



2. ČESKÉ UŽIVATELSKÉ FÓRUM GMES/COPERNICUS

Military Geospatial Support in Crisis Management

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(GEOS)

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Prague, CZE



Geographic Service of the Army of the Czech Republic

Tasks:

- Operation preparation of the national territory
- Host Nation Support (NATO, EU)
- Crisis Management
- Geospatial support in the theatre
- Peace time operation and training

Area of Geospatial Interest

Area of Geospatial Responsibility





Crisis Management



Recovery

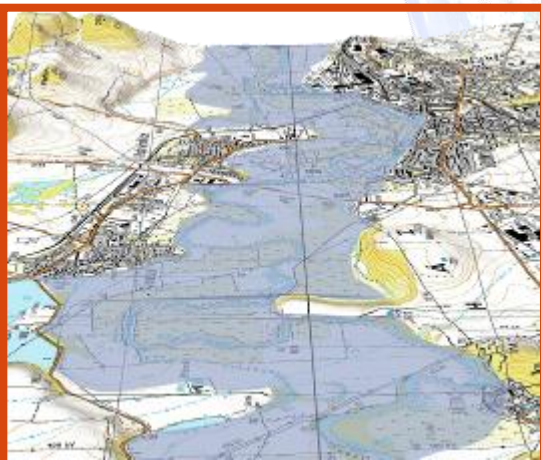
Peace Time

