Launch: Online Database for Eco-Village Development (EVD) Solutions in Nepal - 31th August 2022

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Centre for Rural Technology, Nepal (CRT/N)

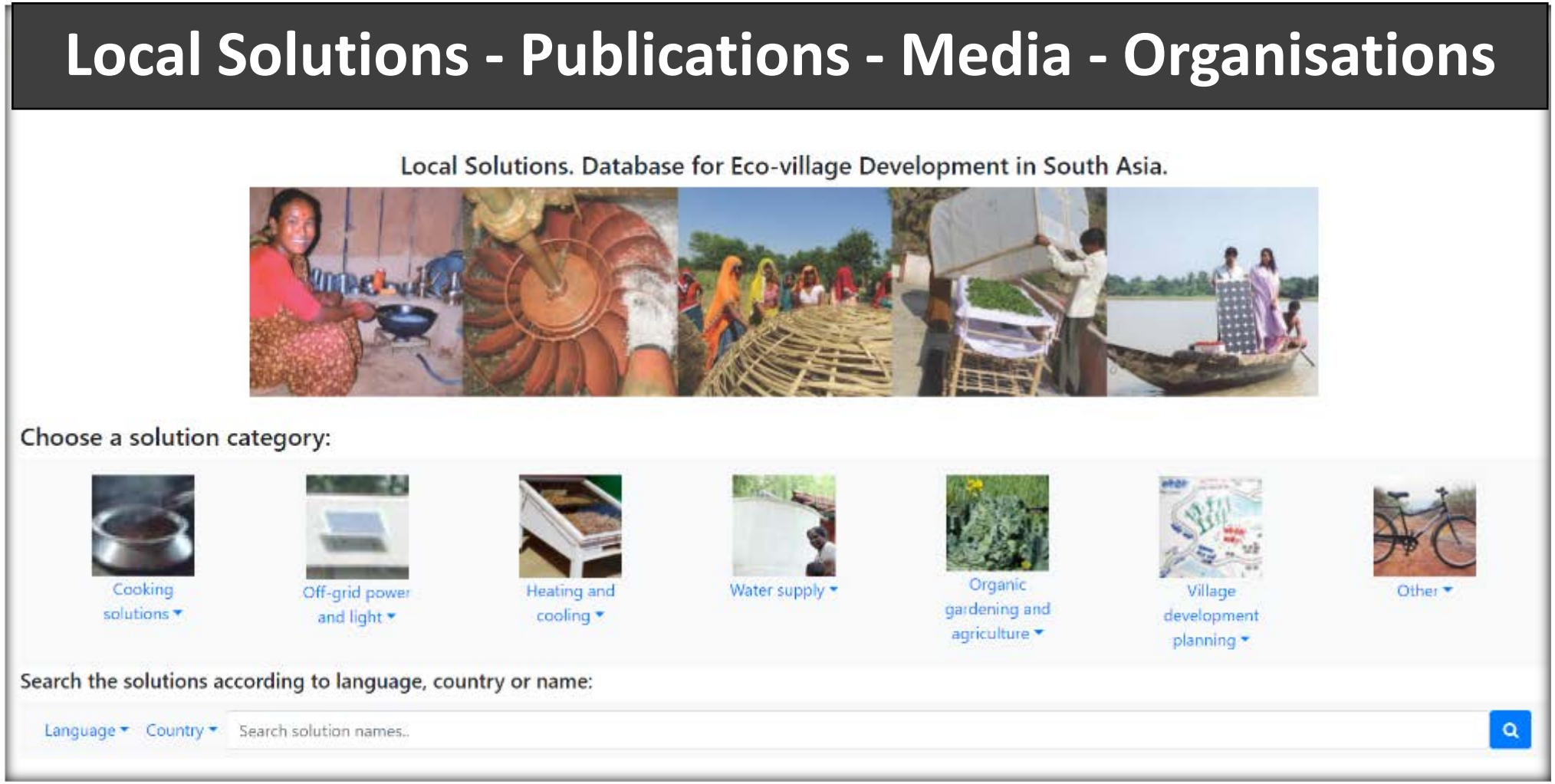
- Established in 1989 with an aim to develop, promote rural appropriate technologies in Nepal
- Improved watermill, improved cook stoves, hydraulic ram-pump, solar cooker and solar dryer.
- CRT/N prioritizes rural communities especially the women and children in improving their quality of life through the access of energy, reduction in drudgery, indoor smoke inhalation and improvement in water and sanitation.

