

Himachal State Meet

On
Promoting Space Technology based Tools and Applications in
Governance & Development
(23rd September 2016)

The Prime Minister of India during his address at Satish Dhawan Space Centre on June 30, 2014, urged Department of Space to proactively engage with all stakeholders to maximize the use of space science and technology in governance and development. In this regard, team of scientists from ISRO conducted one-to-one interactions with the Ministries/ Departments and prepared a joint action plan for implementing 160 projects during the National Meet held on 7th September 2015. Similar need has been felt for promoting space science and technology at State level as well. The objective is to enhance the use of geospatial technologies for good governance and development at every level in the country. Indian Space research Organisation, Government of India has long-term Earth Observation and Communication programmes for the benefit of the users and also to provide continuity in data availability.

Aims and Objectives

The aim of organizing the state level meet is to ensure effective use of space technology in various spheres of governance and development in the state of Himachal Pradesh. The objectives of the state meet are as follows:

- To bring together various line departments and stakeholders in the state and identify the areas for effective use of space technology.
- To prepare a joint action plan and develop mechanisms for implementing the identified projects (short, medium and long term basis).

Himachal Pradesh Remote Sensing Centre (HPRSC)

Himachal Pradesh Remote Sensing Centre, established in 1989, is an autonomous organization under State Council for Science, Technology & Environment (HPSCSTE), Government of Himachal Pradesh having technical support of ISRO/DOS. The centre has been identified as the nodal agency in the state having mandate to implement GIS & RS based space applications. The centre has also been identified as a nodal agency for the State Natural Resources Management System (SNRMS) and to provide scientific support to various line departments of the state in various domains e.g. Natural Resource Management, Water Resource Management, Snow Glacier Studies, Environmental Monitoring, Land use and Urban planning, Disaster Mitigation, etc. using space technology.

Indian Space Research Organisation (ISRO)

The primary objective of the Indian Space Programme is to achieve self-reliance in Space Technology, develop applications to meet the developmental needs of the country and harness the benefits of Space Applications for socio economic development. Towards meeting this objective, programmes/missions drawn up by ISRO comprises of Launch Vehicle Development, Earth Observation, Satellite Communication, Satellite Navigation, Space Science & Planetary Exploration Studies.

Indian Institute of Remote Sensing (IIRS)

Indian Institute of Remote Sensing, a unit of Indian Space Research Organisation, Department of Space, Government of India, is a premier Training and Educational Institute in Asia set up in 1966 for developing trained professionals in the field of Remote Sensing, Geo-informatics and GPS Technology for Natural Resources, Environmental and Disaster Management. The institute organizes training programmes of one week for Decision Makers, Post Graduate Diploma course of 10 months and M. Tech. & M. Sc. programmes of 24 and 18 months, respectively. The institute has very strong component of research and development in different areas of natural resources management. More than 11000 participants from 95 countries have attended the IIRS programmes. The institute also hosts 1st Regional Center of United Nations established in 1995 called Centre for Space Science and Technology Education in Asia and The Pacific (Affiliated to the United Nations).

National Remote Sensing Centre (NRSC)

National Remote Sensing Centre (NRSC) located at Hyderabad is one of the Centres of ISRO, striving to realize the Indian space vision as a key player in earth observation programme. NRSC is responsible for acquisition, processing, supplying of aerial and satellite remote sensing data. NRSC has a wealth of images from India and foreign remote sensing satellites in its archive and also has the capability to acquire data pertaining to any part of the globe on demand. NRSC provides end-to-end solution for utilization of data for Natural resource management, geospatial applications and information services. NRSC facilitates natural resource management catering to food security, water security, energy security, sustainable development, land use land cover under information portal called Bhoosampada. Bhuvan portal is providing visualization services and earth observation data to users in public domain.

Himachal Pradesh State Meet
Promoting Space Technology based Tools and Applications
in Governance & Development
Detailed Programme (23rd September 2016)

09:00-10:00	Registration of the participants
	Inaugural Session (Venue: H.P. Secretariat, Main conference Hall)
10:00-10:05	Lighting of Lamp
10:05-10:10	Welcome Address by Shri Kunal Satyarthi, Joint Member Secretary (HPSCSTE)
10:10-10:15	Introduction of the Meet by Shri Ajay Kumar Lal, Member Secretary (HPSCSTE)
10:15-10:20	Opening Remarks by the Dr. A. Senthil Kumar Director, IIRS/ISRO, Dehradun
10:20-10:30	Special Address by Shri Tarun Kapoor, Principal Secretary, Environment Science & Technology Govt. of HP, Shimla
10:30-10:40	Address by Dr. A.S. Kiran Kumar, Chairman, ISRO/ Secretary, DOS (Video link from Bangalore)
10:40-10:50	Inaugural Address by the Shri V.C. Pharka, Chief Secretary, Govt. of Himachal Pradesh
10:50-11:00	Vote of Thanks by Dr. Rajender Thapa, Principal Scientific Officer, HPRSC,HPSCSTE
11:00-11:20	Tea break
11:20-11:30	Joint session- Overview on ‘Applications of Geospatial Technology for Regional Planning and Governance’ by Dr. G. Ravishankar, NRSC, Hyderabad.
11:30-12.30	Technical Session-I (Three Separate venues; Three Separate Themes)
Theme 1: Agriculture (Venue: H.P. Secretariat, Main conference Hall)	<p>Chair(s): Concerned Secretaries, Himachal Pradesh Moderator: Dr. N. R. Patel, IIRS, ISRO Rapporteur: Dr. Brijesh Saklani, HPSCSTE</p> <p>Presentations</p> <ol style="list-style-type: none"> 1. Department of Agriculture 2. Department of Horticulture 3. Departmental of Food & Civil Supplies 4. Department of Industries <p>Open discussion & closing remarks by Chair(s)</p>
Theme 2: Environment and Energy (Venue: H.P. Secretariat, Committee Room)	<p>Chair(s): Concerned Secretaries, Himachal Pradesh Moderator: Dr. Sarnam Singh, IIRS, ISRO Rapporteur: Ms. Meena Devi, HPSCSTE</p> <p>Presentations</p> <ol style="list-style-type: none"> 1. Forest Department 2. Directorate of Energy 3. HP Pollution Control Board <p>Open discussion & closing remarks by Chair(s)</p>