- Continuity
- Availability
- Reliability
- Timely



Crisis

Escalation



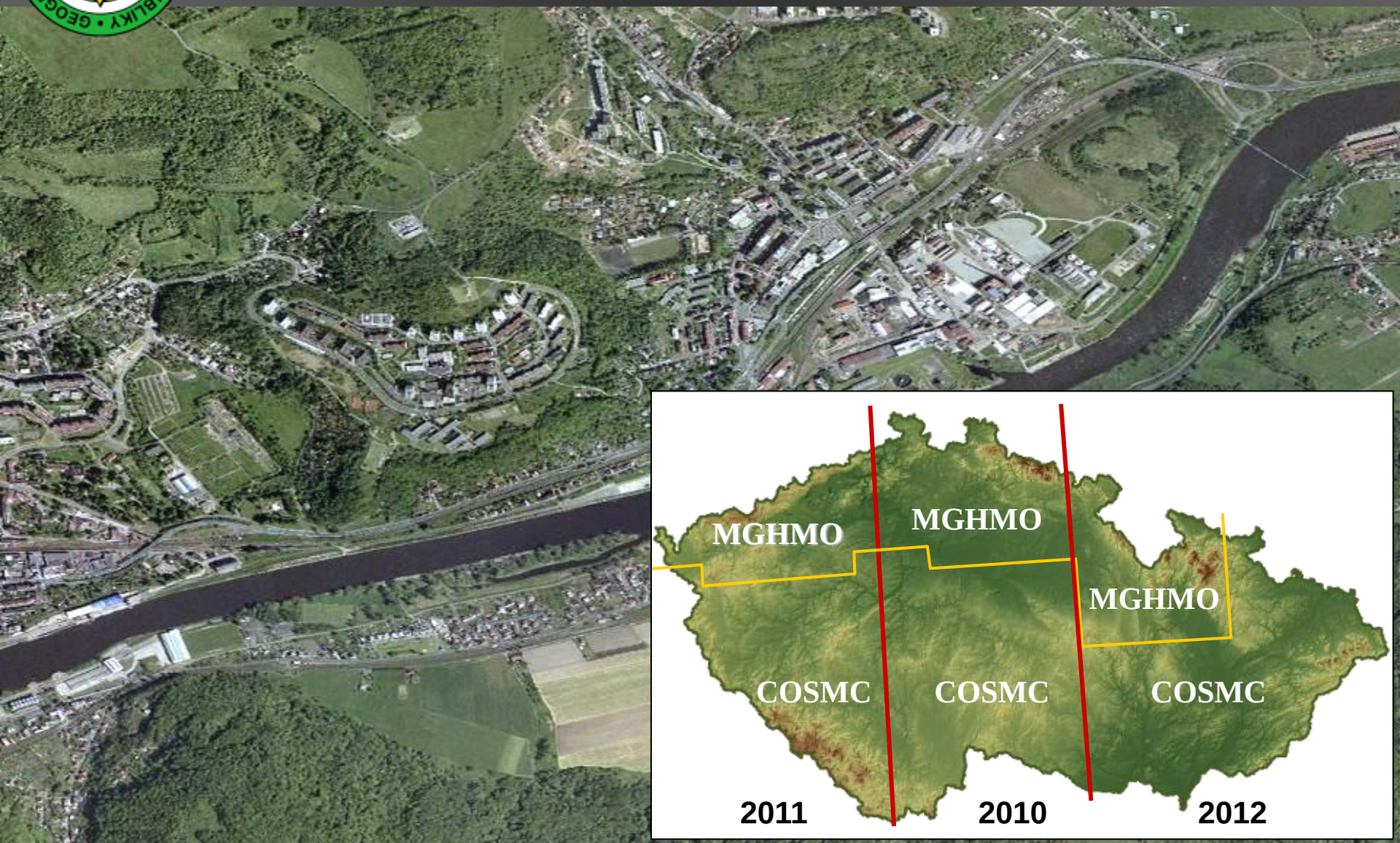


Air Reconnaissance



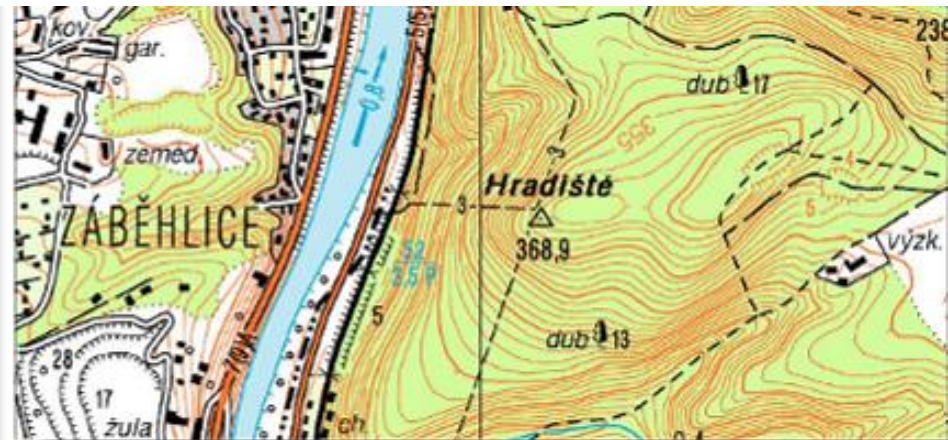
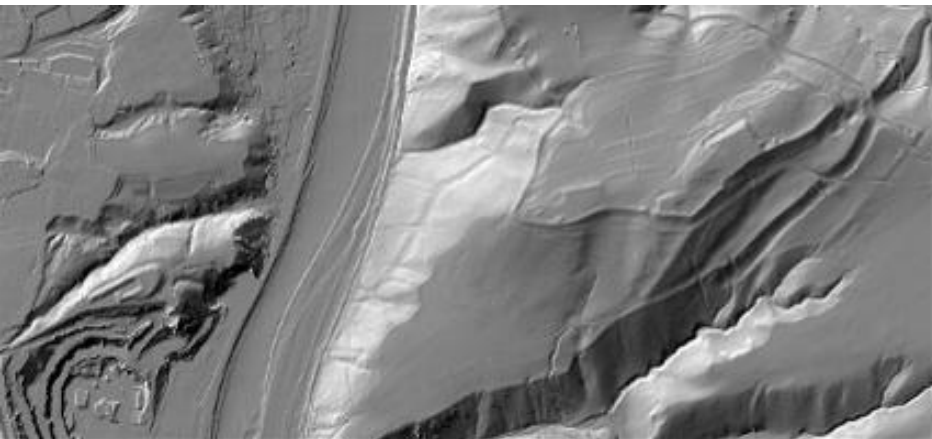
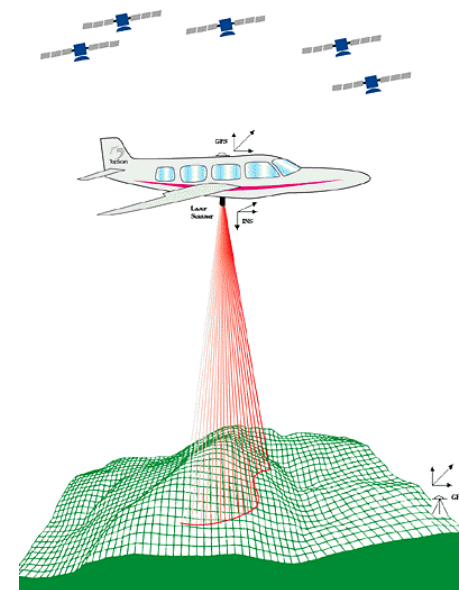
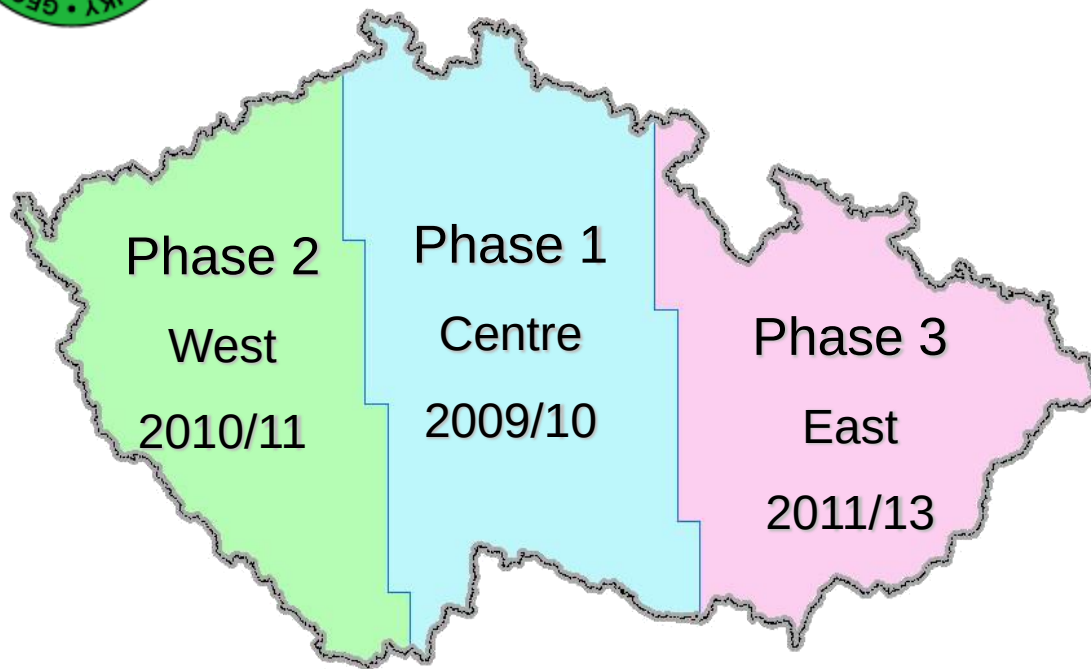


