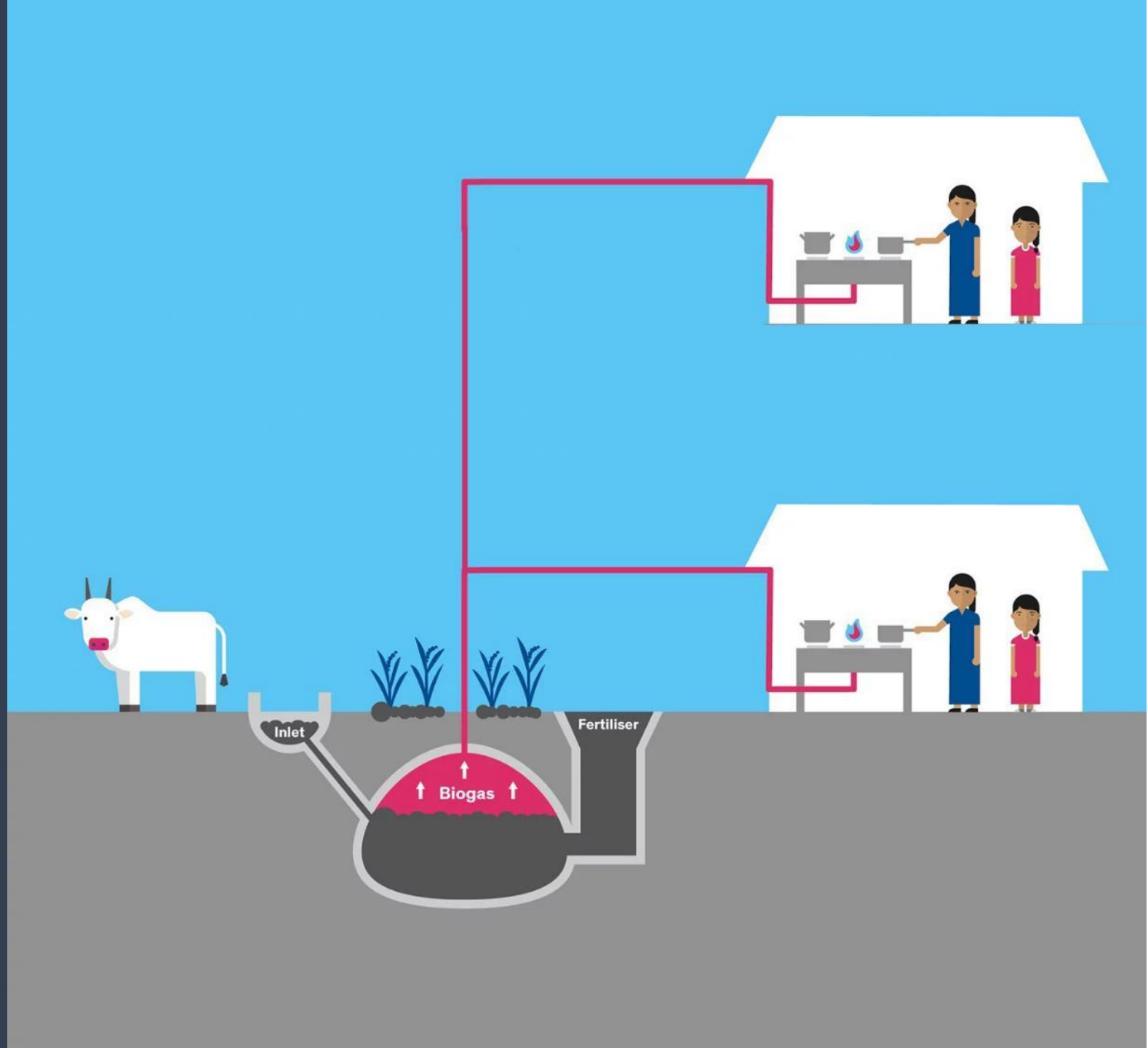




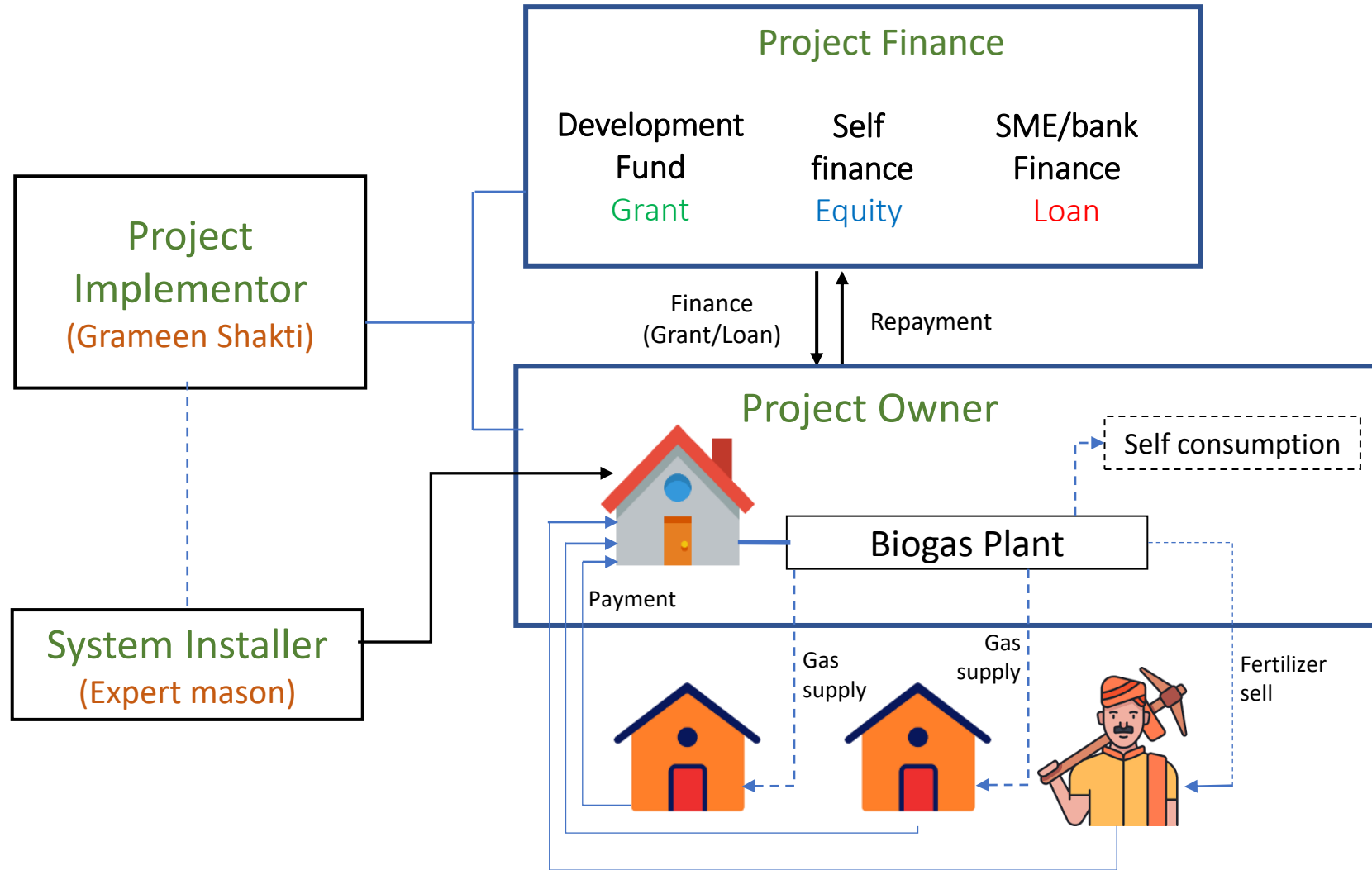
“Social enterprises are businesses created to attain a social purpose in a financially sustainable way”