<p>Theme 3: Infrastructure Planning (Venue: H.P. Secretariat, C.S. Committee Room)</p>	<p>Chair(s) :Concerned Secretaries, Himachal Pradesh Moderator: Mr. Pramod Kumar, IIRS, ISRO Rapporteur: Dr. Krishan Chand, HPSCSTE</p> <ol style="list-style-type: none"> 1. Urban Development 2. Public Works Department 3. Town and Country Planning Department 4. State Transport Department <p>Open discussion & closing remarks by Chair(s)</p>
<p>12:30-13:30</p>	<p>Technical Session-II (Three Separate venues; Three Separate Themes)</p>
<p>Theme 4: Water Resources (Venue: H.P. Secretariat, Committee Room)</p>	<p>Chair(s): Concerned Secretaries, Himachal Pradesh Moderator: Dr. S. P. Aggarwal, IIRS, ISRO Rapporteur: Sh. Vikas Chandel, HPSCSTE</p> <ol style="list-style-type: none"> 1. Fisheries Department 2. Ground Water Organisation 3. State Water and Sanitation Mission 4. Irrigation and Public Health Department <p>Open discussion & closing remarks by Chair(s)</p>
<p>Theme 5: Health and Education (Venue: H.P. Secretariat, Main conference Hall)</p>	<p>Chair(s): Concerned Secretaries, Himachal Pradesh Moderator: Shri S. Phani Kumar, DECU, ISRO Rapporteur: Ms. Poonam Verma, HPSCSTE</p> <ol style="list-style-type: none"> 1. Department of Higher Education 2. Department of Health and Family Welfare 3. Department of Ayurveda <p>Open discussion & closing remarks by Chair(s)</p>
<p>Theme 6: Weather and Disaster Management (Venue: H.P. Secretariat, C.S. Committee Room)</p>	<p>Chair(s): Concerned Secretaries, Himachal Pradesh Moderator: Dr. P. K. Champati Ray, IIRS, ISRO Rapporteur: Sh. Rohit Chauhan, HPSCSTE</p> <ol style="list-style-type: none"> 1. Geology and Mining (Geological Wing) 2. Disaster Management-HIPA (Himachal Institute of Public Administration) 3. HP Forest Department (Fire) 4. Police Department 5. Department of HP Home Guards, Civil Defense and Fire Services <p>Open discussion & closing remarks by Chair(s)</p>
<p>13:30-14:30</p>	<p>Lunch break</p>
<p>14:30-15:30</p>	<p>Technical Session-III (Three Separate venues; Three Separate Themes)</p>
<p>Theme 7: Developmental Planning (Venue: H.P. Secretariat, Main conference Hall)</p>	<p>Chair(s): Concerned Secretaries, Himachal Pradesh Moderator: Dr. D. Mitra, IIRS, ISRO Rapporteur: Sh. Manoj Kumar, HPSCSTE</p> <ol style="list-style-type: none"> 1. Department of Labour & Employment 2. Animal Husbandry Department 3. Tourism & Civil Aviation Department 4. Department of SCs, OBCs & Minority Affairs <p>Open discussion & closing remarks by Chair(s)</p>

Theme 8: Technology Diffusion, Communication & Navigation (Venue: H.P. Secretariat, Committee Room)	Chair(s): Concerned Secretaries, Himachal Pradesh Moderator: Dr. Anil Kumar, IIRS, ISRO Rapporteur: Sh. Parveen Kumar, HPSCSTE 1. Information Technology Department 2. National Informatics Centre (NIC) 3. Economics & Statistics Open discussion & closing remarks by Chair(s)
Theme 9 Land resources planning (Venue: H.P. Secretariat, C.S. Committee Room)	Chair(s): Concerned Secretaries, Himachal Pradesh Moderator: Dr. Suresh Kumar, IIRS, ISRO Rapporteur: Ms. Purnima Verma, HPSCSTE 1. Department of Rural Development 2. Department of Panchayati Raj 3. Department of Land Records
15:30-15:45	Tea break
15:45-16:00	Finalization of Departmental Inputs

Plenary Session: (Venue: H.P. Secretariat, Main conference Hall) 16:00 – 17:00

Welcome Address by Shri Kunal Satyarthi, Joint Member Secretary (HPSCSTE)
Outcome of the State Meet by Shri Ajay Kumar Lal, Member Secretary (HPSCSTE)
Future road map and way forward by Shri Tarun Kapoor, Pr. Secretary, Environment Science & Technology Govt. of H.P.
Address by the Chief Guest, Hon'ble Chief Minister, Government of Himachal Pradesh.
Vote of Thanks by Principal Scientific Officer, HPRSC, HPSCSTE

The plenary session would be conducted in the august presence of the Hon'ble Chief Minister, Government of Himachal Pradesh. The State Meet will conclude with the address of Hon'ble Chief Minister H.P.