

# **Rashtriya Krishi Vikas Yojana**

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## **Geotagging of Assets created under Infrastructure Stream**

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# **Immediate Questions**

- ① **Where are the current RKVY Assets located ?**
- ② **How to geotag and report them with best ease ?**
- ③ **How best to represent the assets under each profile/activities spatially ?**
- ④ **Whether all activities considered under Appendix C2 of RKVY operational guidelines can be geotagged successfully ?**

# What NRSC/ISRO has planned

- **A Web GIS interface with capacity to**
  - > Visualise against satellite images
  - > Analyse asset information spatially
  - > Generate statistics statewise/sectorwise for all assets
  - > Dashboard for detailed information/reporting
- **A Smartphone App for geo-tagging of assets and reporting it to Bhuvan Interface**
- **Capacity building to use ICT Tools for innovative cataloging and management of RKVY assets**

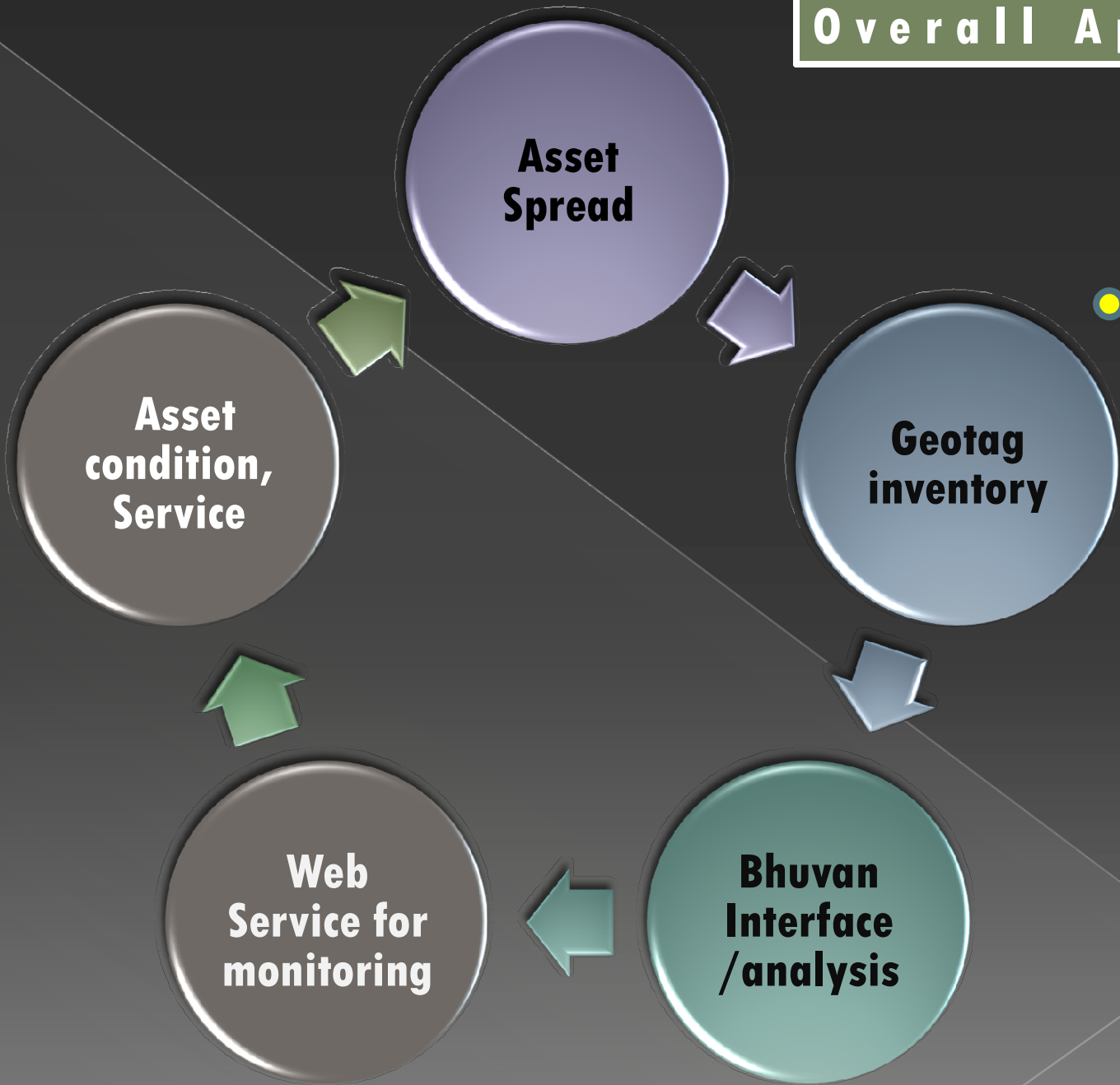
# Why NRSC and Why Spatial

- Use of space technology is emphasized in all fields of governance
- NRSC has major strengths in applying space technology for diverse governance areas
- High resolution imaging has come of age and is accessible to most. It is essential to use it for agri assets with a design
- Spatial framework of management offers scalability of information at various levels.

# Preceding applications and relevance

- ◎ **Monitoring of IWMP Projects across India**
- ◎ **NABARD Watersheds monitoring**
- ◎ **GeoMGNREGA**
- ◎ **PDMC**
- ◎ **Godowns of FCI**
- ◎ **Sugarmills Interface**

**Overall Approach**



# Approach for establishing the Bhuvan RKVY

## DACFW

- Provide Project database
- Coordinate statewide activities
- Brainstorm issues with NRSC/CELLS

## NRSC

- Build a Web portal on standard lines
- Build an app
- Capacity building and support for use of technology

## STATE CELLS

- Set up efficient and rapid geotagging campaigns
- Ensure quality of data uploaded through precise moderation

# Current Design

- ① Simple mobile app with open columns
- ① Bhuvan interface with satellite images of at least 2.5 m color natural color and basic visualisation
- ① Web based mechanism to filter asset database based on state, project sector, year and district
- ① A moderation mechanism in place for state/ district nodes to check the quality of content uploaded in terms of SPELLINGS, ASSET PHOTO QLTY , INTERNAL CONSISTENCY



**All Users to Register on Bhuvan Portal  
(State Sector/ District Sector/ Field Offices)**

**<https://bhuvan-app1.nrsc.gov.in/rkvy/register/>**

**To download App, visualise and moderate assets on Bhuvan Portal  
(District Sector/ State Sector)**

**<https://bhuvan-app1.nrsc.gov.in/rkvy>**