Social Enterprise Model

Community based Biogas Plant

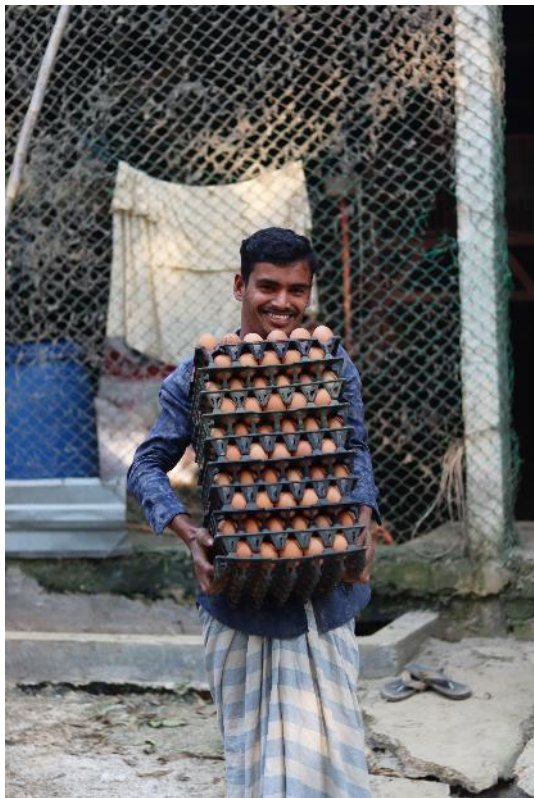


Social Enterprise Model (Biogas Plant)



Case – 1 (biogas plant in a poultry firm)

- Project Owner : Abu Bakar Siddique
- Location : Gazipur (adjacent to Dhaka)
- Capacity of the poultry : 2, 500 chickens
- Size of the plant : 4.8 m³



Financial Model

Plant Size 4.8 m3
Total Project Cost 55,000 BDT

Grant 19.0% 10,450 BDT
Equity 78.3% 43,038 BDT
Loan 2.8% 1,513 BDT

	Year-1	Year-2	Year-3	Year-4	Year-5
Investment	(43037.50)				
Revenue from gas sell	7200.00	7200.00	7200.00	7200.00	7200.00
Revenue/cost saving from Ferti	24600.00	24600.00	24600.00	24600.00	24600.00
Loan payment	(1512.50)				
Operation & Maintenance	(5000.00)	(1000.00)	(1000.00)	(2000.00)	(2000.00)
Cum. cash flow	(17750.00)	13050.00	43850.00	73650.00	103450.00

** All amounts is in BDT*

Case – 2 (biogas plant in cow firm, household level)

- Project Owner : Monir Hossain
- Location : Gazipur (adjacent to Dhaka)
- Capacity of the farm : 15 Cows
- Size of the plant : 4.8
-



Kitchen



Tea stall



Financial Model

Plant Size 4.8 m3
Total Project Cost 50,000 BDT

Grant 25.0% 12,500 BDT
Equity 72.0% 36,000 BDT
Loan 3.0% 1,500 BDT

	Year-1	Year-2	Year-3	Year-4	Year-5
Investment	(36000.00)				
Revenue from gas sell	0.00	0.00	0.00	0.00	0.00
Revenue/cost saving from Ferti	33600.00	33600.00	33600.00	33600.00	33600.00
Loan payment	(1500.00)				
Operation & Maintenance	(5000.00)	(1000.00)	(1000.00)	(2000.00)	(2000.00)
Cum. cash flow	(8900.00)	23700.00	56300.00	87900.00	119500.00

** All amounts is in BDT*

Engaging Financial Institutions

- “*Nobin Udyogta*” or Young Entrepreneur is a program of Grameen under which Young Entrepreneurs are financed (small and medium scale) to develop/establish their business.
- Size of investment is \$500 to \$15,000
- Total investment is 56 million USD
- Currently 3 Grameen organizations are implementing this program
- 100,000 Entrepreneurs created
- Type of business: Agriculture, farming, small/medium shop, manufacturing and processing etc

Grameen Shakti is advocating the other Grameen Companies to finance projects like biogas plants- from which generating income/cost saving is possible

