

# Development of People's Biodiversity Register in selected gram panchayat of Kullu district, Himachal Pradesh

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**Presentation by** 

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## Rationale



✓ The term Biodiversity is globally recognised as a corner stone of a healthy ecosystem.

✓ India, a mega bio-diverse country of the world is a land of Biological and Cultural diversity.

- ✓ NBA is working on the development of PBR through out the India for the mainstreaming and maintaining of bio resources and sustainable use of it.
- ✓ The state Himachal Pradesh is also known for the representative, natural, unique and socio-economically important biodiversity.
- ✓ The people of Himachal Pradesh is continue to depend on natural bio resources at varying scales and aspect.
- ✓ The diverse and large traditional and ethnic knowledge of the inhabitants of Kullu is passed from one generation to another.
- ✓ Hence, the notion behind the documentation of this undocumented indigenous and associated wealth of the communities is necessary for sustainable utilization and conservation of biodiversity towards a healthy future.



# **Objectives**

- ✓ To document the biodiversity components such as plants, animals, microbes, insects and their possible use by the local communities in the selected BMC
- ✓ To document topographic and socio economic features of the selected BMCs with special emphasis on human population, climate, topography, natural ecosystems, livestock resources, livelihood patterns etc.
- ✓ To documentation the traditional knowledge and accurate information about the BMC, ecosystem and its natural resources
- $\checkmark$  To facilitate and engage the trained youth in developing BMC
- ✓ To develop the reports on the program using the suitable selfmonitoring and evaluation tools



## **Study Area**

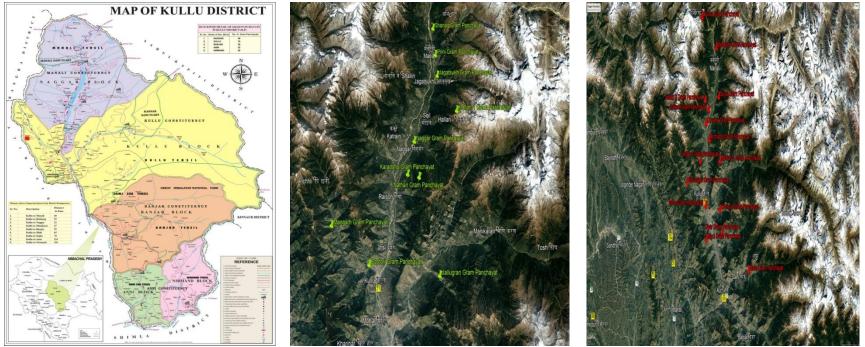


Fig. 1

Fig. 2

Fig. 1. Gram Panchayats surveyed: Naggar, Nathan, Bastori, Karadshu, Jallugran, Mangarh, Jagatsukh, Prini, Halan 1 and Shanag

Fig. 2. Gram Panchayats to be surveyed: Burwa, Vashisth, Soyal, Halan 2, Katrain, Duwara, Archchandi, Jindour, Bhallan 2, Shilirajgiri, Mohal, Cheinur, Diyar, Niyul and Raila



# Methodology

- ✓ Field survey of panchayats was done and Interactions was made with the Biodiversity Management Committees (BMCs), Patwari, Gram Panchayat Pradhan, Vaidhyas and others
   ✓ Data collection-standard formats
- ✓ Collection of samples of the species
  ✓ Identification of the species with local and regional flora
- $\checkmark$  Analysis and validation of data
- ✓ Computation of information
- ✓ Preparation of People's Biodiversity Register (PBR)



## Achievements

#### Map and demographic profile

#### Wild Biodiversity

- ightarrow Forest types
- ightarrow Habitats
- ightarrow Plants diversity
- ightarrow Animal diversity
- → Medicinal plants diversity
- ightarrow Wild plant diversity
- ightarrow Fodder plants
- ightarrow Fuel plants
- ightarrow Timber plants
- ightarrow Fiber plants
- → Religious plants

#### **Domesticated Biodiversity**

- → Plants diversity
  - → Agricultural crop diversity
  - $\rightarrow$  Horticultural crop diversity
  - $\rightarrow$  Ornamental plants diversity
  - → Religious plants
- → Animal diversity (Mammals & Birds)
- → Cultivated Medicinal plants diversity

