Multinational Geospatial Co-Production Program (MGCP)

Marzio Dellagnello, SLMR
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Global Partnerships

29 Nations take part in the Multinational Geospatial Co-Production Program

More than 400 Agreements with over 120 Countries

Geospatial Cooperation

Geospatial relationship via international organization
MGCP World

29 Member Coalition

Builds Unified Global Production Plan

Produces 25% of “available” global coverage

Promotes non-sovereign production

Flexible program to accommodate national priorities

Standard interoperable dataset by 2012

Haiti crisis support

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MGCP Partnership

• NGA has Bilateral Exchange and Cooperative Agreements (BECA) with all MGCP members
  – Requirement for NGA to share LIMDIS data

• MGCP Commercial Remote Sensing (CRS) collection strategy integrated through US requirements

• Transparency of production programs
  – Knowledge of Partners production enables rapid sharing and goodwill
  – Relationship of trust and collaboration
Innovative Approach

• Participants decided on AOR
  – Honor national priorities

• Return on Investment Scale
  – Higher contribution means greater return

• Technical Documentation involvement
  – All contributed to developing standards

• Data Quality Plan
  – Lead nations QA all data

• Certification Requirements
  – Ortho-rectification benchmarking
  – Vector extraction benchmarking
MGCP Data

• Production unit: 1 degree by 1 degree cell
• Data derived from high resolution commercial imagery
• Horizontal Accuracy: 25 meters
• Format: 2D shapefiles
• Density/Portrayal: 1:50K or 1:100K or both
• Specification: supports 95% of Topographic Line Map specification, standard NATO mapping
• Platform: No specific software requirement, as long as data is compliant to the TRD (Technical Reference Documentation)
Data Availability

• Streamlined release among MGCP members
• Unclassified but not for Public Release
  – Controlled Unclassified Information (CUI)
    • Limited Distribution
    • Restricted
• Each producing nation decides who can have access to their own data
  – Haiti cell available for public release (Canada)
January 2010 Haiti Earthquake MGCP Support

- Canada contributed 50K density MGCP Feature Data

- This data was used by NGA to produce the Haiti Multi-Purpose Atlas

- Data supported SOUTHCOM Humanitarian Relief Efforts
Haiti Earthquake Atlas – Port au Prince Map
Take-Aways

• Force Multiplier for all Participants
  – Impossible to go alone

• Unified global production plan
  – Minimize duplication

• Standardization
  – Development of reusable and repeatable applications
  – Output standard products

• Way Forward
  – Continue to improve data standards beyond 2012

• TRD production available to anyone
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