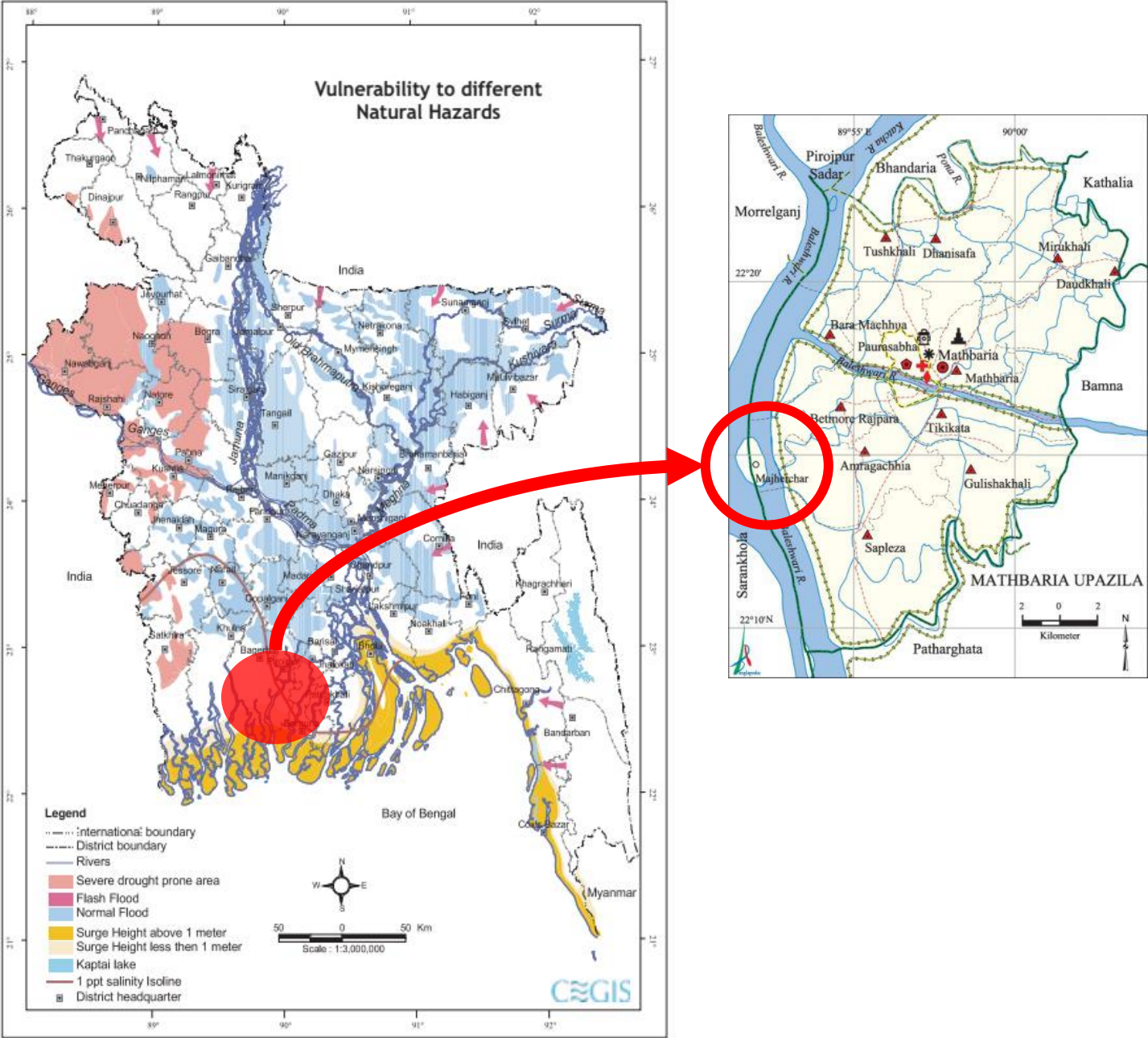


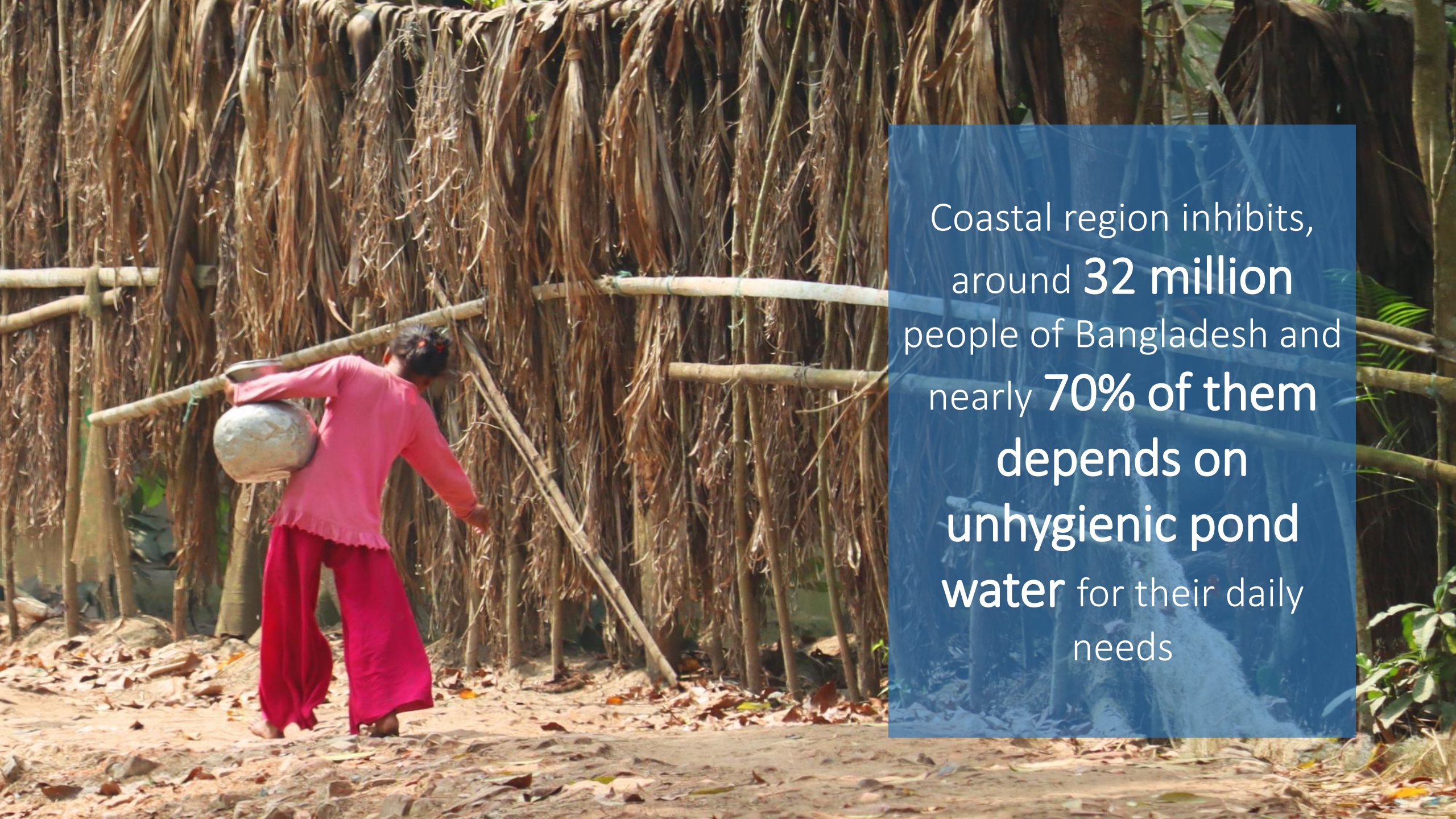
Social Enterprise Model

Integrated Solar water pump for drinking, drip irrigation & Productive Use appliance such as crop processing



