



CEOS Space Data Coordination Global Agricultural Monitoring System of Systems

Joint Experiments on Crop Assessment and Monitoring (JECAM)

SIT-26 – Frascati, Italy, 23-24 May, 2011

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Global Agricultural Monitoring System of Systems

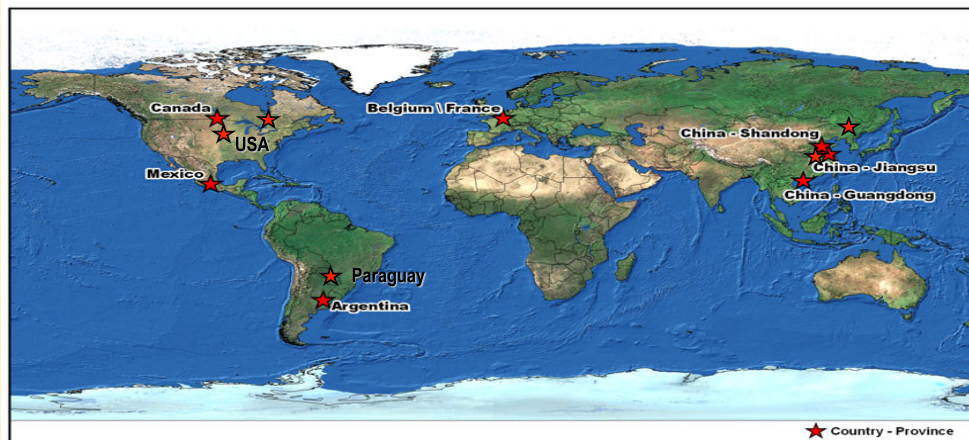
GEO Task AG-07-03

- Jointly led by Canada, the European Commission, and the United States.
- Established the **Joint Experiments on Crop Assessment and Monitoring (JECAM)** to:
 - Reach a convergence of approaches, develop monitoring and reporting protocols and best practices for a variety of global agricultural systems.
 - Provide a much-needed framework for a concerted international effort to improve global agricultural monitoring capabilities and enhance food security through the use of remote sensing data.
- The implementation of the GEO Task AG-07-03 **requires free, open, and timely access to satellite data and products** for global agriculture monitoring.

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Joint Experiments on Crop Assessment and Monitoring (JECAM)

- Activities undertaken at **12 initial test sites, limited in size**, which represent the world's main cropping systems and agricultural practices.
- Anticipated demonstration time frame is three to five years.



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Joint Experiments on Crop Assessment and Monitoring (JECAM)

- The approach is to **collect and share**
 - Time-series datasets from a variety of Earth observing satellites useful for agricultural monitoring
 - *In-situ* crop and meteorological measurements for each site
 - Distributed data holdings, with each supporting agency determining data location and user access protocols
- To this end, member CEOS agencies and other data providers are being asked to support this activity with the **acquisition and timely provision of data for JECAM**
 - CEOS Plenary Action 24-10: **“CEOS Agencies with supporting missions are encouraged to respond to the request for support to JECAM.”**

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Initial CEOS Response to GEO

ASI Letter – April 2011

- Reference to JECAM side discussion during February 16-17 CEOS-GEO Actions Workshop
- CEOS-initiated working dialogue with JECAM Project Office
 - Agriculture SBA Coordinator
 - Land Surface Imaging Constellation
 - CEOS Systems Engineering Office
 - CEO/DCEO
- Seeking sufficiently large number of CEOS member agencies to support project, along lines similar to FCT initiative
- Upcoming CEOS SIT review/discussion
- JECAM Data Coordination meeting no later than June 2011
 - *Note: Meeting subsequently scheduled and invitations subsequently sent to relevant CEOS Agency Principals/Contacts and commercial data providers*

JECAM Space Agency Points of Contact

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Request to SIT for JECAM Support

- **Encourage CEOS Space Agency Data Support**
- **Establish/confirm points of contact with each agency to coordinate data acquisition and distribution**
 - Gain agreement from the agencies to participate
- **Agency POCs' participation in JECAM Space Data Coordination Meeting, June 21-23, Ottawa, Canada**
 - Draw on experience/success achieved by CEOS support to FCT
 - Review JECAM Science Plan and User Requirements
 - Analyze related data acquisition requirements
 - Consider data acquisition protocols
 - Discuss prospective data access/use conditions