

## Innovation by a Farmer

Innovator: Narhari Sharma Adhikari

Innovation: Bamboo Sprinkler

Place of Innovation: Ward No. 4, Panchakanya VDC, Ilam.

Brief Summary: The innovation was made twenty years back in around 1986. It was developed to irrigate vegetables in dry season when no plastic or metal sprinklers were available. The idea of innovation came from the whirling bamboo (phirphire).



Benefits:

Saves time & it is not always necessary to change the place of sprinkler

Materials Used:

- 1) Polythene pipe,
- 2 ) Rope,
- 3) Three bamboo pieces of about finger size with nodes at both the ends



Procedure:

1. Take a finger sized bamboo with nodes at both the end
2. Pierce three holes, two in distal end and one in

the centre

3. Collect two other bamboo pieces with no nodes in its either part
4. Join one of this bamboo pieces with the piece mentioned in step 1 & 2.
5. This will create "T" shaped structure
6. Now join the two other bamboo pieces with the obtained "T" shaped piece.
7. Lastly join them to the polythene pipe.



## Funding Agency

PROLINNOVA Nepal Programme is partially funded by the Directorate General for International Cooperation (DGIS), The Netherlands. The country partner organizations also contribute part of the resources required for implementation of the project activities.

### PROLINNOVA Nepal Programme Country Partners

The following five country partners are implementing the PROLINNOVA Nepal Programme in Nepal:



CARE Nepal



Ecological Service Centre (Ecoscentre)



Institute of Agriculture and Animal Science (IAAS)



Local Initiatives for Biodiversity,  
Research and Development (LI-BIRD)



Practical Action Nepal

### For Further Information

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# PROLINNOVA NEPAL PROGRAMME

## What is PROLINNOVA ?

PROLINNOVA (PROmoting Local INNOVation) is an international initiative active in nine countries, amongst them Nepal. It provides a platform for global learning. The focus is on recognizing and building on the dynamics of local knowledge and innovation.



Farmer of Chitwan district Mr. Roman Neupane has come up with Electric Thresher-cum puddling/planking Machine

## Features of PROLINNOVA Nepal Programme

The whole programme is centered at promoting farmers' local innovation. Recognising local knowledge and innovation, strengthening farmers and farming communities in promoting their innovation systems, and lobbying for conducive policy environment are the key features of the programme.

The other features of the PROLINNOVA Nepal Programme are:

- Locally-led programme development
- Demand-led capacity building
- Multi-partner approach to programme implementation
- Innovative funding mechanisms
- An interactive learning network
- NGO facilitation

## Can Farmer become Researcher/Innovator ?

Farming started with hunters innovating ways of cultivating crops and rearing livestock. Since then farmers have been continuously researching and innovating new and better ways of food production, processing and distribution. The current farming practices throughout the world continue to be dominated by innovations resulting from such farmers' Research & Innovation. Farmers' Research & Innovation is integral part of farming and play vital role in their livelihood security in the changing farming environment. PROLINNOVA Nepal Programme recognizes farmers' and artisans' local knowledge & innovation and helps strengthen their capacity to capitalize these knowledge and innovation.

## Why PROLINNOVA?

The overall objective of the PROLINNOVA Nepal programme is to develop and institutionalize partnership and methodologies that promote processes of local innovation in environmentally sound use of natural resources, particularly in dry and marginal areas, for example in rainfed agriculture, low input farming, sloping and shifting land cultivation, pastoralism, and biodiversity

and forest management. The current innovation systems are largely oriented to modern technologies and formal Research and Development institutions often lead to gradual loss of local knowledge and innovations. PROLINNOVA Nepal Programme is committed to support farmers and farming communities in the promotion of their knowledge and innovation in order to enhance their food security, sustain their livelihood and safeguard the environment.



Farmer of Kaski district Mr. Lila Nath Dhakal with his innovation, the Fruit Juice Extractor

## Who can participate and benefit from PROLINNOVA Nepal Programme ?

Individuals/organizations interested and committed to the promotion of local innovation can participate and benefit from the programme. Local innovators, farmers, formal and non-formal Research and Development Institutions, Community-Based Organisations (CBOs), Government and Non Governmental Organisations (NGOs), field-based development workers, institutions of higher learning and policy makers are the major beneficiaries of the programme.

## How is PROLINNOVA Nepal Programme managed ?

The PROLINNOVA Nepal Programme is coordinated by Local Initiatives for Biodiversity,

Research and Development (LI-BIRD), a Nepal based NGO. LI-BIRD acts as Country Secretariat Office (CSO) with its Executive Director as Country Programme Co-ordinator (PC). A National Steering Committee (NSC), comprising of senior level representatives from partner and relevant government organisations, is responsible for steering and overseeing the Country Programme. Similarly National Working Group (NWG), comprising of representatives from partner organizations at National Level; and Local Working Group (LWG), comprising of representative from farmers and farmers' groups at field level are responsible to co-ordinate field activities.

## How can you help in finding new Innovations ?

PROLINNOVA Nepal Programme takes this opportunity to request you to help us in locating and finding information about local innovations and innovators around you and send the details to our office at the address given at the back side of the brochure. All such contribution will be duly acknowledged.

## What information you could send to us

1. Name of the innovation & innovator (Person or Group or Institution)
2. Place of innovation (Location, VDC/Municipality and District)
3. Contact telephone; mailing address of the informant or innovator
4. History/ Brief Summary of the innovation
5. Use of the innovation(s)
6. Benefit/Advantage from the innovation
7. Materials used in the innovation
8. Procedure of developing the innovation (procedures)
9. Problems faced during innovation
10. Dissemination of Information
11. Cost of production (including labour and material)