

Scanning and Data Extraction

from Crop Collecting Mission Documents

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Bioversity supported more than 560 crop **collecting missions** since 1976, which harvested a total of 221.077 germplasm samples that were subject to severe and acute threats of genetic erosion, documenting 4300 species in 137 countries, safely stored in genebanks to remain available to users worldwide.

REPORT

During May and June 1979 an IEPCR wheat and barley collecting expeditio alertaken in the Mid-Hills of the West of Nepal at altitudes between 700

and 2 400 m. A total of 85 local wheat accessions and 88 local barley accession

in the area. However the erosion of local wheat germplasm was severe. dations for the future collection of wheat at higher altitudes are made

A high priority has been given to the collection of wheat a germplasm by the IBPCR global and South Asian regional genetic res(ACPE: IEPCR/78/17). A broad spectrum of variability in both crop the Hills of Nepal, where several previous collections of cereals

The Central Region has been explored (Takahashi, 1968) as have the Dudh Kosi river systems in Eastern Nepal (Mitcombe, 1972 and 1974) the National Wheat Development Program of His Majesty's Government Nepal has collected in Mustang District (Figure 1). However with exception these has been no exploration of wheat and barley within

Over the past decade the National Wheat Development Progr inks with Centro Internacional de Mejoramiento de Maís y Trigo

s released some wheat varieties that are very popular with hill their high yielding capacity. Since the new varieties are rap

he land races of wheat it was felt both necessary and timely to ermplasm in the unexplored areas with particular emphasis on the

AREAS AND ROUT

The are map (Figure 1)

The ma;

vers collected from 90 villages. There was no genetic erosion of barley occuring

The project

The goal of an ongoing project, "Collective Action for the Rehabilitation of Global Public Goods in the CGIAR Genetic Resources System" phase 2 (GPG2), funded by

the World Bank, is to ensure the quality, security, accessibility, and sustainability of the public crop collections, including information systems.

The story

Awish etty 445684 10 445687. Bordeum vulgare L. (Poaceae) Barley.

From Nepal. Collected by W. Erskine, J. Bourgois, P. Shrestha, International Board for Plant Genetic

445684. 134A. FAO. 51.867. Collected June 03, 1979. Knabang, Rukum, Rapati. Lat. 28 deg. 32'N, Long. 82 deg. 43'E. 1700m. Naked and covered, 6-row type. Winter annual.

ollection, Beltsville, MD,

Collected June 16, 1979. 28 deg. 32'N, Long. 83 deg.

. Winter annual. Cultivated.

Farm or cultivated hab

1976-06-15

ANM 451

FAO, Via delle Terme di

atory, Ft. Collins, CO.

Resources, FAO, Rome, Italy. Received November 1979.

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Province: Kamali

Part of the accessions stored



in the CGIAR genebanks was collected during Bioversity supported collecting missions. Information on these missions is

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accessible through the System-wide Information Network for Genetic Resources

(SINGER, http://www.singer.cgiar.org/) that contains summary information on the species collected and on where the samples have been sent for long-term conservation.

Valuable additional information, called "passport data" (such as site information, collecting source, etc.), is recorded in mission reports and

collecting forms in paper format, which restricts access to these sources.

The outcome

Accessibility and usability of crop collections requires that detailed data is available to the users. As the information is

currently at species level only, passport data is being extracted and transferred from collecting mission documents to a sample level database.

Activities include:

• Scanning of Bioversity's collecting mission reports, collecting forms, and



related documents;

⇒ Mission documents of 109
collecting missions scanned

Storing of scanned reports into a

safe document repository with metadata;

⇒ pdf-repository of 109 mission reports created



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Further information: Hannes Gaisberger h.gaisberger@cgiar.org Extraction of passport information and input on sample level data in the Collecting Mission Database;

- ⇒ Passport Information of 5400 samples (from 21 collecting missions) extracted and integrated
- Integration of corresponding records in SINGER.

The new data extracted from the mission documents will be used to develop a method to assess gaps in diversity conserved due to loss of samples.