Fair Low/Zero Carbon & 100% RE Strategies,
South & North Countries, Villages,
including Women Initiatives

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December 3, 2015

Eco-Village Development (EVD) Solutions for Reconstruction of EVD Project Villages in Nepal

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Presentations are available at the UNFCCC web site and at INFORSE:
www.inforse.org/europe/conf15_COP21.htm

OUTLINE OF PRESENTATION

1. Brief Introduction
2. Post Earthquake Scenario
3. Major Issues & Challenges
4. Reconstruction Efforts in EVD Villages
5. Way Forward
6. Advocacy for EVD concept
7. Solutions for Eco-Village Development
8. EVD Concept Contribution to existing national & international initiatives

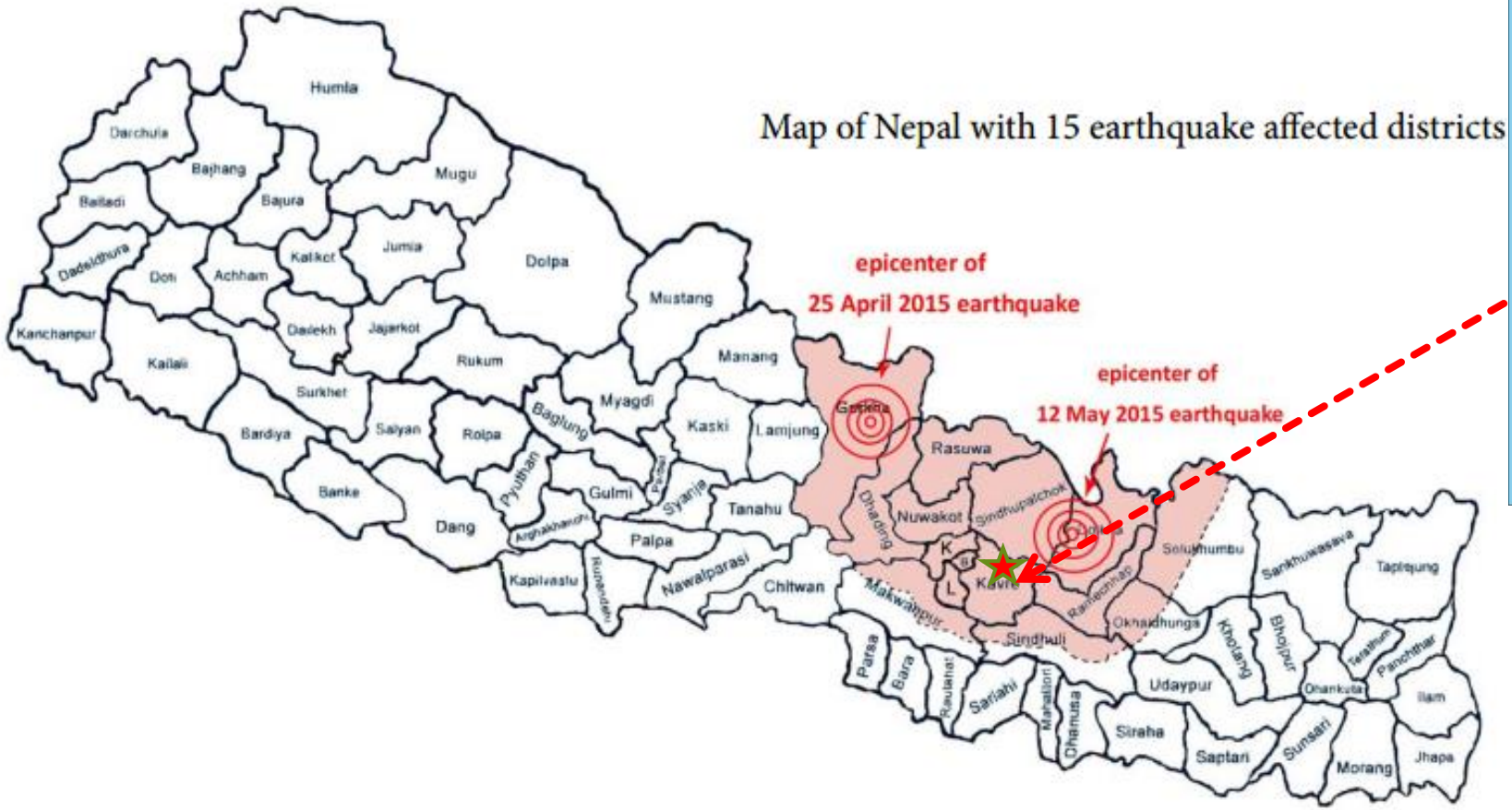
BRIEF INTRODUCTION

- The Centre for Rural Technology, Nepal (CRT/N)
  - Established in August 1989 and operational since last 26 years
- Aim
  - Develop, promote and disseminate environmentally sound rural/appropriate technologies to enhance rural livelihood
- Thematic Areas
  - Technological innovation & marketing, livelihood enhancement, capacity building, indoor air pollution, climate change, gender mainstreaming and social inclusion

