

15 September,
2017

REGIONAL CONSULTATION WORKSHOP ON
MAINSTREAMING BIODIVERSITY: NBAP, NBTS
AND INDIA'S SIXTH NATIONAL REPORT TO CBD

STATE - HIMACHAL PRADESH

Participants

Presenter – S.S. Samant, GBPNIHESD

Facilitator: C. Thomson Jacob

P. L. Chauhan

B.S. Rana

Suresh Kumar Sharma

Avtar Kaur Sidhu

Ravinder Kumar

Pankj sharma

Madan Lal Panwar

Pankaj Palsara

M.L. Thakur

Rajiv Thakur

Ujjwal Deep Sharma

B.S. Guleria

D.R. Sharma

State – Facts about Himachal Pradesh

- One of the Largest state in the Himalayan region
- Flora – above 4000
- Faunal diversity – 5721
- Insects 4362
- Aves 550
- Rich in medicinal plant diversity (643 species)
- Threatened: Vultures, Musk deer, brown bears, Snow leopard,
- BMCs constituted – 387;
- PBR prepared - 6

Participating Institutions

- Forest Department
- G. B. Pant National Institute of Himalayan Environment and Sustainable Development
- Department of Agriculture
- Zoological Survey of India
- Planning Department
- Himachal State Biodiversity Board
- Department of Fisheries
- Department of Horticulture
- Department of Ayurveda
- Medicinal Plant Board
- Himachal Pradesh Council of Science, Technology and Environment
- Others – Universities, IHBT, HFRI, FSI, BSI, WII, IIT, NIT, CU, ICAR, NBPGR, Fisheries, Animal science, etc.,

NBAP Points Addressed and biodiversity related schemes and projects

- NBAP Action points attended – About 100

Biodiversity related projects/ activities:

- Cold desert biosphere Reserve project
- Ecotourism as a potential tool for biodiversity conservation and sustainable livelihood in the Indian Himalayan Region.
- Climate change impact on ecosystem services in the Indian Himalayan region
- Promoting conservation and sustainable utilization of Himalayan Biodiversity elements using biotechnological and physiological approaches.
- Conservation and management of pollinators for sustainable agriculture through ecosystem based approach.

Biodiversity related schemes and projects

- Population assessment, standardization of propagation protocols and establishment (ex-situ & in-situ) of selected species as a part of biodiversity conservation plan.
- Scientific research on changing climate and its impact on Floral diversity and ecosystem services (pollination) at Kullu region.
- National mission for sustaining Himalayan Ecosystem – Task force 3&5
- National mission on Himalayan studies
- Convergence of Traditional knowledge system for sustainable development in the Himalayan region.
- Community perceptions and vulnerability assessment of biodiversity in the selected sites of Kullu district, HP.
- Development of propagation protocols, multiplication and field evaluation of selected economically important plants in the Indian Himalaya.

Schemes/ Programmes

- Himalayan Ecosystem research project: assessment and quantification of forest ecosystem services with special emphasis on pollination in the Indian Himalayan agro-ecosystems.
- All Indian Coordinated research project of DBT on preventing extinction and improving Conservation status of threatened plants through applications of Biotechnological tools.
- Vulnerability assessment of mountain ecosystem due to climate change: Ecosystem structure and function.
- All India coordinated research project on Sacred grove Ecosystem services assessment
- Promoting pollinators using community based conservation approach.
- Constitution of BMCs and Preparation of PBRs.

Initiatives taken for achieving NBTs

Challenges

- Lack of Awareness among the stakeholders
- Non-Coordination among various organisations/Departments.
- State biodiversity action plan not prepared.
- State Biodiversity Rule is not in place.

Biodiversity related Challenges

- Invasive Alien species
- Climate Change
- Tourism
- Pollution
- Development projects
- Long time ecological monitoring