

National Centre of Geo-Informatics (NCoG) - <https://ncog.gov.in/>

Who are we ?

National Center of Geo-Informatics (NCoG) is a Geographic Information System (GIS) based decision support system platform, under National e-Governance Division (NeGD), which was launched on 28th December, 2015 by Honorable Minister of Communications and Information Technology, Shri Ravi Shankar Prasad. NCoG is being supported by “Bhaskaracharya Institute for Space Applications and Geo-Informatics (BISAG)”, Gujarat, as its Knowledge partner.

What are our objectives ?

- Provide a national platform for developing geo-informatics related resources and capabilities in the country
- Provide applications and solutions to all Governments, Central, State, Local self-governments in the area of geo-informatics
- Integration of Geo-informatics with Management Information System (MIS) for more value based outcomes and decision making
- Take up programmes for human resource development in the area of geo-informatics
- Take up R&D in the area of geo-informatics

What is GIS ?

Geographic Information System (GIS) is integral to Planning, Decision Making & Electronic Delivery of Services. It geo-enables e-Governance to facilitate location based information for all. Thus, implementation of GIS based Decision Support Systems (DSS) through NCoG is essential for ushering ‘Good Governance’ as it facilitates transparency, responsiveness, efficiency & effectiveness, accountability and participation across Government.

What do we do ?

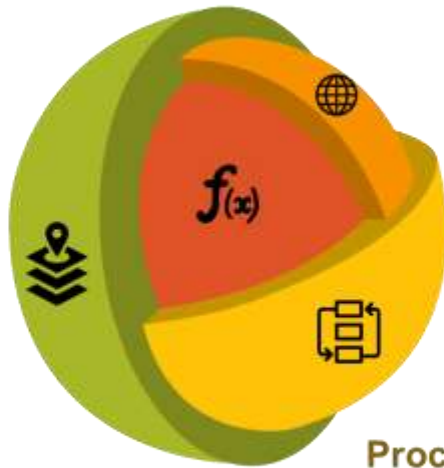
NCoG provides one of its kind of ‘GIS platform’, for sharing and collaborating GIS data source, location based analytics and ‘Decision support system’ serving to Central/State government and departments across the country. Geo-Informatics is integral to planning, decision making & electronic delivery of services, geo-enabling e-governance to facilitate location based information for all.

NCoG has facilitated the integration of GIS platform with the MIS data for Ministries and Departments across India. By enabling a better understanding of the geographic aspects, NCoG via GIS is transforming India and taking good governance to a whole new level.

Main Features of NCoG can be understood through the following diagrams:

Geospatial Science

- GIS
- Remote sensing
- Image Processing
- GPS, GNSS



Information Science

- Web
- Mobile
- MIS
- ERP

Mathematics

- Geometry
- Trigonometry
- Algebra
- Fluid Mechanics

Processes

- Guidelines
- Rules
- Regulation

TRAINING

Two way Capacity Building

DYNAMIC QUERY

- Boolean & logical
- Dashboard

OPEN SOURCE & IN-HOUSE

No use of proprietary software, **cost saving**



GIS PLATFORM

- 1:5000 Basemap
- Web enabled & deployed on Cloud

AUTHENTICATION

By Owner agency

COMPATIBILITY

Multi-purpose geodatasets

What have we done ?

NCoG has launched many GIS based applications, which are at various stages of implementation, that have helped address a number of areas ranging from Government Land Information, Rural Electrification, Irrigation & Water Resources, Industrial Information and Aspirational Districts to Mining Surveillance, Saltpan Information, National Highways, Coal Mines Surveillance and ITBP among others. With each new day and fresh challenges, NCOG is leveraging geo-informatics to transform India into a digitally empowered society and knowledge economy

Synopsis of some key Projects undertaken by NCoG:



Government Land Information System

Mapping of Government's owned land and assets in all parts of the country.



Mining Surveillance System

Monitoring mining activities and checking illegal mining through remote sensing technology.



Industrial Information System

Industrial Information System

One stop shop for complete industrial infrastructure, as provided by states, including clusters, parks nodes, zonal focal points etc. of the country is mapped and available as DSS



Water Resource

Water Resources

Check Dam Planning and Water Harvesting Management are the key objectives being achieved based on gradient, topography, contour & simulation for water volume



Aspirational Districts

Aspirational Districts

Aims to quickly and effectively transform the selected districts by identifying their area of issue and solution for its improvement through GIS



