



## **G. B. Pant National Institute of Himalayan Environment**

Himachal Regional Centre, Mohal, Kullu - 175 126, Himachal Pradesh, India

### Proceedings of State Level Workshop **Network Development & Synergy Building for Establishment of Himalayan Knowledge Network (HKN) in the Himachal Pradesh State**

(September 25, 2020 at 2.30pm- 4.30pm in Conference Room, GBPNIHE, HRC, Kullu)

The Himachal Regional Centre of the Institute organized a State Level Workshop on “**Network Development & Synergy Building for Establishment of Himalayan Knowledge Network (HKN) in the Himachal Pradesh State**” through online/virtual mode (via Webex) on 25 September, 2020 from 2:30pm – 4:30pm under the project “**Himalayan Calling: Bridging Science, Policy and Practices to Foster Sustainable Development in the Indian Himalayan Region**”. The Scientists from the different Scientific Institutes and Professors from different universities of the Himachal Pradesh participated in this workshop. In the opening session of the programme, **Dr. Renu Lata**, Scientist- C welcomed all the participants and briefed them about the workshop. The Centre head of the Institute, **Er. Rakesh Kumar Singh** during his opening remark appreciated all the participants for their participation and contribution for the success of the event. **Er. R. K. Singh** mentioned that Himalaya is among the Biodiversity Hot Spot and highlighted the need of environment conservation and socio-economic development Himalayan natural resources. He explained the participants through PPT presentation about the topic “**Himalayan Knowledge Network - Bridging science, policy and practice to foster sustainable development in the Indian Himalayan region (IHR)**”. He also mentioned that there is a data deficiency regarding climate change and other important ecological factors of Indian Himalayan Region which will have to overcome through this HKN for betterment and sustainable development of IHR. After this Inputs & Recommendations were given by each Participants/Panelist on “**Identification and Prioritization of two thematic areas of the Himachal Pradesh state and role of departments/Institutions for preparation of thematic reports**” by Representatives of each Department/Institution. Thereafter there were discussion on the key points of the workshop:

- Identification of Network Partners & Synergy Building.
- Identification and Prioritization of thematic areas of the Himachal Pradesh state through stakeholder consultation.
- Identification of Institutions/Resource Persons for preparation of thematic document.
- Way forward on prioritized two major thematic areas.
- Any other as per domain of the workshop.

At first, **Dr. Pankaj Sharma** from H.P. State Biodiversity Board thanked Er. R.K.Singh for organizing this online workshop for the identification and prioritization of thematic areas of

the Himachal Pradesh state through stakeholder consultation. He briefed about various projects that were going on the state biodiversity board. Dr. Sharma empathized on the Biodiversity Conservation and Natural Resources Management as the two important thematic area of the Himachal Pradesh state.

Then **Dr Arnav Singh** from IIT Mandi thanked Er. R.K.Singh for organizing this workshop. He then explained various issues related to various thematic areas of the state and also briefed various projects that are going in IIT Mandi on plant biodiversity changes in high altitude of Himachal Pradesh and use of Artificial Intelligence, IOT and other technologies for the long term monitoring of biodiversity changes and environmental monitoring. He further empathized that various technology should be integrated with the environmental causes. He selected Biodiversity Conservation, Agriculture extension management and Soil Erosion and Landslide monitoring and planning as the main thematic areas.

After that the honourable **Representative from State Horticulture Department** in her speech introduced us with the various problems due to irregular rainfall and incredible increase of temperature which effect the productivity of fruits. She identified irrigation and scarcity of the water as the main problematic area. She selected Water Conservation, Land use planning and High-tech horticulture as the main thematic areas of the state.

Then **Dr. Surjit Singh Katoch** from NIT, Hamirpur in his speech thanked Er. R.K.Singh for organizing such an event. He stated that Water storage and Water Supplies, Rain Water Harvesting and Watershed Management should the most prioritize area as in near future entire country as well as Indian Himalayan Region is going to face the water scarcity.

After Dr. Katoch, **Dr. S.K. Sharma**, Director, Directorate of Agriculture, Himachal Pradesh, thanked G.B.Pant National Institute Himalayan Environment for providing this platform to discuss various issues of the state that should be prioritize for further work under this Himalayan Knowledge Network. He suggested that Rain Water Harvesting, Monitoring of wasteland and invasion of various alien weed species should be the main focused areas.

After that **Dr. Aparna Sharma**, Sr. Scientific Officer, Himachal Pradesh Council for Science, Technology and Environment (HIMCOSTE), Shimla in her valuable remarks introduced with the various S&T works of HIMCOSTE. She empathized on Water Conservation and Biodiversity Conservation as the two most important thematic areas. She also discussed the importance of glaciers conservation.

