Registration

The participation is by the invitation and registration by the concerned NGEs & public organisations. There is no registration fee for participation.

Reg Link – https://bhuvan-app1.nrsc.gov.in/bhuvanbotraining/index.php

Last Date for Registration – Feb 01 2025

Agenda

Time	Session	Speaker
10:00 - 10:10 Hrs	Welcome	Shri Brijesh Kumar Soni Deputy Director, PD, IN-SPACe
10:10 – 10:20 Hrs	Opening Remarks	Dr. Prakash Chauhan Director, NRSC
		Dr. Vinod Kumar Director, PD, IN-SPACe
10:20 - 10:30 Hrs	About Workshop	Dr S Srinivas Rao Deputy Director, BGWSA, NRSC
10:30 – 11:00 Hrs	Bhuvan Geo-Portal and Web Services	Shri Arulraj M, GH, BGWSG
11:00 – 11:15 Hrs	Data Products & Services	Shri Aravinda Kumar P, GH, BCGG
11:15 – 11:30 Hrs	Value Added Products & Services	Smt. Anjani RN GH, TG & VASG
11:30 – 11:50 Hrs	Enabler for Geospatial Economy	Shri Arulraj M, GH, BGWSG
11:50 – 12:20 Hrs	Experiences of NGE's with Bhuvan Geo-portal	Two presentations from NGE's
12:20 – 12:50 Hrs	Discussions	Interactive Session
12:50 – 13:00 Hrs	Vote of Thanks	Shri VV Sarath Kumar Head, BSND

Contact Information

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Shri. Brijesh Kumar Soni
Deputy Director, PD, IN-SPACe
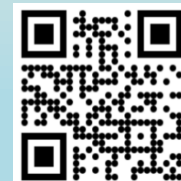Email: brijesh.ksoni@inspace.gov.in

A Virtual Workshop on
Bhuvan *NextGen :* Enabling Geospatial Economy

Organized by

Indian National Space Promotion and Authorization Centre (IN-SPACe)
Dept. of Space, Govt. of India
&
National Remote Sensing Centre (NRSC)
Indian Space Research Organization (ISRO)
Dept. of Space, Govt. of India

03 February 2025

https://bhuvan.nrsc.gov.in

Introduction

Bhuvan is a web based geo-spatial platform of ISRO. It hosts wide range of data and services that includes visualization of multi-date, multi-sensor satellite data, thematic maps, near real-time disaster services, earth and climate services, apps for crowd sourcing and diverse geospatial applications.

To make India a leading space economy globally, the Government of India announces space sector reforms and formed **IN-SPACe**. These reforms will not only widen participation of private scoter to enhance the diffusion of space technology but also boost the Indian Space economy.

This workshop is aimed to realise the vision i.e. "*Expanding geospatial ecosystem through enriched Bhuvan platform and enhance sectoral economy in the country*" besides fulfilling the key objectives of National Geospatial Policy (NGP) 2022.

Strategy for Expanding User Base

➢ **Enhancing products and services**

❑ Strengthening of Bhuvan by integrating latest Optical, Thermal, SAR satellite data and enhancement of thematic and value added products and services.

➢ **Enriching User Interface**

❑ Enhanced visualization with increased page responsiveness.

➢ **Strengthening Mobile Friendly services**

❑ Enhanced Mobile friendly services to take advantage of Indian Tele Communications market with a unified framework for web and mobile.

➢ **Developing End to End Applications**

❑ End to End applications like Crop Insurance, Fertilizer management, Planning, Assessment, etc to support various sectors.

➢ **Marketing the products and Services**

❑ Marketing of products and services of Bhuvan to expand its users.

➢ **Citizen Centric Applications**

❑ Improved citizen centric applications by densifying civic amenities information and urban infrastructure.

Opportunities through Bhuvan

The workshop shall deliberate on the following major opportunities for best solutions to popularize Bhuvan and expanding its user base.

➢ **DaaS - Satellite Data as a Service**

❑ Utilizing Platform for visualization services and marketing of various satellite data & enabling easy availability of valuable geospatial data.

➢ **PaaS - Platform as a Service**

❑ Utilizing Platform (Hardware, Software and Core data) to create and maintain applications.

➢ **TaaS - Thematic Maps as a Service**

❑ Catalogue of (Archived/Updated) thematic maps – Land Use Land Cover (250k/ 50k/ 10k/ 4k), Urban Land Use (10k/, 4K), Waste Land, Geomorphology, Soil, Ground Water, etc.
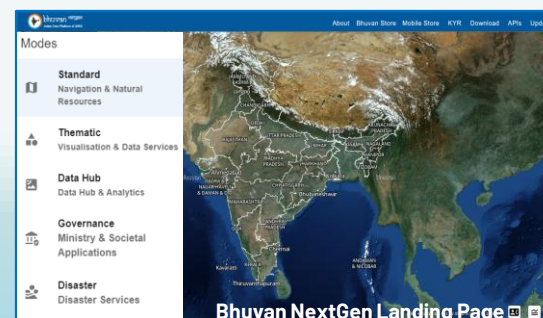
➢ **VaaS - Value added Applications/Solutions as a Service**

❑ Creating AI/ML pipelines for data analytics using Bhuvan resources.

➢ **SaaS - Software (Web-GIS) modules as a Service**

❑ Generating customized (web-GIS) software modules.

➢ **CaaS - Capacity Building as a Service**

❑ Providing Training on Geospatial Technologies and Latest Trends; Supporting Geospatial Incubation Centres.

Bhuvan NextGen Landing Page

Data Dissemination and Analytics Platform - Bhuvan