



WELCOME



Ministry of Federal Affairs and Local Development

Department of Local Infrastructure Development and Agricultural Roads

Rural Village Water Resources Management Project

**Strengthening user committees and generating
income opportunity for sustainability of the MUS
at rural level**

International MUS Conference

25-26 February 2016

Kathmandu

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Presentation Outline

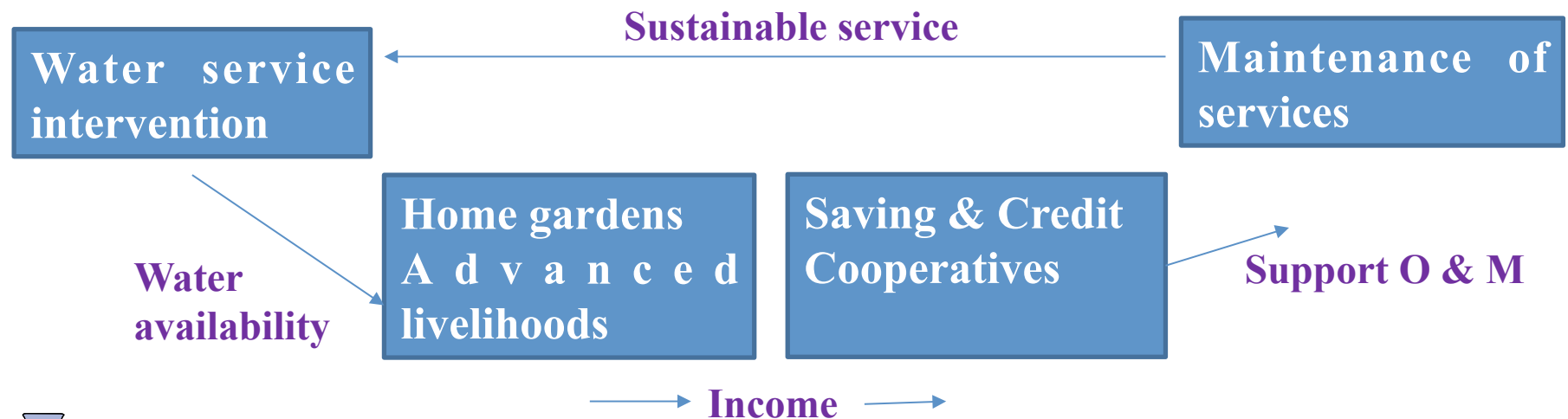
- **RVWRMP Introduction in Brief**
- **MUS and Livelihood**
- **Dada MUS in brief**
- **Achievement so Far (Findings)**
- **Result Chain towards Sustainability**
- **Key Element for MUS Sustainability and RVWRMP Intervention**
- **How MUS UC/Users Contributes to Sustainability**
- **Learning and Recommendation**

Rural Village Water Resources Management Project (RVWRMP), Nepal

Main activities:

- **Rural Water Supply and sanitation**
- **Community based irrigation**
- **Micro Hydro power, Improved cooking stoves, Improved water mills**
- **Multi Use System Application**
- **Environmental activities, climate change adaptation**
- **Livelihood activities, food security and nutrition**
- **Institutional capacity building**
- **WUMP – Water Use Management Plans & Step-by-Step process**
- **Water Safety Plans**
- **HRBA & GESI guidelines – Human Rights, Gender and Social Inclusion**

RVWRMP, a bilateral project financed by the Governments of Finland and Nepal, in remote mid and far west Nepal, is working in integrated water resources management , with the Water Use Master Plan (WUMP) as a planning tool/ process. The Multi Use Water Services (MUS) with water supply is the priority intervention since 2007





Multiple Use Systems & Livelihood Activities

- If insufficient water available, priority is domestic water use
- Kitchen/dishwashing/run-off water can be used for simple drip irrigation systems -> improved nutrition
- If sufficient water – planning for irrigation use (small scale) or micro-hydro in a MUS – needs discussion of access & tariffs
- If close enough access to markets -> commercial production may be possible
- Cooperatives support for financial links & marketing