Aerial Photography





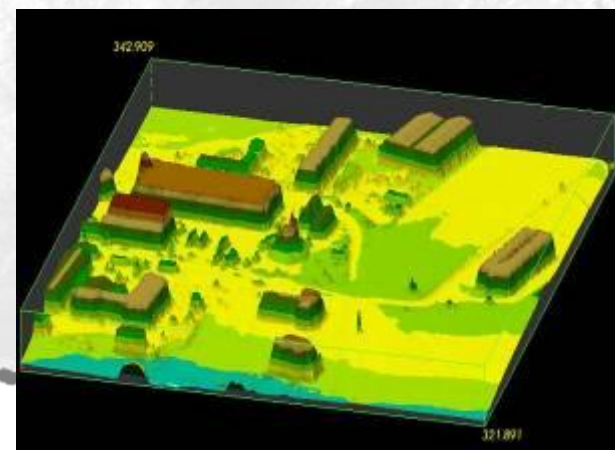
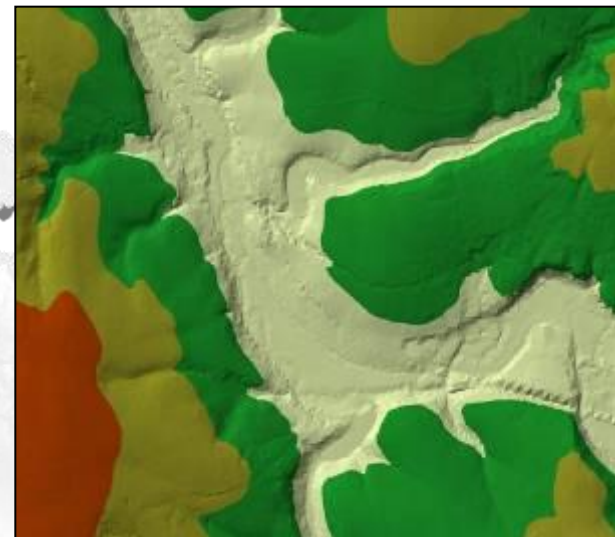
Aerial Laser Scanning





Aerial Laser Scanning - Output

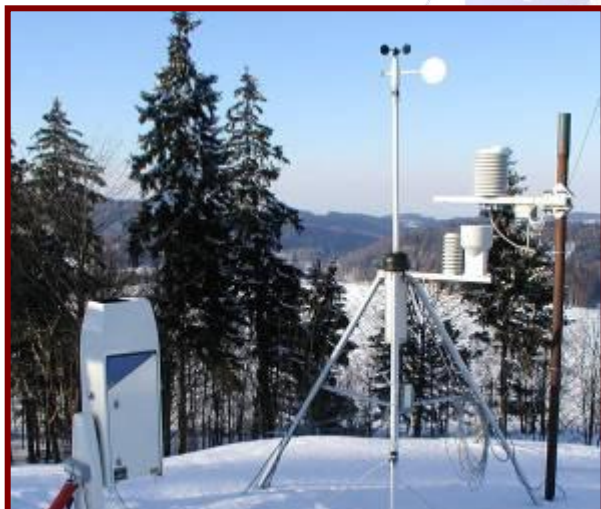
- **GRID Digital Terrain Model**
5x5 m
accuracy 30 cm
- **TIN Digital Terrain Model**
accuracy 18 cm
- **TIN Digital Surface Model**
accuracy 40 cm





Special Monitoring Station POLOM

- Seismological and Meteorological Monitoring
- National Warning Network





Natural Disasters





Multinational Geospatial Co-production Program (MGCP)

- **Scale 1:50,000**
- **Timely, precise, relevant data**
- **Sharing of effort**
- **Credit based**
- **Crisis areas coverage**
- **Fast mapping - quick impact**
- **Online data warehouse**