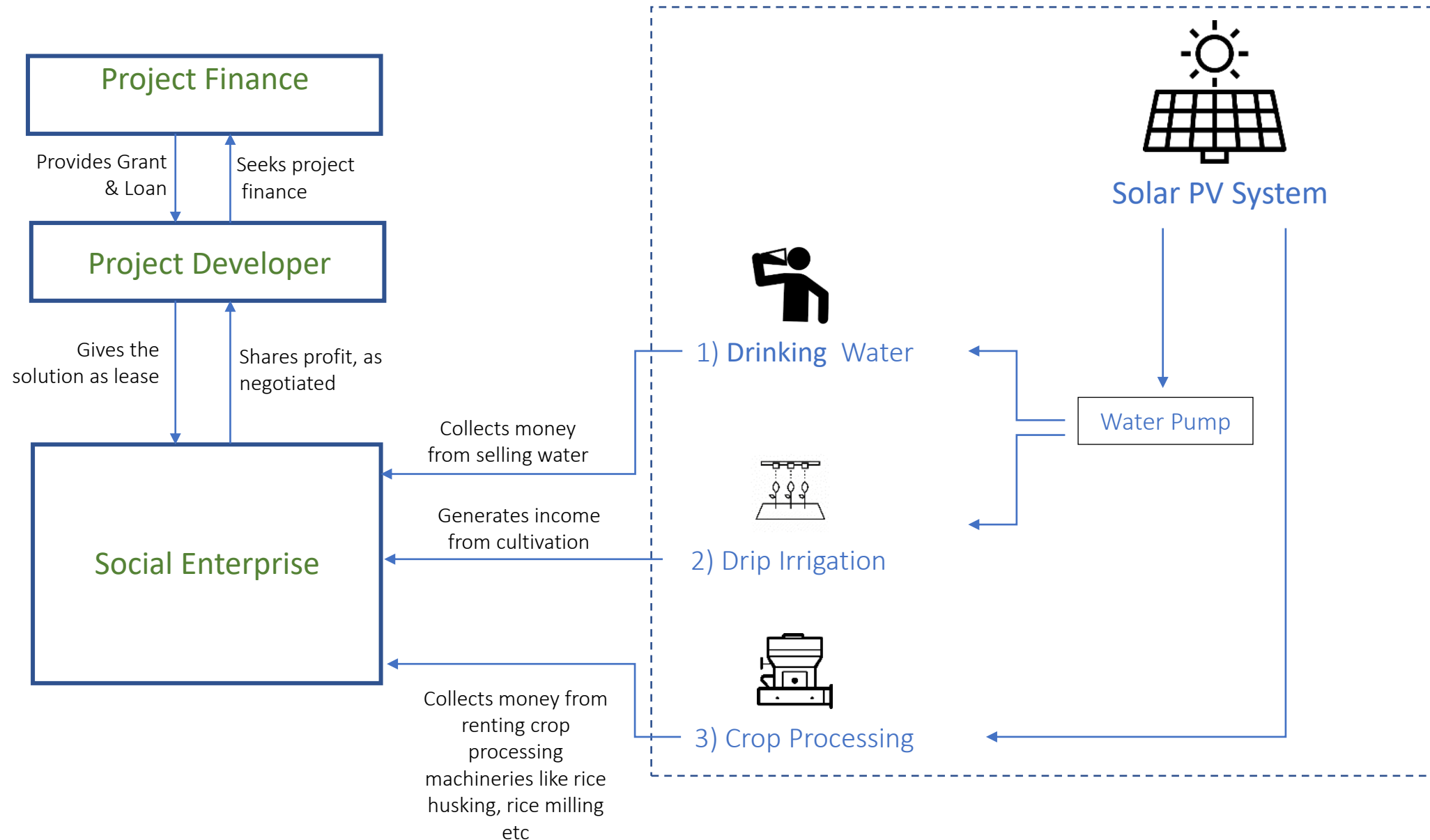
EVD Model Village





Coastal region inhibits,
around **32 million**
people of Bangladesh and
nearly **70% of them**
depends on
unhygienic pond
water for their daily
needs

Case – 3 (Integrated Solar water pump, drip irrigation & Crop processing)





Thank You!

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More information on Eco-Village Development

<https://ecovillagedevelopment.net/>

<https://www.inforse.org/asia/EVD.htm>