Then **Dr. Pardeep Sangla** from Central University of Himachal Pradesh in his speech thanked Er.R.K. Singh, Centre Head, GBPNIHE-HRC for the invitation to join this state level workshop. He suggested that Conservation of biodiversity and its protection, Wildlife conservation and protection, Water security and conservation, Traditional knowledge societies and their livelihood and Sustainable Himalayan Tourism should be prioritized through the stakeholders. He empathized that Biodiversity conservation and Water conservation should be the two main focused areas that are of utmost importance with Himalayan perspective.

Then, **Prof. H.P Sankhyan** from Dr. Y.S.Parmar University of Horticulture and Forestry discussed various issues related to forest and ecosystem conservation as well as environmental changes. He empathized on Plant biodiversity conservation and management should be the main thematic area.

In his speech, **Dr. M.K. Brahma** from Dr. Y.S.Parmar University of Horticulture and Forestry suggested that Urban Solid Waste Management and Biodiversity Conservation should be the two main focused areas.

After that **Dr. Sanjay Kumar Uniyal** from CSIR-Institute of Himalayan Bioresource Technology (IHBT), Palampur introduced various works of CSIR-IHBT in the area of Survey Mapping and Development of Plant databases and Bio-economic development. He further discussed about water scarcity and climate change. He also discussed about the traditional knowledge of various societies of IHR and their livelihood. He suggested that Climate Change, Biodiversity Conservation, Water and Traditional Knowledge systems should be the most important areas.

Then **Dr. K.C. Sharma**, Professor, CSKHP Agriculture University, Palampur, Himachal Pradesh discussed various issues related to the effects of climate change and water scarcity on agriculture. He suggested that Agri-entrepreneurship development, Climate Change and Water Management should be the main focused areas.

**Dr. Om Hari Chaturvedi** from ICAR-Central Sheep & Wool Research Institute (CSWRI), Garsa, Kullu in his speech empathized on livestock production and management for the better livelihood generation for the people of Himachal Pradesh. He suggested that Biodiversity Conservation and Livestock Management are the two major areas which should be prioritized.

**Sh. Neetu Kapoor**, Assistant Professor, Himachal Pradesh Technical University, Hamirpur, Himachal Pradesh in his speech discussed the importance of urban solid waste management. He suggested that Urban SWM should be treated as one of the most important areas. He also empathized on the collaborative work with various R&D institute of this region.

After that **Sh. D.C. Rana**, IAS, Member Secretary (EC) & Director, Himachal Pradesh Council for Science, Technology and Environment (HIMCOSTE), Shimla thanked Er. R.K. Singh for organizing this online workshop for the identification and prioritization of thematic areas of the Himachal Pradesh state through stakeholder consultation. He identified Biodiversity Management, Climate Change and Disaster Management as the major thematic areas.

**Dr. Chander Parkash**, Principal Scientist & Head, ICAR-Indian Agricultural Research Institute (IARI), Regional Station, Katrain, Kullu told that while going through the document of HKN, I could visualize that the Conservation of biodiversity and its protection, Wildlife conservation and protection, Water security and conservation, Traditional knowledge societies and their livelihood and Sustainable Himalayan tourism are the current focus areas of the Himachal Pradesh state.

