



# Progress of IFAD-NUS3 Project in Nepal

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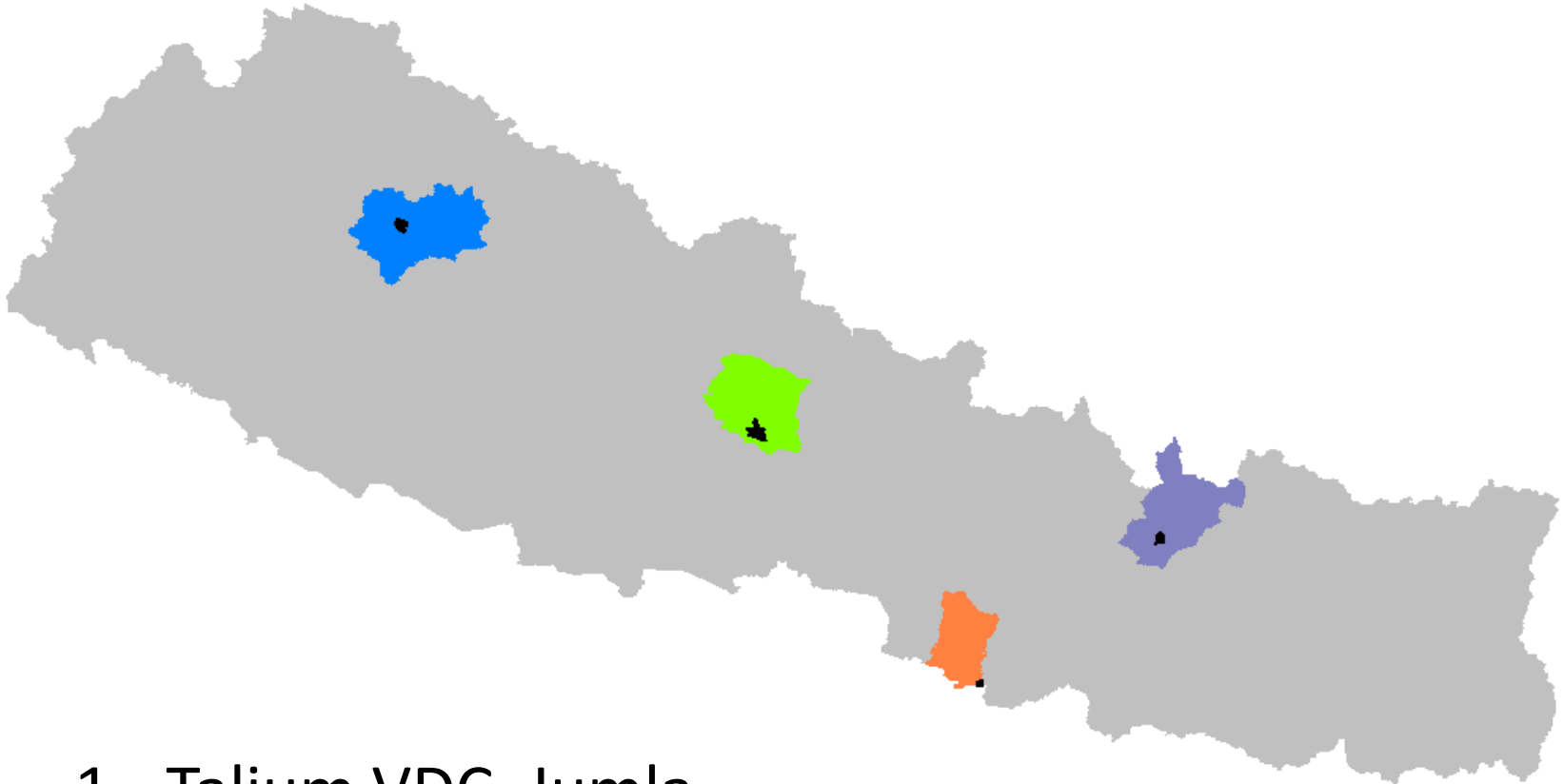


# Outline



- Project Brief
- Major Outputs (linking with project objectives)
- Progress so far

# Project Sites



1. Talium VDC, Jumla
2. Pokhara and surrounding villages, Kaski
3. Kachorwa VDC, Bara
4. Namdu VDC, Dolakha

# Implementing Partners

- NARS
  - Hill Crops Research Programme (Dolakha)
  - National Genebank
- CSOs:
  - Network for Agrobio. Conservation (NABIC)
  - Bioresource Conservation Movement, Begnas, Kaski
  - Agriculture Development and Conservation Society (ADCS), Bara
  - BCDC, Namdu, Dolakha and Talium Jumla
- Local stakeholders:
  - Lekhnath Municipality, DADOs, business actors, schools Anamolbiu Pvt. Ltd.
- Bioversity Intl, MSSRF, Proinpa, IFAD