For more info visit: www.crtnepal.org

MASSIVE EARTHQUAKE HIT NEPAL AND IN EVD PROJECT VILLAGES

MASSIVE EARTHQUAKE STRUCK NEPAL ON APRIL 25, 2015 AND MAY 12, 2015



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POST EARTHQUAKE SCENARIO

In Nepal

•About 22,220 people have been injured and approximately 9, 000 people have been killed

•Over 100,000 people have been displaced

•500,000 private residences were completely destroyed

In EVD project villages

•615 people were affected by disaster killing one person

•80 out of 108 households and rural infrastructures were destroyed

•Large scale of foodstuff was lost

•Livestock were buried under the rubbles

MAJOR ISSUES / CHALLENGES IN VILLAGES

- Food security and agro-based livelihood is at stake
- Massive damage / destruction of homes / shelters and local infrastructures
- Poor access to technology, water, energy, sanitation to support livelihood
- Loss of employment and income generating opportunities
- Risk of poverty looming over families
- Climate change and environmental damage

RECONSTRUCTION EFFORTS AFTER EARTHQUAKE IN EVD VILLAGES

Bio-char pit to produce organic fertilizer

Cowshed Management

Vegetable cultivation in plastic house

CRT/N Ben 2 Portable Improved Cook Stove

Kitchen garden management

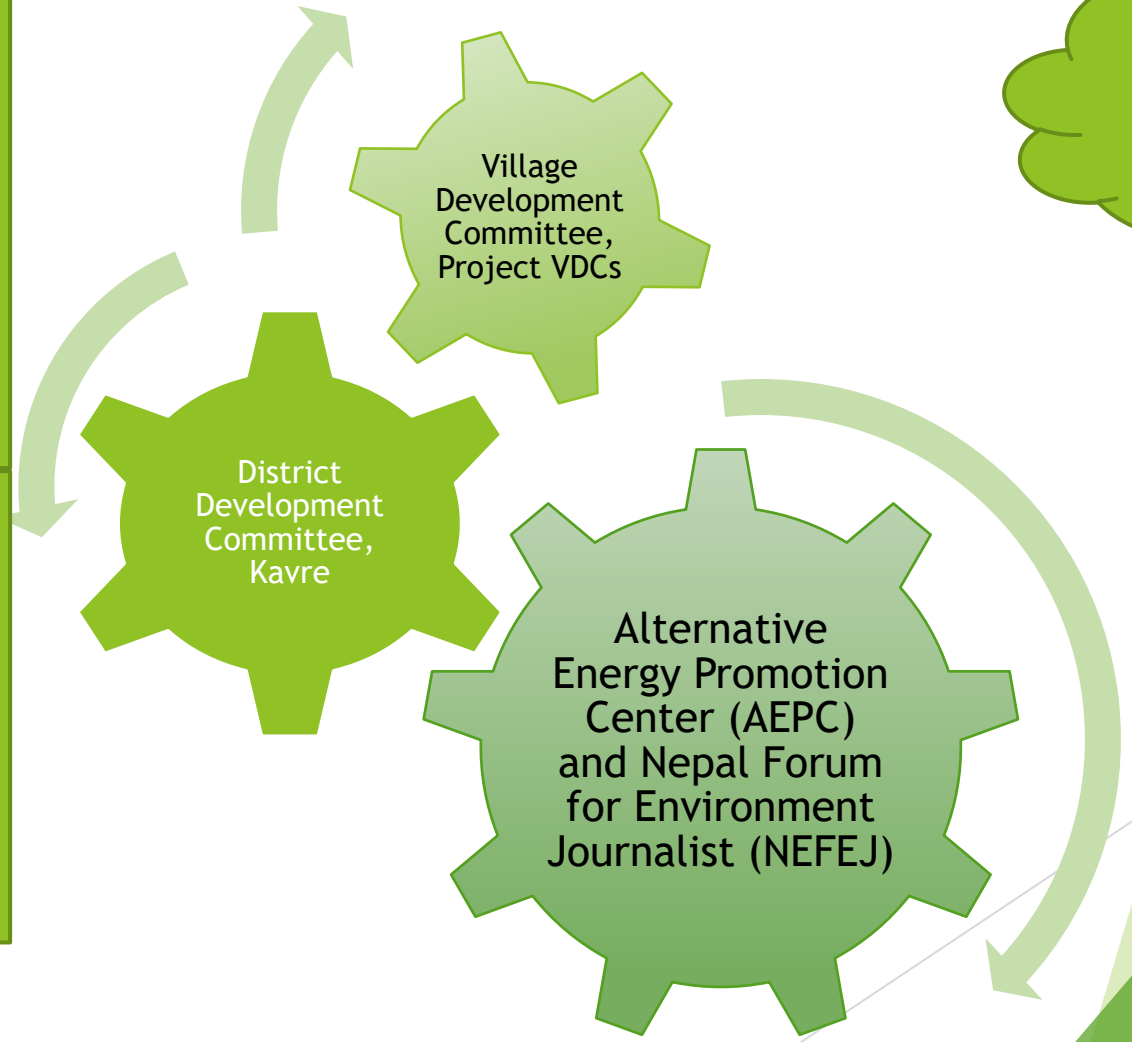
WAY FORWARD:

