

DISSEMINATION REPORT

Sustainable Natural Resource Use in Arctic and High Mountainous Areas [SUNRAISE]

INTERNATIONAL STAKEHOLDERS' WORKSHOP

Date: 21 May 2018

Location: Department of Geography, Kumaun University, Nainital, Uttarakhand, India

Objective of the Workshop:

The Department of Geography, Kumaun University, Nainital organized one-day Stakeholders' Workshop in Nainital on 21 May 2018. The main objective of the Workshop was to obtain the feedback and suggestions from a wide range of stakeholders including academic institutions, government organizations, training institutes, research and development organizations, Non Governmental Organizations and private sectors; and incorporate the highly relevant proposals in the mountain specific multi-disciplinary curriculum development process in higher education system of the Himalayan Universities.





Workshop Participants:

50 participants from Kumaun University and its affiliated colleges, Jawaharlal Nehru University, New Delhi, University of Salzburg, Austria; Uttarakhand Academy of Administration, Nainital; Central Himalayan Environment Association, Nainital participated in the workshop and interacted with the resource persons. The participants About included 19 faculty members of varying disciplines including Environmental Sciences, Geography, Botany and Forestry, and as many as 31 students from different streams of natural and social sciences; and representatives of print and electronic media. Both the students and faculty members have been derived from various institutions located in the Himalayan State of Uttarakhand and JNU, New Delhi. The workshop panellists included Professor Juergen Breuste, University of Salzburg, Austria; Professor P. K. Joshi, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi and Dr. Pankaj Tewari, Executive Director, Central Himalayan Environment Association, Nainital. The distributions of Workshop Participants has been shown in the following Table:

| Institution | Department | Faculty | Students | Total |
|--|---------------------------------------|-----------|-----------|-----------|
| University of Salzburg, Austria | Department of Geography and Geology | 01 | - | 01 |
| Jawaharlal Nehru University, New Delhi | School of Environmental Sciences | 01 | 04 | 05 |
| Central Himalayan Environmental Association (CHEA), Nainital, Uttarakhand | - | 04 | - | 04 |
| Kumaun University | Department of Botany | 01 | 09 | 10 |
| | Department of Forestry | 02 | 05 | 07 |
| | Department of Zoology | - | 01 | 02 |
| | Department of Tourism and Hospitality | - | 01 | 01 |
| | Department of Geography | 07 | 09 | 16 |
| University Grants Commission (UGC) Human resource Development Centre (HRDC), Kumaun University, Nainital | - | 01 | - | 01 |
| Government Post Graduate College, Rudrapur, Uttarakhand | Department of Geography | 01 | 02 | 03 |
| Government Post Graduate College, Lohaghat, Uttarakhand | Department of Political Science | 01 | - | 01 |
| Total Participants | | 19 | 31 | 50 |



Workshop Agenda:

The detailed Agenda of the Workshop is as follows:

| DAY FIRST | |
|---------------------|--|
| 20 May 2018 | Arrival and Welcome of Workshop Participants in Nainital |
| DAY SECOND | |
| 21 May 2018 | INAUGURAL SESSION [10:00 - 11:30 AM] |
| 10:00 AM - 10:30 AM | Registration |
| 10:30 AM - 11:00 AM | Introduction of the Project and Workshop: <i>Prof. P.C. Tiwari, KU, Nainital, Convener Workshop</i> |
| 11:00 AM - 11:10 AM | Expectations from the Programme: <i>Prof. Rajeev Uppadhaya, Director - SRICC, KU, Nainital</i> |
| 10:10 AM - 11:20 AM | <i>Prof. R.K. Pande, Head Department of Geography, KU Nainital</i> |
| 11:20 AM - 11:30 AM | <i>Prof. D. K. Nauriyal, Vice Chancellor, KU Nainital/Prof. D. C. Pandey, Dean - Faculty of Arts, KU, Nainital</i> |
| 11:30 AM - 12:00 PM | TEA BREAK |
| 12:00 PM - 01:00 PM | WORKSHOP SESSION - I Chair: Prof. R.K. Pande and Prof. R. C. Joshi, KU, Nainital |
| 12:00 PM - 12:45 PM | Sustainable Urbanization in High Mountains: <i>Prof. Jurgen Breuste, PLUS, Salzburg, Austria</i> |
| 12:45 AM - 01:00 PM | Discussions and Feedback |
| 01:00 PM - 02:00 PM | LUNCH |
| 02:00 PM - 04:00 PM | WORKSHOP SESSION - II Chair: Prof. R. Chand and Prof. S. S. Bargali, KU, Nainital |
| 02:00 PM - 02:30 PM | Geodatabase for Indian Himalayan Region: <i>Prof. P. K. Joshi, JNU, New Delhi</i> |
| 02:30 PM - 03:00 PM | Closing the Gap Between Teaching and Ground Realities in High Mountains: <i>Dr. Pankaj Tewari, CHEA, Nainital</i> |
| 03:00 PM - 03:45 PM | Panel Discussions and Feedback: <i>Prof. Jurgen Breuste, Prof. P. K. Joshi, Dr. Pankaj Tewari and Prof. P. C. Tiwari</i> |
| 03:45PM - 04:00 PM | Thanks and Tea |

Recommendations of the Workshop:

1. The process of urban growth is not only rapid but also unplanned and unsystematic in the Himalayan Region, and this has not only emerged as one of the major drivers of land use change and depletion of natural resources. In view of this, Sustainable Mountain Urban Development should be included in the higher education curriculum across the Himalayan Universities.
2. It was suggested by almost all the participants that in order to conserve natural resources and ensure the well being of local communities the knowledge on 'Integrated Mountain Development' should be created and incorporated in Master's Programme in Geography, Environmental Sciences and Social Sciences in the higher education institutions in the Himalayan Region.
3. It was deliberated and agreed upon that improvement of rural livelihood is now being considered as basis of rural development in the mountain region where due to constraints of terrain and climate subsistence farming constitutes the main source of rural livelihood. Hence, the livelihood opportunities in non-traditional sectors, specifically ecological tourism, value addition and marketing need to be explored through their induction in higher education curriculum.

