Promoting roof top gardening as a potential adaptation option for Kathmandu’s climate change strategies

Status: Completed

Project Partner: Resource Centre on Urban Agriculture and Food Security (RUAF Foundation), the Netherlands, UN-Habitat, Kathmandu Metropolitan City Office

Project Area: Kathmandu Metropolitan City

Project Duration: 1st February 2013 - 30th January 2014

Aim:
To implement rooftop farming to 150 households through intensive trainings on rooftop farming techniques, regular field visits by the field technicians

Project Description:
Kathmandu Metropolitan City (KMC), ENPHO, UN Habitats and ISET-N have promoted productive rooftops (coupled to harvesting rainwater and recycling organic household waste) among 150 households from low and middle-income strata of the population. Promotion of rooftop farming is currently limited due to the scarcity of water, limited technical knowledge on appropriate farming techniques and limited supply of seeds and saplings.

Project Outputs:
- 139 rooftop gardens have been cultivated in various locations of KMC.
- Most of all rooftop gardening households have recycled their organic waste and used their waste water by adopting water management techniques such as grey water reused and household rain water harvesting system for use in their rooftop backyard gardens.
- 139 rooftop gardening households as well as other interested households have accessed to improved services, outlets and markets. Universal Agrotech, Central Horticulture Center and Praramva Biotech, Kumary Nursery and different agro vets are few of the links that the project linked during the project period.
- Few of rooftop gardening households have increased their income and diversified their income/livelihood options.
- Project beneficiaries, local and national Policy makers and planners have discussed the potential role that UPAF in general and space intensive and semi commercial rooftop garden production in particular can play in climate change adaptation and mitigation and will make proposals to integrate it on climate change programmes and other sectoral policies and plans.

**Beneficiaries**
- 150 HHs from three communities Chamati, Subidhanagar and Bishnumati Corridor within Kathmandu Metropolitan City

**Project Achievement:**
- KMC has developed a Draft of policy paper on Roof Top Farming named Integration of Urban Agriculture into broader city-wide plans/processes in Kathmandu.
- Roof top Farming Training Manual has developed and launched at the Roof Top Farming Mela by Honorable Mr. Prakash Man Singh, Deputy Prime Minister and Local Development Minister.
- The project is successful to get linked with the another project named Trash Out-the winner of the Outstanding Social Innovation at the Hansen Summer Institute Social Entrepreneurship Workshop in July 2013 held at the San Diego State University Lavin Entrepreneurship Center, USA