- Raising public awareness, participation in EVD solutions and access to information among earthquake victims
- Capacity building, trainings and institutional strengthening to make optimum utilization of available resources and services
- Increase access to renewable energy and livelihood solutions other economic options, specially integrating with agricultural production and agro-enterprise development
- Support villages in developing short and medium term plan and advocate local government to endorse the plan
- Disaster reduction and risk management at local and national level: Policy and Practices
- Advocate EVD Concept
- Promote south-south cooperation on fighting climate change, poverty, reduction and technology transfer specially among South Asia Partners
- Reconstruction / rehabilitation of houses , shelters and local infraturesa

ADVOCACY FOR EVD CONCEPT

Promoting EVD concept for reconstruction of rural villages

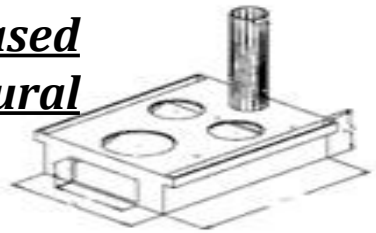
Advocate Integrating EVD solution for reconstruction of rural homes /infrastructure and livelihood



Supporting actors: Media, civil societies and stakeholders

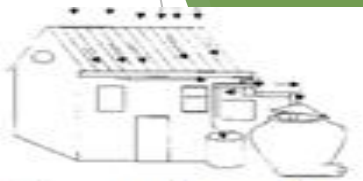
How we envisage Eco-Village

Eco-village in Nepal will integrate RETs to develop agro-based enterprises for enhancing rural livelihood

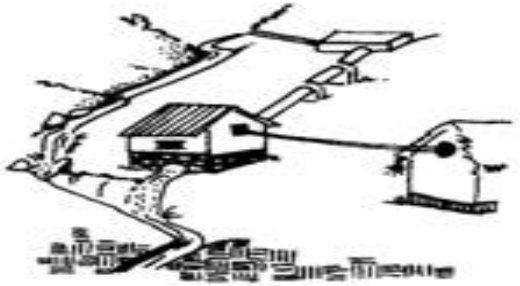


Improved Cook Stove

Biogas

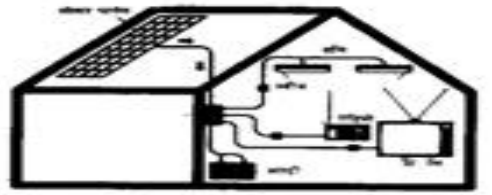


Rain water harvesting



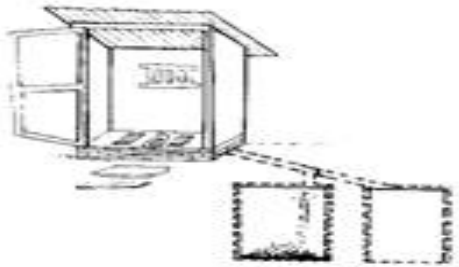
Pico-, Micro-Hydro

Community Center as knowledge and capacity building center

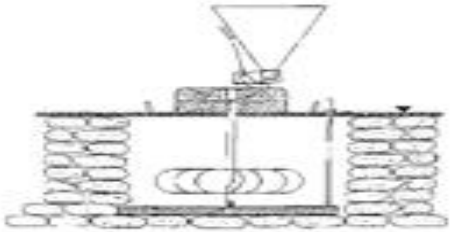


Solar PV

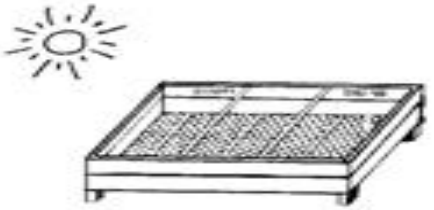
Hydarulic Ram Pump (Hydram)