4. It was recommended that climate change adaptation and disaster risk reduction programme should be integrated into the overall process of development planning at watershed level in the Himalayan mountains, and this should find important place in the higher education system.
5. Most of the stakeholders strongly recommended that documentation and preservation of mountain traditional knowledge need to be included in higher education programmes as this is being urgently required not only for the sustainable natural resources governance; but also for evolving effective strategies for climate change adaptation and disaster risk reduction in mountain regions.
6. Forest, Water and Biodiversity Conservation emerged as one of the important components for higher education system in Himalaya.
7. Besides, both panellists and participants observed that specific training modules should be developed on key identified mountain specific issues such as, sustainable mountain urban development; climate change adaptation, improving rural livelihood; disaster risk reduction, documentation and preservation of traditional knowledge; and incorporated in training programmes organized for university faculty and policy planners in different Training Institutes located in the Himalayan Region.



Media Coverage:

Workshop objectives and recommendations have been able to find place in the print and electronic media, that helped us in the wider publicity of SUNRAISE and disseminations of its activities to range of stakeholders, particularly at the grass-root level. The following A copy of print media report in Hindi.

विश्वविद्यालय के पाठ्यक्रम में शामिल किया जाए पहाड़ का परंपरागत ज्ञान

जागरण संवाददाता, नैनीताल : पहाड़ के पारंपरिक ज्ञान को अब वैश्विक मान्यता भी मिल चुकी है। यूरोपियन यूनियन के सहयोग से नैनीताल में आयोजित कार्यशाला में एक स्वर से पहाड़ से पलायन जैसी समस्याओं से पार पाने के लिए पारंपरिक ज्ञान को विवि के पाठ्यक्रम का हिस्सा बनाने पर जोर दिया गया, ताकि स्थानीय रोजगार के अवसरों का योग्यतानुसार सृजन किया जा सके। विशेषज्ञों का यह भी कहना है कि पाठ्यक्रम ऐसा बने कि जिसके अध्ययन के बाद दक्ष युवा पहाड़ के विकास के अनुरूप नीतियां बनाने में मददगार बन सकें। चिंता जताई गई कि विवि ऐसे युवाओं को तैयार नहीं कर सके हैं जो पर्वतीय क्षेत्र के विकास के विकास की नीति को प्रभावित कर सकें।

सोमवार को हरमिटेज भवन में कुमाऊँ विवि भूगोल विभाग की ओर से हिमालयी क्षेत्र के विकास को लेकर तमाम विवि के प्राध्यापकों की कार्यशाला आयोजित की। कार्यशाला के समन्वयक प्रो. पीसी तिवारी ने पहाड़ के पारंपरिक ज्ञान को बेहद समृद्ध बताते हुए कहा कि इस ज्ञान को पाठ्यक्रम का हिस्सा बनाया जाना चाहिए। जेएनयू के प्रो. पवन के जोशी ने कहा कि दुनिया में अंतरिक्ष विज्ञान के क्षेत्र में भारत सुपरपावर बन चुका है लेकिन अंतरिक्ष तकनीकी का अब तक पर्वतीय क्षेत्र के विकास में उपयोग नहीं हो सका है। उन्होंने पाठ्यक्रम में अंतरिक्ष तकनीक से पर्वतीय क्षेत्र के विकास की योजना



नैनीताल में पर्वतीय क्षेत्र के विकास को लेकर आयोजित कार्यशाला में मौजूद प्राध्यापक • जागरण

कार्यशाला

- यूरोपियन यूनियन के सहयोग से विशेषज्ञों ने रखे अपने विचार
- कुमाऊँ विवि भूगोल विभाग की ओर से हिमालयी क्षेत्र के विकास पर वर्कशॉप

लागू करने के तौर तरीके शामिल करने पर जोर दिया।

आस्ट्रिया से पहुंचे प्रो. जुर्गन ब्रोस्टी ने हैरानी जताते हुए कहा कि अब तक पहाड़ में रोजगार सृजन करने वाले पाठ्यक्रम क्यों तैयार नहीं किए गए। शोध निदेशक प्रो. राजीव उपाध्याय, प्रो. रघुवीर चंद ने भी अपने विचार रखे। संयोजक प्रो. तिवारी ने बताया कि इस मामले में अब अगली कार्यशाला अक्टूबर में आयोजित की जाएगी।



नैनीताल में आयोजित कार्यशाला में बोलते प्रो. तिवारी, प्रो. चंद व प्रो. जुर्गन • जागरण

इस मौके पर प्रो. अनीता पांडे, डॉ. साह, प्रो एससी सती, चिया के डॉ पंकज भगवती जोशी, डॉ. प्रकाश चन्पाल, प्रो. तिवारी, प्रो केके पाण्डे, विनीता जोशी, कैलाश चंद्र, प्रो डीसी पाण्डे, डॉ. रिदेश केवलानंद आदि थे।

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