FRAMEWORK FOR COLLABORATION SCOPE AND MODELS OF PRIVATE SECTOR ENGAGEMENT

Anamika Das
Vice President – Program
Management
Geopspatial World

TECHNOLOGY TRENDS IN LAND ADMINISTRATION AND MANAGEMENT

Integrative and Analytical BIM connected with GIS Geospatial analytics Big and linked

3D Cadastre

geospatial data

Smart and Artificial

- · Machine and deep learning
- Pattern recognition
- Bayesian network modelling

Data Management

- Blockchain
- NoSQL
- Cloud computing
- Graph databases
- Data warehousing

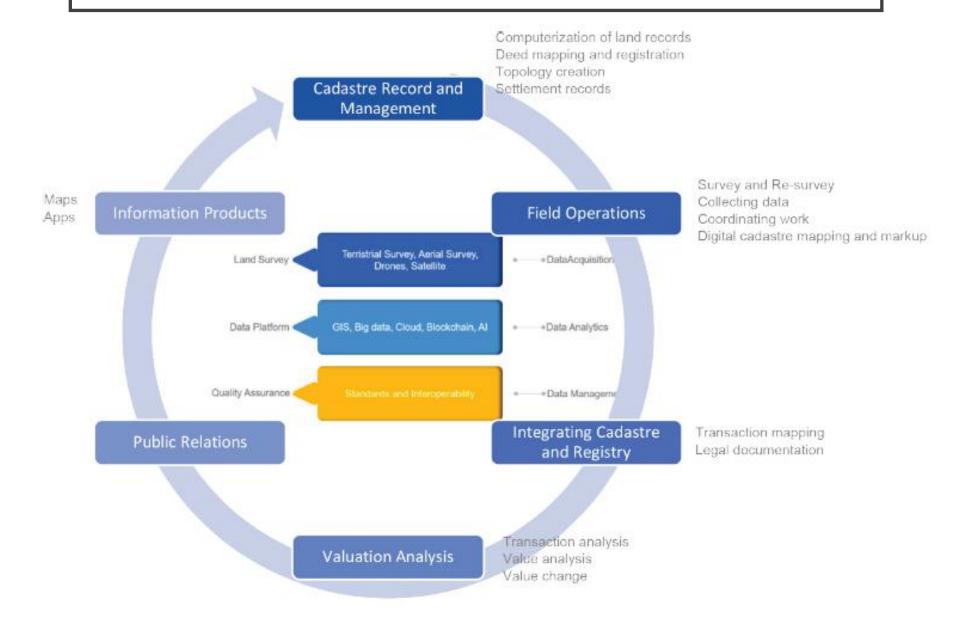
Data Acquisition

- LiDAR
- · Drone technologies
- · Miniaturized sensors
- Aerial Survey
- Satellite

Visualisation, representation and simulation

- Digital twins
- CityGML 3.0
- Extended, immersive and mixed reality

WORKFLOW OF LAND ADMINISTRATION AND INTEGRATION OF GEOSPATIAL TECHNOLOGY



MATURITY MODEL OF GEOSPATIAL ADOPTION IN LAND ADMINISTRATION





SVAMITVA YOJANA: SCOPE AND MODELS OF PRIVATE SECTOR ENGAGEMENT

SWAMITVA YOJANA



Swamitva





Launched on National Panchayati Raj day on pilot basis in 6 states



Mapping of rural inhabited land through drones & new technology



Title deeds to be issued on basis of mapping



"Swamitva" to people through identification of property rights



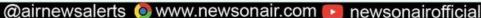
Settling property disputes in rural India



Streamline revenue collection & planning



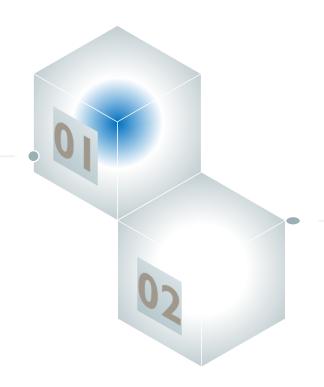






PRIVATE SECTOR ENGAGEMENT

Industry can take the entire workflow from drone flying to release of the property card as service.



Maintenance and updation of the developed data under this project is an opportunity for industries, for which industries can charge. sample text. Insert your desired text here.

CHALLENGES OF INDUSTRY



RECOMMENDATIONS TO MOPR

1

Empanelment of new members; empaneled after being tested

Match between the pricing and quality of the deliverables

Minimum pricing structure for all activities; considering the volume and economy of scale

Payment can be linked with each step of delivery across the workflow

Pricing and Payment Structure

2

Technology in the entire value chain

Utilise the cloud technology well throughout the workflow

Redoing of the tender and other overlaps can be controlled

Developed spatial data should be put in open domain; not the ownership details

Appropriate Public Private Partnership model

Data and Technology