# Project Objectives, Target & Progress

## Objective 1

Test new methods & tools for on farm conservation

- PACS tested
- Custodian farmers' network mobilized
- Use enhancement

Target

- PACS Piloted through CBM fund,
- Included mechanism in institutional policy of CBM project (20% of interest for local seed purchase)
- Custodian farmer is being defined, Organized National Level custodian Farmers Workshop,
- Participatory Seed Exchange
- Research on Amaranth

Progress



**Strengthening the role of custodian farmers in the national conservation programme of Nepal**

Sujal Shrestha, Gernot Meidrum, Stefano Padellaro and Nadia Borgognini, Editors  
Proceedings from the National Workshop  
31 July to 2 August 2013, Pokhara, Nepal



# Project Objectives, Target & Progress

## Research on Amaranth

- Started from 2013
- 435 accessions collected from different parts of country
- Field testing is carried out with 285 acc on three different locations viz. Kaski, Jumla and Dolakha
- Characterization is done (paper is in Progress)
- Variety Screening process is going on
- Other associated research (e.g DoS, Fertilizer trial) are also in progress
- Variety release/registration from formal system will be done on next year



# Project Objectives, Target & Progress

## Objective 2

Monitoring of  
diversity on-farm

- CBR method refined
- Five Cell Analysis tested
- CSBs strengthened
- Red listing of Agrobiodiversity tested

Target

- Diversity fair and CBR on NUS in Bara and Dolakha
- Infrastructure support for CSB in Jumla and other CSBs established through other projects
- CSB network established and work in progress to link with National Genebank
- CBR format revision and in the process of testing and adoption in DADOs of WDR and CCCR project (donor)
- Five Cell Analysis is tested in Namdu and Begnas, and varieties are rehabilitated (e.g White Rayo in Namdu)

Progress

# Project Objectives, Target & Progress

## Objective 3

Promote complementary conservation agenda in national programmes

- Create policy and government support for on-farm conservation
- *Ex situ* and *in situ* linkages

Target

- CSB Workshop organized
- Genebank + CSB linkage initiated
- Joint Agreement for Agrobiodiversity Conservation Area in Begnas signed and implemented

Progress

## Objective 4

Findings to guide research on climate change and its impact to local production systems

- Enhanced understanding of distribution of NUS diversity and traditional knowledge

Target

- Paper by Gennifer (Climate Change, is in progress)
- Support on some adaptation work in Namdu (e.g Irrigation Pond)

Progress



# Project Objectives, Target & Progress

## CSB-Genebank Linkage

- 15 community seed banks from 12 districts transferred 916 local varieties of 62 crop species to the National Gene Bank
- Chief of the National Gene Bank, received seed samples along with passport data
- National Genebank will use CSBs and Farmers field as field bank with safety Duplication
- All the process is governed through CSB network

More at:

[http://libird.org/app/news/view.aspx?record\\_id=19](http://libird.org/app/news/view.aspx?record_id=19)



# Other Initiatives

- Biodiversity Information Center in Begnas, Kaski
- Agro-biodiversity Area (with local municipality)
- Plastic Pond in Namdu
- Sahar Fish Breeding Center in Rupa lake
- Threshing Machine (with high amount of community investment)
- Resource Leverage (Multi-stakeholder approach, e.g DADO and VDC Support)

# Publications

**20**

## Himalayan Superfoods

Collaborating for Research and Promotion of Himalayan Crops in Nepal

**20**

## Strengthening the role of custodian farmers in the national conservation programme of Nepal

**Sajal Shrestha, Gomeri Meheram, Stefano Padellaro and Nadia Borgogna, Editors**  
 Proceedings from the National Workshop  
 31 July to 2 August 2015, Pokhara, Nepal

## COMMUNITY SEED BANKS IN NEPAL

PAST, PRESENT, FUTURE

Proceedings of a National Workshop, 14-15 June 2012, Pokhara, Nepal

**Pilambar Shrestha, Ronnie Vernooy and Pashupati Chaudhary, Editors**

**20**

## सामुदायिक बीउ बैंक

हो / त्यहाँ पनि हामीले जस्तै आफ्नो गाउँमा भएरै सामुदायिक बीउ बैंकमा नई मिश्रण सहित सगरीभन्दा अझ राम्रो बालुआको बीउ बिक्री गर्न सकिने विचार अझै अगाडि ल्याउनु पर्ने देखियो ।

# More to come



- Small millets in the Chepang Community of Nepal
- Market of grain amaranth in Doti, Nepal
- Scope of promotion of amaranth as a leafy vegetable in Jumla, Nepal
- Farmers' descriptor for amaranth
- Amaranth Diversity in Nepal
- Effect of Planting dates on vegetable production of Amaranth in Pokhara Nepal
- Red listing of crops using Five Cell Analysis



# Thank You

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