SISDP DATA UTILISATION

MINISTRY/DEPARTMENT/ORGANIZATION

S.NO	USER	UTILISATION OF SISDP DATA
1	National Informatics Centre (NIC) - Bharat Maps	Integration of SISDP LULC data into Matrubhoomi portal - Department of Land Resources, Ministry of Rural Development.
2	Indira Gandhi Center for Atomic Research (IGCAR), Kalpakkam	Emergency Decision Support System and Atmospheric Studies.
3	Indian Institute of Technology Kanpur	To estimate the air pollution relation with LULC and its source apportionment using AI model.
4	Rural Development Department,Jharkhand	MGNREGA work planning for watershed development.
5	CSIR-National Geophysical Research Institute (CSIR-NGRI)	Land use land cover change detection Analysis and Validation
6	Wildlife Institute of India (MoEF&CC)	To Identify the potential habitat suitability for the elephants in Chhattisgarh and plan mitigation measure to reduce human elephant conflict
7	Office of the Principal Accountant General, Tamil Nadu and Puducherry	Compliance Audit on Nilgiris Biosphere Reserve
8	School of Planning and Architecture Bhopal	To understand cropping pattern and Urban development for Regional Planning of Coimbatore Region.
9	Salim Ali centre for Ornithology and Natural History	To study the impact of different land use and land classes on nesting ecology of select endemic birds, which are also endangered.
10	Food and Agriculture Organization (FAO)	SIS-DP Thematic Data and LISS-IV Data were utilised for Agro forestry work.
11	Department of Telecommunications	Suitability analysis of towers for 37,554 villages under "Transformation of Aspirational Districts" programme.
12	Geological Survey of India(GSI)	LULC data for Tripura and Mizoram states for Seismic Microzonation project.
13	Ministry of Housing and Urban Affairs, Jal Jeevan Mission	Support for Urban Waterbody Information System (UWaIS) using geospatial inputs

14	Jal Shakti Abhiyan (a Campaign launched by Ministry of Jal Shakti , Government of India)	SIS-DP data sets (LULC, Drainage, Village and Block boundaries) were used for the map generation
15	Mission Ganga	LULC datacovering covering 11 States namely: Bihar, Haryana, Chhattisgarh, Delhi, Himachal Pradesh, Jharkhand, Uttar Pradesh, Madhya Pradesh, Rajasthan, Uttarakhand and West Bengal were used.
16	Mahanadi Water Dispute Tribunal(MWDT)	SIS-DP 10K LULC data in form of Geotiff format for Mahanadi River Basin were utilized.
17	**PM Gati Shakti scheme**	Cadastral maps of Kerala

CASESTUDIES USING SISDP DATA

S.No.	State	Case Studies
1	Andhra Pradesh	➤ Identification of Potential Sites for Aquaculture Development ➤ Identification of Rainwater Harvesting Structures
2	Chhattisgarh	➤ Technical report on Nari and Parkhanda panchayat,Kurud block, Dhamtari district ➤ Technical Proposal Submitted to Directorate of Geology & Mining for pre-feasibility study of Iron ore in 11 Blocks
3	Haryana	➤ Project UDAAN for Sohna (Greater Gurgaon) ➤ Validation of existing Digitized Land Record of Municipal Corporation of Gurgaon ➤ Cadastral Mapping for all Colonies of Rohtak Town ➤ Demarcation of Eco-Sensitive Zone around Wildlife Sanctuaries & National Parks of Haryana ➤ Delineation of Natural Conservation Zone in NCR ➤ Soil Health Card Scheme project ➤ Sand Mining Zone Mapping
4	Jharkhand	➤ Layout Plan of Proposed Optical fibre Cable for Reliance JioInfocom Ltd, Bharti-Airtel Ltd ➤ Index Plan Map for inauguration of new National Highway for Road Construction Department ➤ Thematic layer generation of IWMP Clusters and Action Plan Generation under "Watershed Management Information System for Jharkhand Rural Development ➤ Implementing IWMP project
5	Kerala	➤ Delineation of cultural landscape and natural landscape in 123 ESA villages declared by the High Level Working Group On Western Ghats
6	Madhya	➤ To provide drinking water supply to Fluoride-affected villages and

	Pradesh	perspective plan for Majhodiya Group piped water supply scheme inRatlam District
7	Maharashtra	➢ Generation of Road Development Plan for PMGSY ➢ Integrated Gram panchayat Development Plan using micro-planning
8	Manipur	➢ Potential ground water sources ➢ Logistics support to election personnel, mapping polling stations of the 60 assembly constituencies to develop a database for smooth functioning of the state election machinery
9	Meghalaya	➢ North Eastern District Resources Plan ➢ Space Based Information Kiosk ➢ Site Suitability for setting up new Telecom Towers ➢ Inputs for Forest Working Plan
10	Mizoram	➢ To assist Power & Electricity Dept. in site selection for Solar Panel Instal. (10 MW),Thenzawl area ➢ To assist Power & Electricity Dept. for submergence area calculation and DPR preparation for Tuirini HEP and Tuivai HEP ➢ For Office of the Chief ElectrolOfficer,Baluwakhani,Gangtok-Sikkim - Map of Assembly Constituencies and Polling stations
11	Punjab	➢ Horticulture (orchard plantations) maps were supplied to the Horticulture department for the Hoashiarpur, Muktsar, Fazilka and Bathinda district for the better planning and management of orchards in the districts ➢ LULC maps provided to Dept. of Rural Development and Panchayats in pdf format for use in IWMP Project ➢ 11 maps supplied to the Statistical Advisor, Punjab containing geo-tagged information about education institutes, health institutes and government utilities and facilities along with demographic aspects. These maps could be used for planning of the Pakhowal block in respect of opening up of new schools and health facilities ➢ 11 maps for Pakhowal block prepared and supplied for assessing the status of community grazing area
12	Rajasthan, CAZRI	➢ For the selected villages in the MeraGaonMeraGaurav Initiative of the Honourable Prime Minister for the Indian Council of Agricultural Research ➢ Pilot study of selected village Ujaliya, Jodhpur district for holistic development ➢ Integrated Natural Resources Monitoring in Arid Rajasthan

