



IDEA

Integrated Development Association



Sustainable  
energy for  
livelihoods

# Eco-Village Development Project PHASE 4 LAUNCH: DATABASE for ECO VILLAGE DEVELOPMENT

- Solutions in SRI LANKA - 31 August, 2022

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# Energy security and Food Security: Anagi to the Rescue!

*Improved Cookstoves (ICS) for wood and residues*  
*Sri Lanka*

## Anagi- Improved Biomass Stove in Sri Lanka



"Anagi" installed with mud mixture insulation



### General, what the solution provides.

Anagi is a two pots single-piece clay stove designed to meet the cooking needs of a 6 people family. It can

- Anagi Designed and disseminated over thirty years back
- Rs 350 to Rs1500-2000
- 70% Population relying on Biomass



# Food Security: Home gardening

*Kitchen gardening  
Sri Lanka*

## Organic Kitchen Gardening (Nutritional Home Gardens)



### **General, what the solution provides.**

Developing countries where the pervasiveness of hunger and food scarcity is more acute are resorting to various counter strategies to meet the growing demand



# Other solutions: Institutional Biomass improvements



Source: The strait Times

*Improved Cookstoves (ICS) for wood and residues  
Sri Lanka*

## Movable and sunken type institutional stove for roadside boiled corn vendors



*Improved Cookstoves (ICS) for wood and residues  
Sri Lanka*

## Movable Institutional Biomass stove with Chimney





# Other Solutions: VDP

*Village development planning  
Sri Lanka*

## **Village Development Planning - Participatory Rural Appraisals in Sri Lanka**



**General, what the solution provides.**

Village Development planning with the adoption of Participatory Rural Appraisals (PRA) is a bottom-up planning approach. In this process the community is actively involved in the village planning process.

### **Roof rainwater harvesting**



### **Non portable Bio-mass dryer**



## **Mushroom cultivation as a rural livelihood solution**



## **Improved Kitchens for the Rural Sector**





# Solutions to Expect in the Future

**Brickmaking Improvements  
using biomass waste**



**Organic paddy farming**



**Wood steamers- Hygrothermal  
wood treatment**



# For more information

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Link to Database:

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