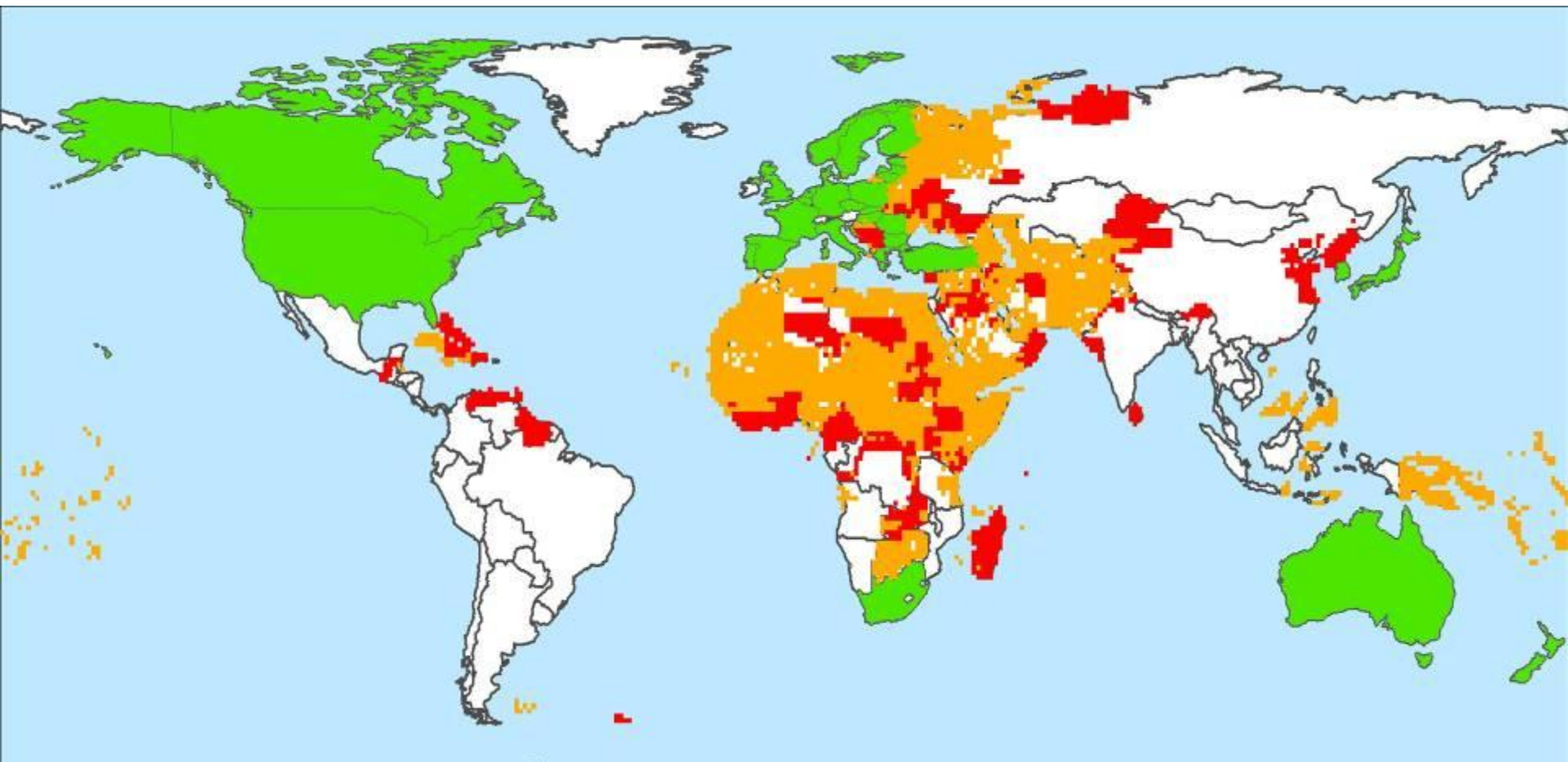


MGCP Coverage

 **MGCP
Nations**

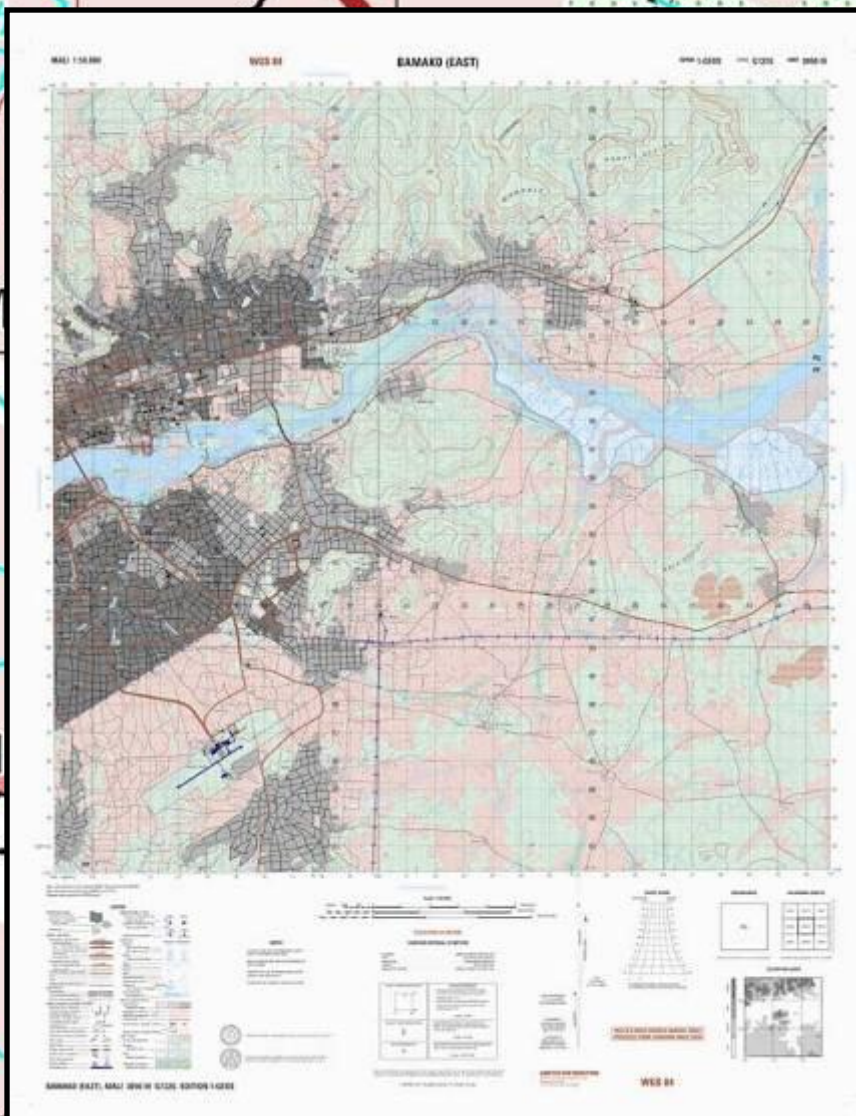
 **Data
2008-2012**

 **Data
2013-2017**