Eco-Village Development (EVD) Implementation Project Site Information

- Bhalumara Village, Marin Rural Municipality-3, Sindhuli
- Project beneficiaries: 110 Households 507 inhabitants (256 male, 251 female)

The Local Solutions Database for Eco-Village Development in South Asia

Local Solutions - Publications - Media - Organisations



The Database Content

- **Local solutions for use in eco-village development**
- **Publications related to eco-village development**
- **Media library with images & external videos**
- **Organisations working on eco-village development**

Link to the database: https://www.inforse.org/evd/

The Database Solutions in Nepal implemented by CRT

Poly-house tunnel

https://www.inforse.org/evd/

Made from locally available bamboo and covered by polythene, usually semi-circular in shape.
Collecting solar radiation allowing off-season fruits and vegetables cultivation
Fast crop growth. Protects crops from rain, frost, snow, hail
Cost: NRS-15,000- 20,000 = $140

Drip irrigation

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https://www.inforse.org/evd/

- most efficient water and nutrient delivery system for growing crops. (Efficiency-98%)
- drips water to individual plant root zones at low rates (2.25l/hr) from emitters embedded in small-diameter plastic pipes.
- higher yields, saves the time and cost of irrigation and applying fertilizers
- increases the income of farmers because it ensures early harvesting and the cost of production.
- Cost: NPR. 3000 ($23)

High-value trees

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https://www.inforse.org/evd/

- mango, litchi, and Ashoka
- distributed among the 110 households
- Encourage healthy food consumption and greenery
- encourages the community members to have a joint venture of high-value fruits in the future.
- Cost: NRS. 100 ($1)

Induction stove

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https://www.inforse.org/evd/

- electrical cooking solution
- cost-efficient and user-friendly device
- tackles the growing shortage of LPG (liquefied petroleum gas) and fuelwood.
- serves as a climate change mitigation solution as it emits zero carbon and smoke.
- Company: CG
- Cost: NPR. 9000 ($70)
- Community contribution: 50%

Vermicompost

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https://www.inforse.org/evd/

- **contain a higher percentage of NPK than the garden compost**
- **restores soil nutrients, stabilizes soil, and enhances soil fertility**
- **profitable enterprise as a circular economy.**
- **reduces the need for chemical fertilizers and decreases the amount of waste going to landfills**
- **Cost- NRs. 1500/ Kg**

Bio-pesticide

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- ‘Jholmal’
- economically viable option for farmers to protect agricultural crops from pest and disease attacks.
- easily prepared from locally available resources

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https://www.inforse.org/evd/

Matribhumi Improved Cook Stove

Rain Water Harvesting

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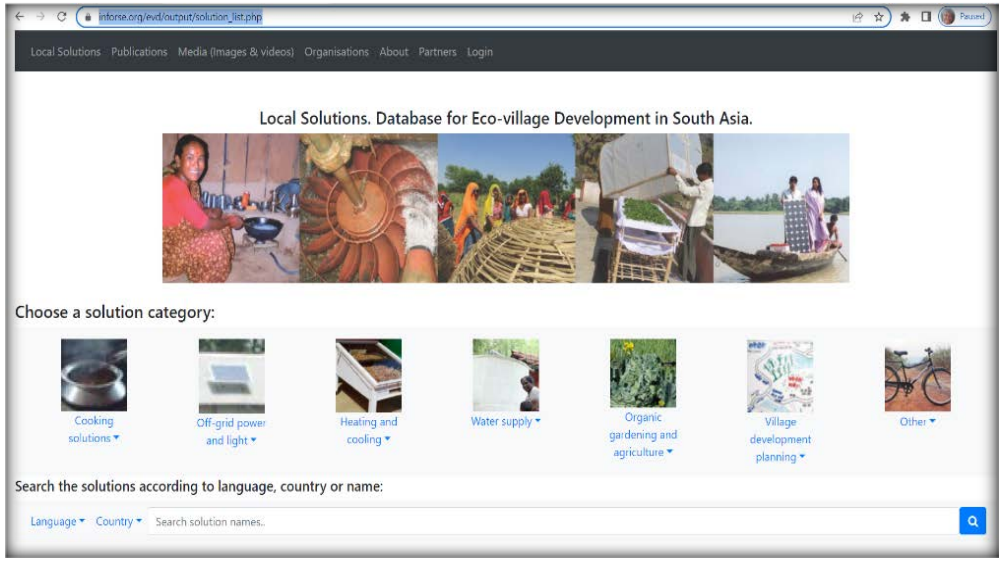
Improved water mill

Solar Dryer

Information dissemination to Stakeholders

Thank You!



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The EVD local solutions in the database will also be shared to the relevant stakeholders and local government for future collaboration and their replication.

They can view all the information about the EVD solutions in the website