### **General View of the villages**





Halan 1

Kullu









Bastori

Nashala

Padei

Jallugran



#### **Forest Types**



Cedrus deodara Forest



*Cedrus deodara-Pinus wallichiana* Forest



**Riverine Forest** 



*Cedrus deodara-Picea smthiana* Forest



**Mixed Forest** 

**Mixed Forest** 

## **Information generation-Standard format**





Bastori



Kradshu



Jallugran



Mangarh



**BMC Members, Jallugran** 



Nathan



BMC Members, Nathan



BMC Members, Naggar



BMC Members, Naggar



Halan 1

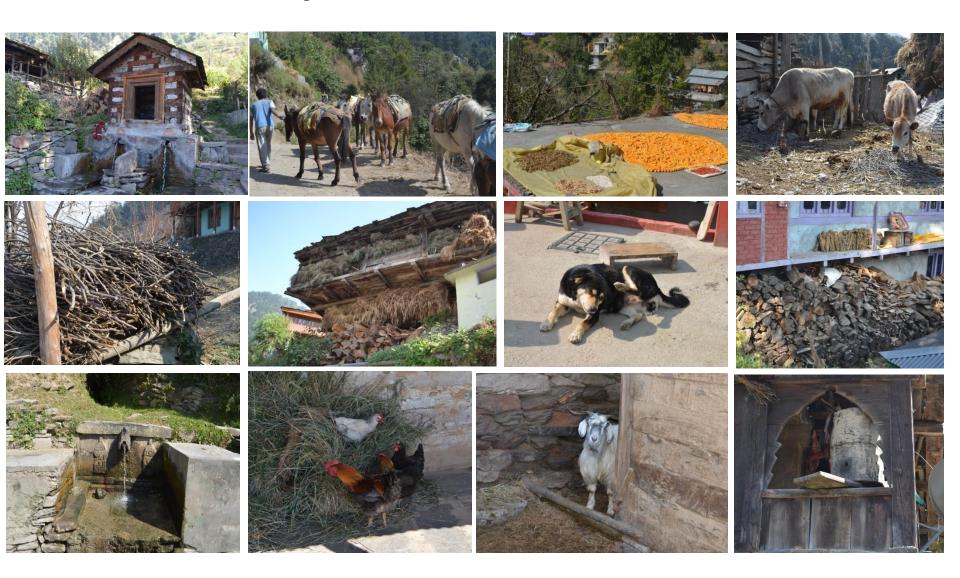


**Bastori** 

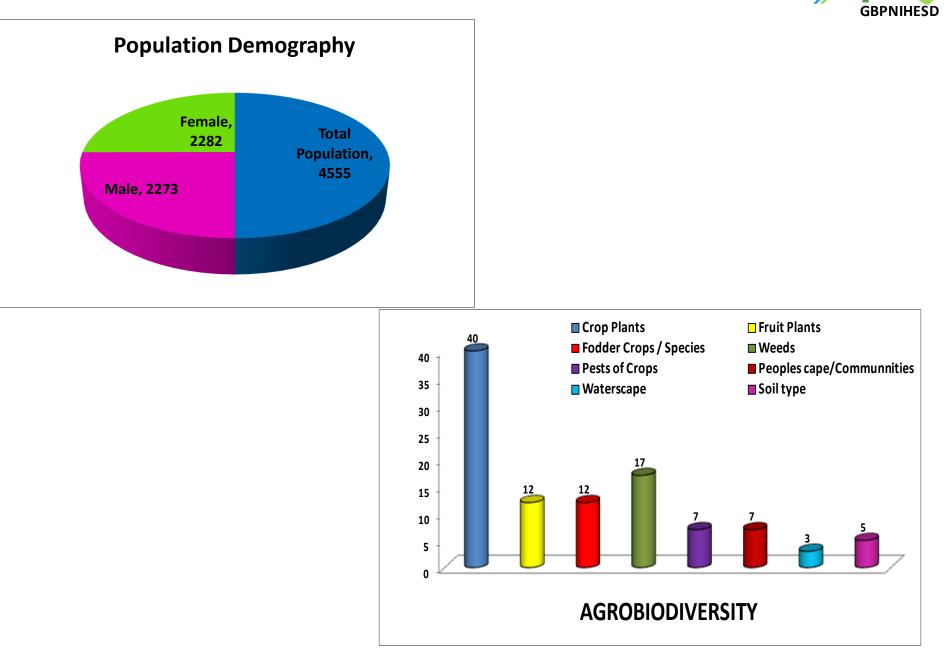
Jagatsukh



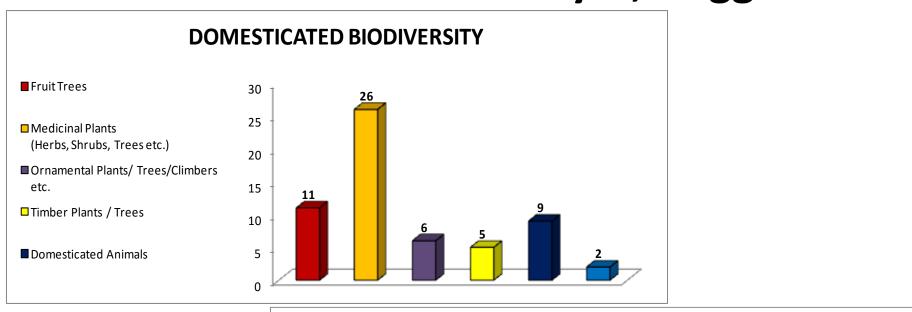
#### **Resource scape**

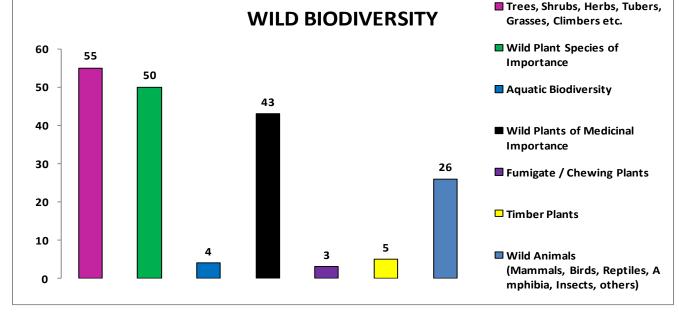


## Achievements: Gram Panchayat, Naggar



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GBPNIHESD

#### Possibilities for the modification of format



## **Budget details**



Total Gram Panchayats = 25 Budget received from Gram Panchayats= 23 (i.e. Rs. 11,50,000.00/- only)

Budget not received from Shilirajgiri and Vashisht



Thank you.....