



Multinational Geospatial Co-production Program (MGCP)

December 2016

NATIONAL GEOSPATIAL **NGA** INTELLIGENCE AGENCY

STRATEGY



NGA Goal

Our partners: Expand the team and embrace their contributions.
Use the power of the enterprise – to include other U.S. and allied partners

Source Directorate Goal

Strengthen Foundation GEOINT functional management through increased co-production, expanded access to content, and greater adoption of standards and policies



Multinational Geospatial Co-production Program (MGCP)

NGA must have Basic Exchange and Cooperative Agreements (BECA) with all MGCP members

- Requirement for NGA to share LIMDIS data

- MGCP implements multinational cooperation to increase global digital mapping coverage for all members (1:50K and 1:100K)
- Participation is voluntary and funded by each Participant
- Production follows each members national priorities
- Program governed by Multinational MOU
- Transparency of production
 - Enables rapid sharing and goodwill
 - Relationship of trust and collaboration



Lead Nations



Associate Nations



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MGCP Benefits

- Minimize duplication
- Partnership allows for rapid sharing and goodwill
- Standard interoperable dataset
- Adaptive and Responsive to national priorities and crisis situations

Additional Benefits

- Provide standards for ortho-photo production and data generation for international community
 - Significant because most nations were not familiar with working with satellite imagery
- Influencing standards for non-MGCP member nations in Africa, Latin America, South America, Asia/Pacific



MGCP Data

- Production unit: 1 degree by 1 degree cell
- Vector data derived from high resolution commercial imagery
- Horizontal Accuracy: 25 meters
- Format: 2D shapefiles
- Density/Portrayal: 1:50K or 1:100K or both

Quality Assurance Certification

MGCP member nations are required to pass certification requirements

Ortho-rectification benchmarking

Vector extraction benchmarking



Data & MGCP Derived Graphic (MDG) Release



- **MGCP data is Limited Distribution**
- **Producing nation owns the release of data and derived products**
Need permission from producing nation to release data and MGCP derived products to third parties (i.e., non-member nations)
- **Cells for Public Release**
W073N18, W074N18, W075N18 Haiti (TRD3 by Canada)
E022N02 Congo (TRD3 by USA)
E013N09 Cameroon (TRD4 by USA)



Lessons Learned

- Search for an equitable quid pro quo
- Standardized production
(Facilitates Fighting off the same map)
- Relationships are critical
- Don't be bound by convention, history
- Patience is needed...keep a long term focus...invest in the future

No single partner has all the answers, working together we are investing in the future