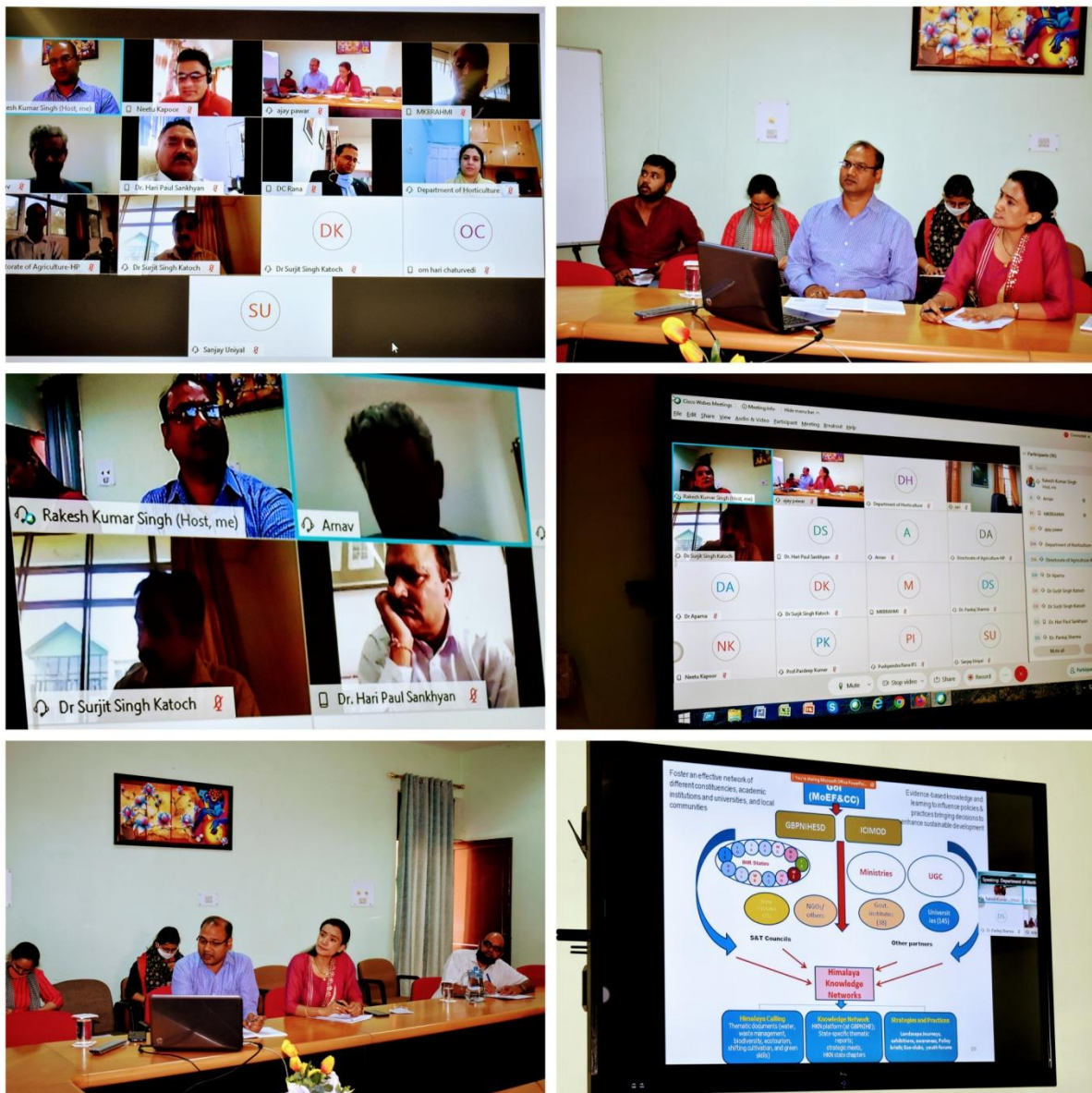
After brainstorming and panel discussion following 11 thematic areas have been identified:

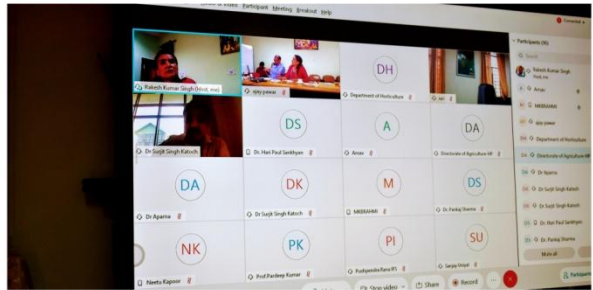
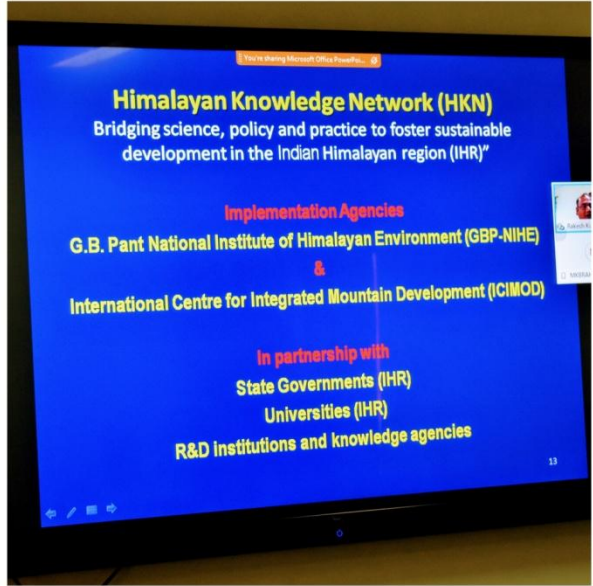
1. Biodiversity Conservation and Management
2. Water Resource Conservation and Management
3. Climate Change
4. Traditional and Indigenous Knowledge System
5. Urban Solid Waste Management
6. Horticulture Development and Management
7. Sustainable Eco-Tourism
8. Disaster Management
9. Entrepreneurship Development
10. Live Stock Production and Management
11. Capacity Building & Skill Development

In his concluding remarks, **Er. R.K.Singh** thanked all the participants for actively taking part in this workshop. He stated that among the eleven thematic areas which have been discussed in the workshop, two main prioritize areas which have been finalized are **Biodiversity Conservation and Management (BCM)** and **Water Resource Conservation and Management (WRCM)**. He also informed that one Data Centre of HKN will going to be established in Himachal Regional Centre of the Institute. In this Data centre all the knowledge, findings, research works and all the related information will be shared with the stakeholders. One youth forum will also be created.