13	Sikkim	➢ For Rural Management & Development Department Office of the Additional District Collector (Development) cum Panchayat Officer – Demarcationof 6 BACs (Ranka, RakdongTintek, Duga, Martam, Kamdong and Nandok) of East district of Sikkim ➢ For Office of the Chief Electrol Officer, Baluwakhani, Gangtok - Sikkim Map of Assembly Constituencies and Polling stations
14	Uttar Pradesh	➢ Ward land Mapping project of Unnao District ➢ PradhanMantriKrishi Sanchar Yojna
15	Uttarakhand	➢ Ecosystem Management Plan for Bans-Maitoli village (Chnadak-Aunlaghat Watershed) ➢ Kailash Sacred Landscape Conservation and Development Initiative (KSLCDI)
16	West Bengal	➢ Industrial Waste Water Discharge Mapping of West Bengal ➢ Cyclone Shelter Mapping on Coastal West Bengal ➢ Location and Monitoring of ICDS Centres ➢ Underground Power Cable Line Mapping in Digha&Shankarpur Coastal Belt & Delineation of CRZ

UTILISATION OF SISDP DATA BY SRSACS' IN NORTH INDIA

S.No.	State	Projects/Departments using SISDP data
1.	Haryana Space Application centre, Haryana	1. Development and Panchayat Department 2. Education Department 3. Rural Development Department 4. Industry Department 5. Health Department 6. Animal husbandry Department 7. Transport Department 8. Communication Department 9. State Administration Department 10. PWD Department

		11. Public Health Engineering Department
		12. Warehouse Department
		13. Revenue Department
2.	Himachal Pradesh Remote Sensing Centre, Himachal Pradesh	IWMP project and rural development planning
3.	Department of Ecology, Environment & Remote Sensing, Jammu & Kashmir	1. J&K State portal
		2. Support to wild life department for layout of mini zoo/deer park at Pahalgam
		3. Ministry of Tribal Affairs for border area development planning
		4. Study of Gharana wetland
		5. Support to forest department
		6. Man-Animal (Black Bear) conflict zonation map of Budgam district
		7. Support to irrigation & flood control department
		8. LULC of Khushal Sar, Gilsar waterbodies for conservation & management action plan
		9. Interlinking of mahor water bodies of district Srinagar
		10. LULC mapping of Baderwah Development Authority
		11. Support to Election department
		12. Support to Education department, School information system
		13. Resource mapping for Srinagar district

4.	Punjab Remote Sensing Centre, Punjab	1. Dept. of Rural Development & Panchayats – Land use maps on 1:10K for IWMP project 2. Education department – Locations of School & aganwadi 3. Irrigation department – Classification of canals & drainage for developing canal network map. 4. Dept. of Health & Family welfare – Mapping health facilities 5. Census department – Spatially mapping census 2011 data at village level 6. Dept. of Land records: State, district, tehsil, block map generation 7. Planning department: Village information system of Pakhowal block 8. Bhuvan-Punjab geoportal- Dedicated page of Punjab state on Bhuvan geoportal
5.	Remote Sensing Applications Centre, Uttar Pradesh	1. Mining Surveillance System 2. Thematic layers of SISDP project has been used for developing geoportals for 83 Departments and 150 Sub Departments/Directorates of Government of Uttar Pradesh. 3. Execution of Integrated Watershed Management Programme, IWMP 4. U.P Sodic Land Reclamation Project Phase III 5. Uttar Pradesh State Disaster Management Action Plan for Earthquakes 6. Use of Geospatial Data in Infrastructure Management 7. Use of Geospatial data for selection of Suitable Site for Thermal Power Plant 8. For geospatial application of Ground Water targeting, Surface Water Resources Management, Forest Resources

		Management & Urban and Rural Planning
		9. Landslide Hazard Zonation and Management Studies, Dharasu-Yamunotri Route Corridor
6.	Uttarakhand State Remote Sensing Centre, Uttarakhand	1. Usage of high-resolution satellite data for resource planning Pithorogarh district, UK.
		2. Generation of Vegetation map (Species level) using HR data
		3. Executing field surveys using HR data as base map
		4. Development of integrated Eco-system management plans at village and watershed level
		5. Alpine management plan for Pindari area
		6. Education facility status monitoring at District level
		7. Springs (Naule/Dhare) management planning in Gangolihat block
		8. Identification of Sacred natural sites
		9. Information generation for species map, agri-vegetable rich area, van panchayat, alpine meadows, cultural areas, sacred groves, fair/festival area mapping, settlement mapping, landscape vulnerability & landslide mapping

| 7. | State Remote Sensing Application Centre, Rajasthan | 1. Land Use Land Cover Analysis of 10 km radius area of Barsingsar (Bikaner), Matasukh (Nagaur) and Kayad (Ajmer) Mines using RS/GIS

2. Mapping of thematic layers under IWMP project

3. Monitoring of IWMP Watersheds

4. Forest boundaries accuracy improvement

5. Dam Catchment Characterization – 38 dams studied

6. Ward boundary delineation of Jodhpur Municipal Area

7. Keoladev Bird Sanctuary project

8. NCR – Rajasthan Study

9. Pali-Marwar Industrial Corridor project

10. Mukhyamantri Jal Swawalamban Abhiyaan (MJSA) |