



Eco-Village Development Program for Empowering Local Communities

By Sanjiv Nathan and Dr. Raymond Myles

Integrated Sustainable Energy and Ecological Development Association (INSEDA)

INDIA

At

UN HLPF2020 Side Event: July 15, 2020,

INFORSE: Local Climate & Sustainable Energy Solutions,

South Asia, East Africa, Eco-Village Development, 100% Renewables

Presentation is part of the Proceedings of Side Event of UN HLPF 2020

http://www.inforse.org/INFORSE_at_HLPF2020.php and

<https://sustainabledevelopment.un.org/index.php?page=view&type=20000&nr=7102&menu=2993>



INTEGRATED SUSTAINABLE ENERGY AND ECOLOGICAL DEVELOPMENT ASSOCIATION (INSEDA)



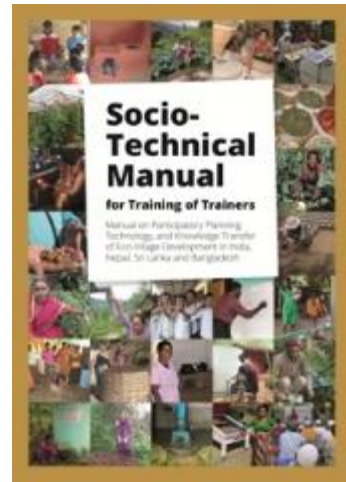
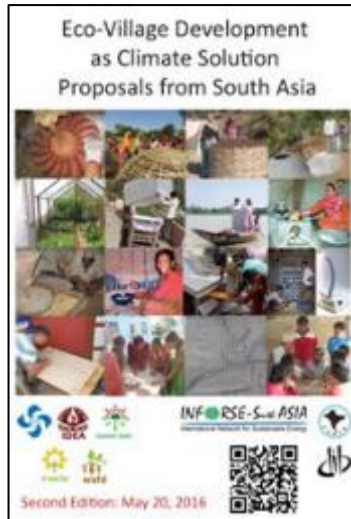
- **NGO Registered in 1995**
- **Working in India, as well as South Asia**
- **Founder members of INFORSE**
- **Hosting the Regional Secretariat of the INFORSE since 1995**
- **An observer UNFCCC since 2015.**
- **Transferred technologies** to different countries - Cameroon and Uganda
- **Designed and promoted of three kinds of biogas plants**
- **Innovator of low carbon, affordable green technologies and EVD model.**



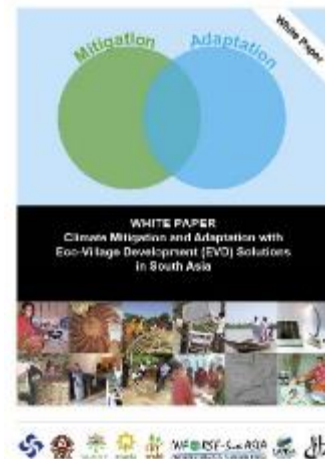
UNFCCC Conference

WHY ECO VILLAGE DEVELOPMENT (EVD) IN INDIA

- **Climate Change** has created more visible **negative impacts** on the lives of rural people
- **Necessary** to find **local solutions** apart from macro-level solutions, as more than **70%** population lives **in rural India**.
- **Covid-19** pandemic has shown that **local solutions are necessary**
- Consist of a package of
 - of **eco-friendly, low carbon, green technologies** *within villages*,
 - which can be **easily implemented** and replicated in other parts of the country
 - that **help** in **mitigation** of climate impact or adaptation of new solutions to **build climate resilience**
 - which **focuses** on local people, especially the **poor, marginalized**, women and weaker sections of local community



Training of Trainers (ToT) Manual on Eco-Village Development in South Asia



White Paper: Mitigation and Adaptation with Eco-Village Development (EVD) Solutions.



RANICHAURI, TEHRI GARHWAL OF UTTARAKHAND IN THE SUB-HIMALAYAN REGION OF INDIA



SOME OF THE EVD SOLUTIONS



BIOGAS



ROOFTOP RAINWATER HARVESTING



MULTIPURPOSE HIBRID IMPROVED COOKSTOVE



BAMBOO COMPOST BASKSET



ORGANIC KITCHEN GARDEN



SOLAR POLY GREEN HOUSE



SOLAR TUNNEL DRYER



ORGANIC AGRICULTURE

CONSTRUCTION OF GRAMEEN BANDHU BIOGAS PLANT

WOMEN WEAVING STRUCTURES FOR BAMBOO REINFORCED CEMENT MORTAR BIOGAS PLANT



HEERA, A MULTIPURPOSE HYBRID IMPROVED COOK STOVE (HICS)

TANK FOR WARMING WATER USING WASTE HEAT FROM FLUE GASES

SOLAR PANEL WITH BATTERY USED FOR LED LIGHT AND MOBILE CHARGING AND

RUNNING A FAN FOR FORCING FLUE GASES TO BUCKET OF WATER WHICH ABSORBS CARBON AND OTHER PARTICULATES TO REDUCE ATMOSPHERIC POLLUTION & CARBON EMISSION



CONSTRUCTION OF ROOFTOP RAINWATER HARVESTING UNIT, SOLAR DRIER, BAMBOO COMPOST BASKET, SOAR POLY GREENHOUSE



ROOFTOP RAINWATER HARVESTING UNIT



SOLAR TUNNEL DRYER



BAMBOO COMPOST BASKSET



SOLAR POLY GREEN HOUSE



**HIGH-LEVEL POLITICAL FORUM
ON SUSTAINABLE DEVELOPMENT**

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BI-PHASIC BIOGAS PLANT-ON- WHEELS

MULTI-FEED MIXED BIODEGRADABLE WASTE FROM KITCHEN AND BIOMASS WASTE FROM
FRUIT & VEGETABLE MARKET



ADVANTAGES OF EVD MODEL

- low carbon, pro-poor solutions using **green technologies**
- Utilization of **local building materials and local skills**.
- E. g., Bamboo
 - **Prevents the soil erosion** from runoff if planted on farm bunds
 - Helps **moisture conservation**
 - Source of **income for farmers**
 - **Women can make articles of bamboo**
- Primary beneficiaries are **women and local artisans**
- Focus on **energy, water, agriculture, livestock, fodder, drying and processing etc., for food security**
- It can act as **demonstration-cum-training models**; and show case affordable technologies which can be built by local artisans by upgradation of their existing skills
- It can promote **sustainable livelihood** by creating **income generation**
- It can improve the **local (micro) and surrounding environment**

FOR MORE INFORMATION CONTACT:

Dr. Raymond Myles, Secretary

General-cum-Chief Executive, INSEDA

and Regional Coordinator, INFORSE South Asia

WZ, A-5, First Floor, Asalatpur, Janakpuri, New Delhi-110058, India

Phone: +(91) (11) 4562 3055; Mobile: +(91) 9212014905 and +(91) 9899094905

E-Mail: ray.myles06@gmail.com, Organisational E-Mail: rmyles@insesa.org

INSEDA's Website: <http://www.inseda.org>

INSEDA is INFORSE South Asia Coordinator

INFORSE - ASIA

International Network for Sustainable Energy

More information: <http://www.inforse.org/asia/EVD.htm>

http://www.inforse.org/asia/Pub_EcoVillageDev_TOT_Manual_SouthAsia.htm



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Thank You



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