Dada Multi Use System, Darchula, Nepal in brief

- **23 total Beneficiary Households**
- **Total water capacity is 0.5 LPS**
- **Used in Drinking water 0.08 LPS**
- **Used in Irrigation 0.4 LPS**
- **Total irrigated land is 120 Ropani**
- **Total cost of the scheme is NRs. 2,612,177**
- **Users Contribution is NRs 940,000 including 43,000 in cash**
- **Date of Construction completion-October 2014**

Achievements so far (findings)

- **100% Households started on/off season cash crops (Tomato, potato, beans, cucumber,)**
- **Organic production**
- **100% households maintained home gardens**
- **Changed food habit (inclusion of fresh vegetable)**



Achievements so far (findings)

- **Access to the agriculture and market service centers**
- **Increased household income by average NRs. 115,000**
- **O&M plan, regulations, and WSP in place**



Achievement So Far (findings)

- **Users contribute to the operation and maintenance fund NRs 40/HH/month**
- **Total Operation and maintenance fund NRs. 46,750**
- **Records and book keeping maintained**
- **Good Governance in UC/Users**



RVWRMP II
Nepal-Finland Cooperation

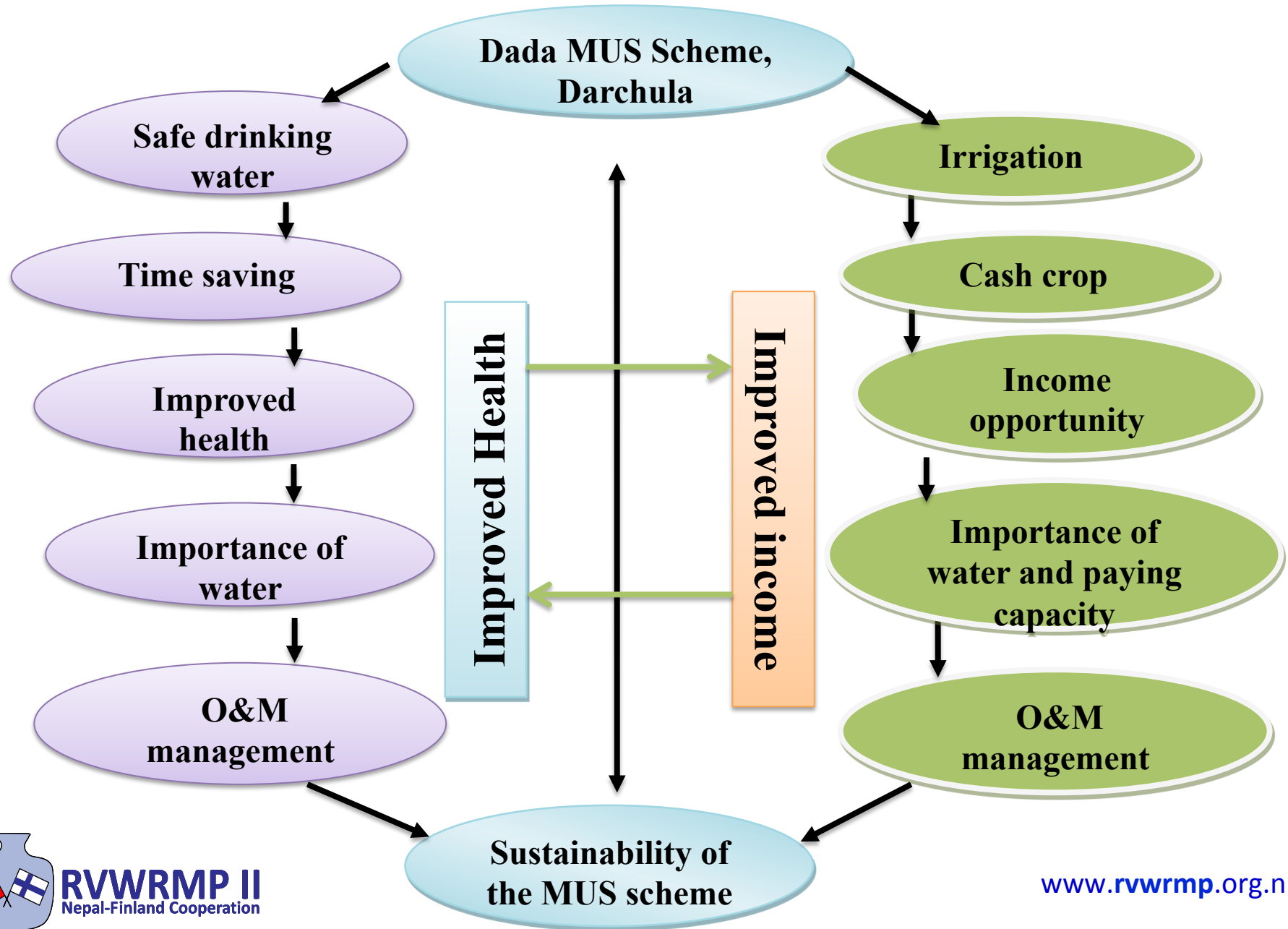
www.rvwrmp.org.np

Achievement So Far (findings)

- **Village maintenance worker salary paid regularly NRs. 500**
- **Maintained 24 hour water services**
- **Local employment and income opportunities generated**
- **Seasonal migration reduced by > 90%**



Result chain towards sustainability of Dada MUS



Key elements for success & sustainability of MUS and RVWRMP Interventions

- **Prioritisation of schemes by the community (WUMP)**
- **Improved MUS institutions at community level, leading to good governance (female tap group, VMW)**
- **Development and application of workable Operation and Maintenance systems, Water tariff and WSP**
- **Incorporating design innovations (water quality, quality construction and sustainability)**

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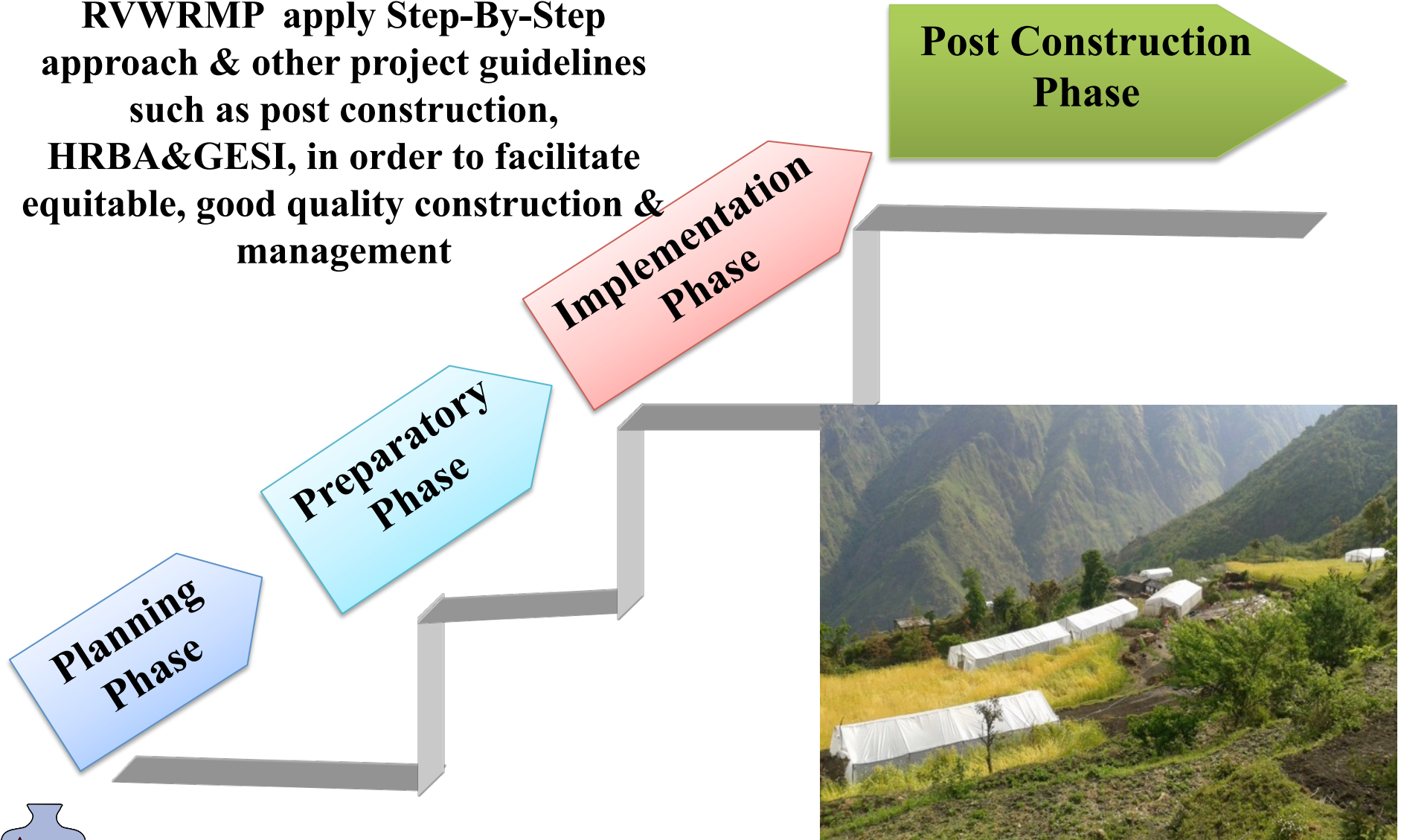
Key elements for success & sustainability of MUS and RVWRMP Interventions

