GLOBAL LEARNING AND EVIDENCE EXCHANGE

CLIMATE-SMART AGRICULTURE

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Multiple Use Water Systems/Services (MUS)

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MULTIPLE USE WATER SYSTEMS (MUS)

iDE with USAID, DFID, EU and other support has developed 300 MUS in Nepal, serving 60,000+ people.

MUS are piped systems designed to supply water for both domestic and productive needs.

- Drinking water, irrigation, hydropower, etc. are generally regulated/invested in separately.
- Multiple use of water is normal; “MUS by design” reduces community conflict from competing uses.
• IWMI conducted a random sample survey of MUS 7-10 years old and found 85% of MUS fully functional and economically sustainable (with benefit: cost of 11:1 from agricultural income alone)
• Communities invest in-kind, cash, microfinance
• Payback period is less than one year
• Benefits: WASH, reduces women/girls’ labor, improves nutrition
• CSA: 1) earn income from reliable source; 2) enables efficient micro-irrigation; 3) nutrition/income throughout the year
• Highest returns come from linking MUS to high-value agricultural value chains
• Collection centers (CC) are output markets for MUS; MUS improve profitability by increasing production
• FTF India: ENBAITA is supporting last-mile supply chains to meet technological needs of MUS farmers in Nepal
• iDE Nepal co-organized the International MUS Workshop in 2016 to focused on adaptation for institutionalization and scaling
• Nepal MUS Network coordinate bringing the approach to scale
• GoN working with iDE to develop MUS guidelines

• More info: http://www.idenepal.org/what/mus.html
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