A Step Towards G-Governance
NIC Initiatives
Geoportal https://gismp.nic.in

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Geomatics Division. NIC, MP
Present Status

- Era of G-Governance (e-Governance based on spatial data)
- High Resolution RS data availability (~ 50 cm)
- Software platforms are maturing towards Web architecture
- Present Servers configuration are suitable for Geo-processing & handling of voluminous data.
- Bandwidth is good but not satisfactory. Gigabit network/3G may resolve the issue in future.
- GIS moving from Desktop to SOA Enterprise solutions
- Cloud
## State-wide Enterprise GIS Applications

<table>
<thead>
<tr>
<th>Application</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>i-GeoApproach/eMarg</td>
<td>Internet Geomatics-based Application for Planning Rural Road Connectivity to Habitations (for MPRRDA)</td>
</tr>
<tr>
<td>GeoURS</td>
<td>GIS-based Unified Road System for all Dept. (PWD, NHAI, MPRDC, MPRRDA, RES)</td>
</tr>
<tr>
<td>GeoTnCP</td>
<td>GIS–based Land Use &amp; Planning Permission System for Town &amp; Country Planning, GoMP</td>
</tr>
<tr>
<td>GeoSearch</td>
<td>Search any Village/ Panchayat of the state. Facilitates distance &amp; area calculation (G2C), tag facilities</td>
</tr>
<tr>
<td>i-GeoAmpere</td>
<td>Internet Geomatics-based Application Model for Planning Distributions of Electricity to Rural Entities (for West &amp; Central DistCom’s)</td>
</tr>
<tr>
<td>GeoForest</td>
<td>Geomatics-based Forest Mapping (for MPFD)</td>
</tr>
<tr>
<td>GeoPlan</td>
<td>GIS-based Facility Management System for District Administration / Zila Panchyat</td>
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</table>

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## Development State-wide Enterprise GIS Application

<table>
<thead>
<tr>
<th>EIA,EMP,CAD :</th>
<th>GIS-based system for preparation of Command Area Development and EIA &amp; EMP for NVDA</th>
</tr>
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<tr>
<td>Watershed</td>
<td>GIS-based Watershed Management (For P&amp;RD, GoI)</td>
</tr>
</tbody>
</table>
| Advisory / Expert Member of Committee | 1. Revenue (Land Records)  
                              2. Rural Development  
                              3. Forest  
                              4. M.P. Council for Science & Technology  
                              5. Town & Country Planning  
                              6. Geology & Mining  
                              7. Heath  
                              8. Rajeev Gandhi Watershed Mission  
                              9. EPCO  
                             10. NSDI / NSDC                       |
| Research publications  | International, national level. Concept note on SGSI                                |

Geomatics Division. NIC, MP
Infrastructure & Expertise

- State-of-the-art Servers
- Industry Standard Software platforms
- Open Source
- In GIS domain over a decade
- Human Expertise
- Cloud / SOA based Enterprise solutions
- OGC Compliant
- Innovative development
- Supporting other states (Bihar, TamilNadu.....)
- National level contribution (MoRD, MoP, NIC, NSDI, NSDC,.....)
HRSI Expectations from NRSE

• Era of G-Governance (e-Governance based on spatial data)
• Growing demand of Geo-spatial data between the providers & users but unaware of policies
• Revenue / RD/ Urban projects demand ~ 50 cm
• Foreign data providers : Setup servers in India
• Data as service ( map / vector )
• Subscription-based data models
• Fast track clearance of data
• GAGAN
Issues & Challenges

- Era of G-Governance (e-Governance based on spatial data)
- Growing demand of Geo-spatial data between the providers & users but unaware of policies. (Google, RS data)
- Standards (projection, metadata) not followed. Inter-operability is an issue.
- Lack of own expertise. Vendor-driven. Misleading ......
- Heroic approach Vs Institutional approach
- Thinker ----- Developers
- Policy on sharing, IPR, ownership of the data
- Huge Expenditure on procurement/infrastructure/development by different dept.
- Redundant data sets
- Human resources
# Achievements

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<tr>
<th>Projects</th>
<th>Awards</th>
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<tr>
<td></td>
<td>• International Special Achievement in GIS (SAG) Award during International ESRI UC Conference 2011 held in USA</td>
</tr>
<tr>
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<td>• The Premier Geospatial State Award for the state of Madhya Pradesh by India GeoSpatial Forum in Feb’12</td>
</tr>
<tr>
<td>i-GeoApproach</td>
<td>• International Geospatial Excellence Award Jan 2011</td>
</tr>
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<td>• Winner of National e-Governance Award 2009-2010 in innovative category</td>
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<tr>
<td>i-GeoApproach</td>
<td>• Hon’ble CM of Madhya Pradesh inaugurates Geomatics-based Application &quot;i-GeoApproach&quot;</td>
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<tr>
<td>e-Gram Suvidh</td>
<td>• Prestigious national <strong>CSI-Nihilent e-Governance Award</strong> for the product e-Gram Suvidha.</td>
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Projects Presentations

- i-GeoApproach / eMarg
- GeoURS
- GeoT&CP
- GeoSearch
- i-GeoAmpere
- GeoForest
- GeoPlan
Thank You

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