- **Linkages to livelihoods activities and cooperatives, to ensure financial sustainability**
- **Consideration of rights and inclusion**
- **Coherent planning and implementation (VDC and district authority systems)**
- **Capacity building of the UC/Users and stakeholders**
- **Technical support and monitoring on-site**

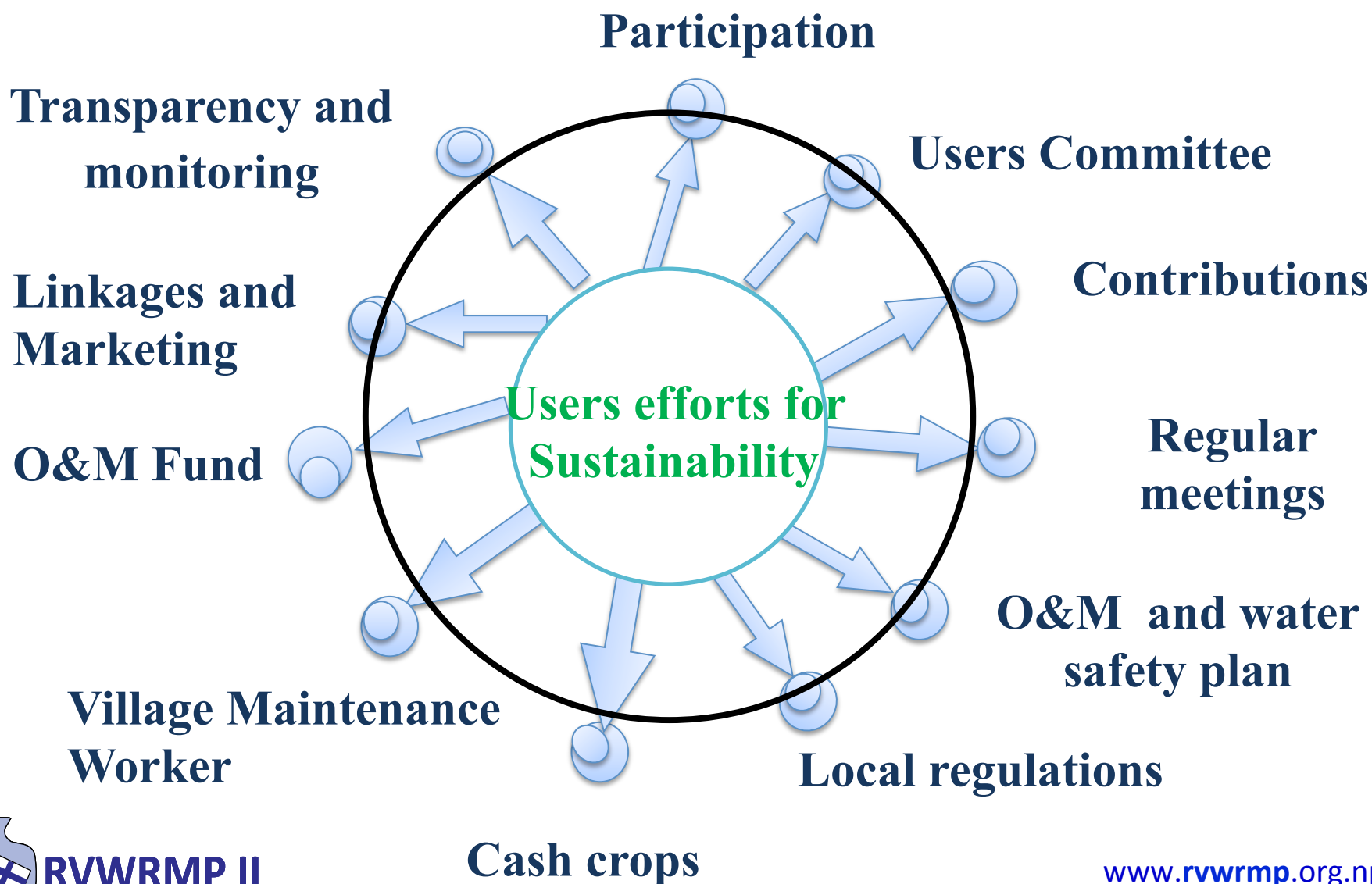


RVWRMP Working Approach to support MUS sustainability

RVWRMP apply Step-By-Step approach & other project guidelines such as post construction, HRBA&GESI, in order to facilitate equitable, good quality construction & management



How MUS UC/Users' contribute to sustainability



Learning and recommendations

- **Generating income improves sustainability of Water Scheme**
- **MUS link creates interest, ownership & ability to pay O&M**
