Promote safe and productive use of (solid and liquid) waste for food production around urban areas in Surkhet

**Status: Ongoing**

**Project Partner:** Resource Centre on Urban Agriculture and Food Security (RUAF Foundation), the Netherlands

**Project Area:** Birendranagar Municipality and Kunathari VDC, Surkhet

**Project Duration:** March 2016 - December 2016

**Aim:**
To promote safe and productive use of (solid and liquid) wastes for food production

**Project Description:**
This project is developed for implementation of WASH programme on productive reuse in urban settlements and peri-urban areas of Surkhet District. For the productive reuse, a transition scenario of Surkhet with focus on urban region to WASH and food security that also includes re-use. Analysis and development of re-use component such as amount, quality, price of water and nutrients and potential users, urban or rural farmers and cost benefit was conducted for the sanitation systems with re-use aspect. Also, monitoring protocol with indicators on nutrients, water, agricultural production and income generation will also be developed based on FIETS framework of WASH and linked with WASH PME framework.

**Project Outputs:**
- Capacity building of local stakeholders including JTA student on productive reuse and urine application research with different vegetables
- Developing system and Urine Application Curriculum for agricultural school
- Participatory research with standard with selected urban, peri-urban and rural farmers.
- Design, adaptation and validation of re-use component to existing and new sanitation systems
- Training to support to develop faecal sludge management plan and revision of MWASH plan with incorporation of productive reuse
Promotion of Kitchen Gardening and Roof Top Farming

**Project Achievements:**
- Community has been selected for urban agriculture
- Baseline survey on household waste was conducted at 3 communities within Birendranagar municipality
- Training on SWM and urban agriculture has been organized for selected communities.
- Two JTA schools selected to conduct research on urine application in agriculture
- One workshop organized to JTA teachers on urine application and to develop curriculum on JTA course.
- Two orientation classes have been conducted for JTA students.

**Beneficiaries:**
- 950 people