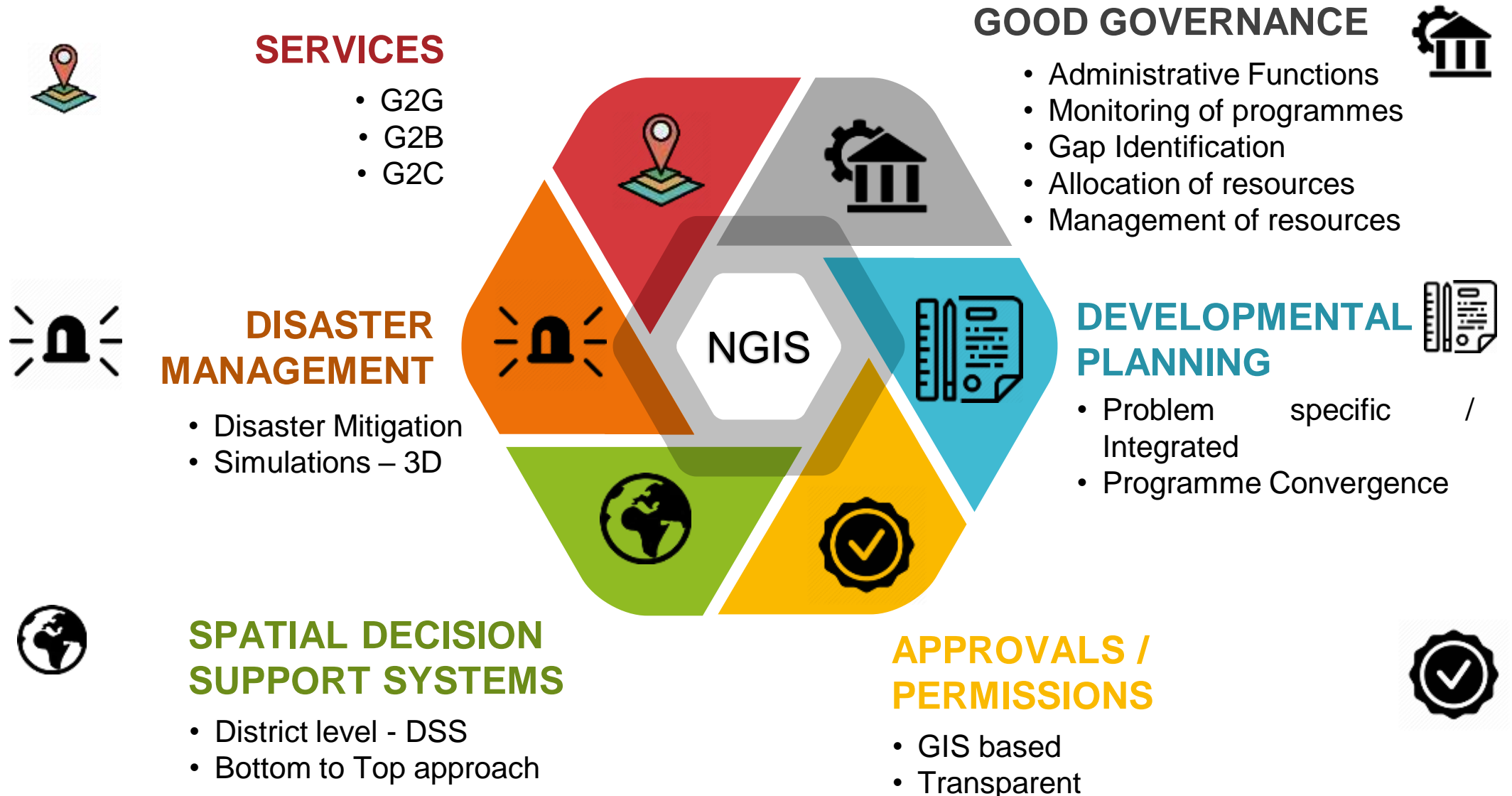
Delhi Police

Delhi Police

Crime mapping and one touch app for emergency and easy approach to the Delhi police


Note : All the projects of NCoG can be found at <https://ncog.gov.in>

NGIS Outcomes




Our Team


Vinay Thakur
Director

 011-30481618


 vinay@gov.in

Tushar Rai
Senior Consultant

 011-30481648


 tushar@digitalindia.gov.in

Roopali Rawat
GIS Expert

 11-30481654


 roopali.rawat@digitalindia.gov.in


Shiv Gupta
Manager

 011-30481648


 shiv.gupta@digitalindia.gov.in

Md Sharfuddin
Senior Developer

 +91-8287554785

 sharfuddin@digitalindia.gov.in

Sheena Bhalaik
Assistant Manager

 011-30481654

 sheena.b@digitalindia.gov.in

Vineet Singh
QA/Testing Expert

 +91-9718495664

 vineet.singh@meity.gov.in