- **Step by step approach is important to ensure participation, transparency, good governance & quality construction**
- **Post construction support and User's Capacity building**
- **Trained VMW is the key for sustainability of the MUS**
- **Community action plan for O&M management and ownership**
- **Livelihood support package for the VMW**



खानेपानी तथा सरसफाई उपभोक्ता समिति

मासिक मर्मत सम्भार कोष तथा पानी शुल्क भूतानी कार्ड

उपभोक्ताको नाम: तारसिंह विष्ट

ठेगाना (टोल): चौधरी

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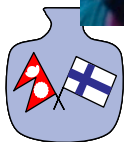
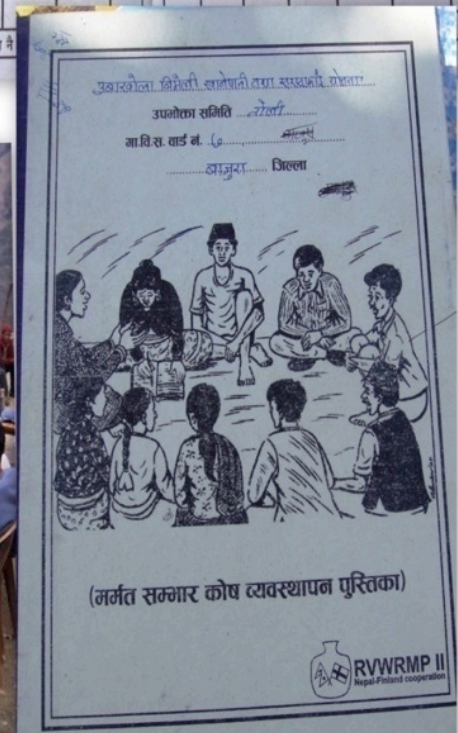
घर नं.: २६

धारा समुह अध्यक्षको नाम: असमती विष्ट

सफा धारा सुरक्षित पानी

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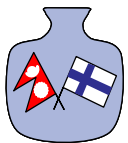


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Thank you



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