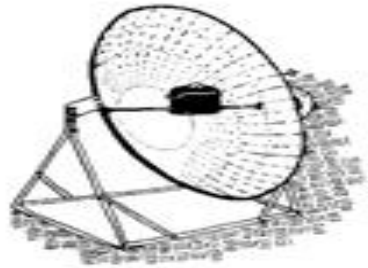
Improved Water seal toilets



Improved Water Mill

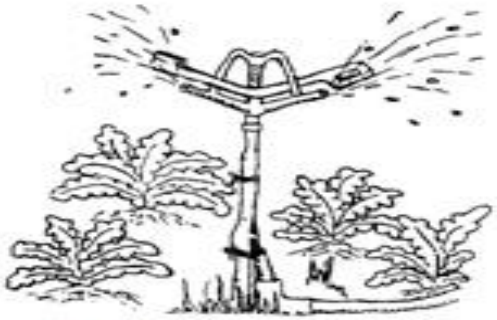


Solar Dryer



Solar Parabolic Cooker

RECONSTRUCTING AGRO-BASED ENTERPRISES

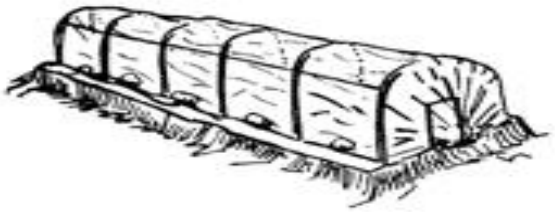


Sprinkler for micro-irrigation

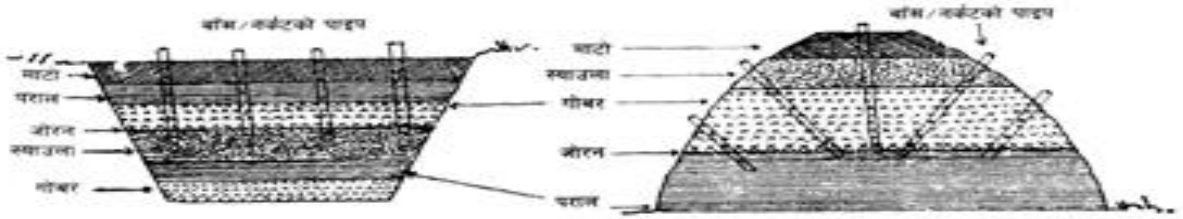
Drip Irrigation

Cultivation of high value crops

Vermi-Compost



Plastic house



Composting

REPLICATING EVD CONCEPT CAN CONTRIBUTE TO ADDRESS CLIMATE CHANGE AND ENERGY DEVELOPMENT IN NEPAL

SUSTAINABLE DEVELOPMENT GOALS (SDG)

- SDG comprises 17 goals with 169 targets covering a broad range of sustainable development issues.
- Development of hamlets integrating EVD concept can contribute to achieving targets of

Goal 1	End poverty in all its forms everywhere
Goal 2	End hunger, achieve food security and improved nutrition, and promote sustainable agriculture
Goal 5	Achieve gender equality and empower all women and girls
Goal 6	Ensure availability and sustainable management of water and sanitation for all
Goal 7	Ensure access to affordable, reliable, sustainable, and modern energy for all
Goal 13	Take urgent action to combat climate change and its impacts

Center for Rural Technology, Nepal

WEE-Nepal: Energy Access through Women's Economic Empowerment

Potential of linkage to EVD Solutions

Environment Friendly Local Governance Framework (EFLG)

Local Adaptation Plans for Action (LAPA)

Alternative Energy Promotion Center (AEPC)

SUSTAINABLE ENERGY FOR ALL

SUSTAINABLE ENERGY FOR ALL

- providing universal access to modern energy services;
- doubling the share of renewable energy in the global energy mix.

Saving our planet, lifting people out of poverty, advancing economic growth – these are one and the same fight."
- United Nations Secretary-General Ban Ki-moon

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