At the end, **Dr. Renu Lata**, Scientist-C, GBP-NIHE, HRC expressed the formal Vote of thanks to the all participants of this state level online workshop and all the stakeholders of the Himalayan Knowledge Network (HKN).

### Photograph of the Workshop







## Media Coverage

अमर उजाला      दिनांक : 01.10.2020

**प्रदेश में ज्ञान नेटवर्क की स्थापना पर चर्चा**

संवाद व्यूज एजेंसी

कुल्लू। गोविंद बल्लभ पंत राष्ट्रीय हिमालयी पर्यावरण संस्थान मोहल में ऑनलाइन एक दिवसीय राज्य स्तरीय कार्यशाला का आयोजन किया गया।

कार्यशाला में हिमाचल प्रदेश में हिमालयी ज्ञान नेटवर्क की स्थापना के लिए नेटवर्क विकास और तालमेल निर्माण पर चर्चा की गई।

संस्थान के प्रमुख डॉ. रमेश कुमार सिंह ने कहा कि भारत सरकार के पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय ने जी.बी. पंत संस्थान को हिमालय ज्ञान नेटवर्क बनाने की जिम्मेदारी सौंपी है। इसके तहत कार्य किया जा रहा है। प्रदेश के सभी शोध संस्थानों और शिक्षण संस्थानों के साथ मिलकर इस पर कार्य किया जाएगा। कार्यशाला में हिस्सा लेने वाले प्रतिभागियों को हिमालयी क्षेत्र में सतत विकास के लिए विज्ञान, नीति और अभ्यास को बढ़ावा देने के विषय पर जागरूकता दी।

उन्होंने संस्थान में चल रही विभिन्न गतिविधियों से भी अवगत कराया। इसके अलावा कार्यशाला के दौरान शोध एवं शिक्षण संस्थानों के वैज्ञानिकों ने भी अपने विचार रखने के साथ सुझाव भी दिए। साथ ही कहा कि संस्थान कई विषयों पर शोध करता है। इस दौरान संस्थान की वैज्ञानिक डॉ. रेनुका आदि मौजूद रहे।

**जी.बी. पंत राष्ट्रीय हिमालयी पर्यावरण संस्थान मोहल में कार्यशाला आयोजित**

प्रदेश के विभिन्न शोध और शिक्षण संस्थानों के अधिकारियों ने लिया भाग

बढ़ावा देना विषय पर प्रतिभागियों को जानकारी दी।

उन्होंने प्रतिभागियों को संस्थान का संक्षेप परिचय दिया और संस्थान में हो रहे कार्यों के बारे में भी बताया।

उन्होंने कहा कि भारत सरकार के पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय ने जी.बी. पंत संस्थान को एकदिवसीय राज्य स्तरीय कार्यशाला का आयोजन किया गया, जिसका विषय प्रदेश में हिमालयी ज्ञान नेटवर्क की स्थापना के लिए नेटवर्क विकास और तालमेल निर्माण करना है। कार्यशाला में प्रदेश के विभिन्न शोध और शिक्षण संस्थानों के अधिकारियों ने भाग लिया। संस्थान के केंद्र प्रमुख डॉ. रमेश कुमार सिंह ने हिमालय ज्ञान नेटवर्क, भारतीय हिमालयी क्षेत्र में सतत विकास के लिए विज्ञान, नीति और अभ्यास को बढ़ावा देना विषय पर प्रतिभागियों को संक्षेप परिचय दिया और संस्थान में हो रहे कार्यों के बारे में भी बताया। उन्होंने कहा कि भारत सरकार के पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय ने जी.बी. पंत संस्थान को एकदिवसीय राज्य स्तरीय कार्यशाला का आयोजन किया गया, जिसका विषय प्रदेश में हिमालयी ज्ञान नेटवर्क की स्थापना के लिए नेटवर्क विकास और तालमेल निर्माण करना है। कार्यशाला में प्रदेश के विभिन्न शोध और शिक्षण संस्थानों के अधिकारियों ने भाग लिया। संस्थान के केंद्र प्रमुख डॉ. रमेश कुमार सिंह ने हिमालय ज्ञान नेटवर्क, भारतीय हिमालयी क्षेत्र में सतत विकास के लिए विज्ञान, नीति और अभ्यास को बढ़ावा देना विषय पर प्रतिभागियों को संक्षेप परिचय दिया और संस्थान में हो रहे कार्यों के बारे में भी बताया।

**पंजाब केसरी**      Sun, 27 September 2020  
 ई-पेपर      Edition: kullu kesari, Page no. 3