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# **SUNRAISE: Sustainable Natural Resource Use in Arctic and High Mountainous Areas**

Report on:

**Workshop on Heritage Conservation & Management**

- 02nd September 2019

School of Environmental Sciences (SES),

Jawaharlal Nehru University (JNU), New Delhi India



***Partner number: P12***

**Jawaharlal Nehru University, New Delhi  
India**

## Workshop Report

A workshop on “*Habitat Conservation and Management*” was organized in the School of Environmental Sciences (SES), Jawaharlal Nehru University (JNU) as a part of capacity building under sustainable natural resource use in Arctic and high mountainous areas (SUNRAISE project) on 02 September 2019.

The workshop was specifically for students of Master’s in Heritage Conservation and Management of Wildlife Institute of India (WII), Dehradun and MSc/PhD students in SES/JNU. The purpose of the talks was to introduce students with the importance of geospatial tools (remote sensing & Geographical Information System (GIS)) in conservation and management and heritage conservation and developments in India.

The lead speakers for the workshop were *Prof. P K Joshi* Professor SES/JNU and *Dr Shikha Jain* Founder Director of DRONAH (Development and Research Organization for Nature, Arts and Heritage) Gurugram.

The three-hour workshop was divided in two sessions, (i) Importance of remote sensing and GIS in forest conservation and management, and (ii) Heritage and Conservation.

In the first session, *Prof. P K Joshi* deliberated on the importance of geospatial tools in various aspects of forest habitat conservation including mapping, habitat quality analysis, corridor analysis, forest fire, invasive species and climate change issues. He also talked about the open source platforms and geospatial data sources available for analysis and visualisation of a wide range spatial data at global, regional and local scale. The talk generated discussions on fundamental questions on definition of forest habitat, possible applications of very high-resolution satellite data for characterisation and community conservation area management. The participants showed interest for learning practical applications of these technologies and geospatial database through internships and dissertations.



**Prof P K Joshi addressing the participants**

In the second session, *Dr Shikha Jain*, who is an architect and heritage expert, introduced fundamentals of conservation of natural and man-made heritages. She discussed various conservation plans and projects being under implementation in India. While covering aspects of nature, arts and heritage she emphasized on sustainable environmental sensitive initiatives without foregoing the strength of the traditional and heritage landscapes. Students from different backgrounds (Heritage Conservation and Management, Environmental Sciences, Biology, Wildlife Sciences, Geography, Remote sensing etc.) asked queries related to their respective fields and topics. The discussion raised some of the gap areas and also possible solutions for better conservation and management.



**Dr Shikha Jain addressing the participants**

Some of the concepts and practices discussed during this talk were new to the audience. They appreciated importance of *Habitat* (both natural and man-made) *Conservation and Management* and importance geospatial tools (remote sensing, GIS, GPS and ICT) towards achieving these.

At the end of the talks, Prof PK Joshi thanked the speaker and participants for their time and interest.

**Heritage Conservation & Management**

 2 September 2019  
1500-1700 Hrs

 Amrita Devi Bishnoi Hall  
School of Environmental Sciences  
Jawaharlal Nehru University  
New Delhi

**ATTENDANCE**

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