MGCP Workflow



IMAGE



Extraction



DATABASE



Symbolology

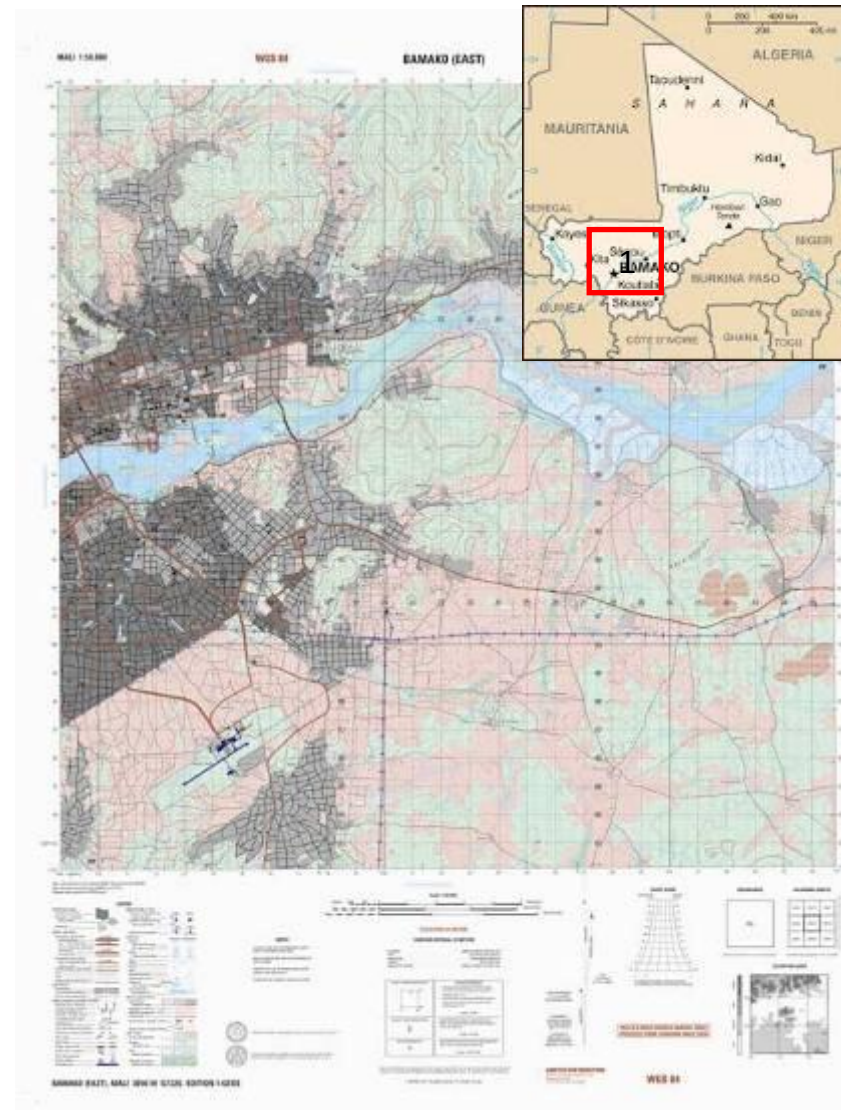
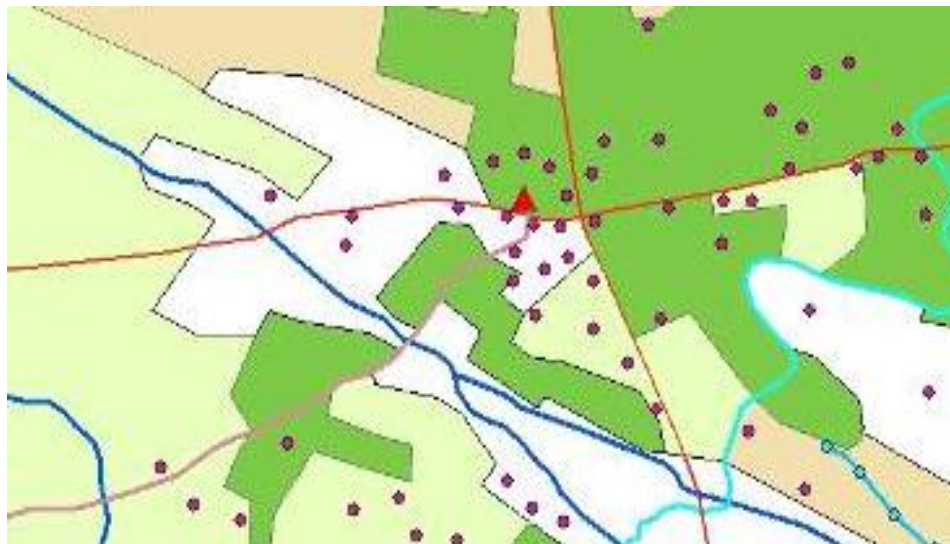


MAP



MGCP Derived Products

- Graphics
- GPS Navigation Data





Deployable Assets



SGEOB



SOUMOP



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