

# **JECAM and the GEO-G20 Global Agricultural Monitoring Initiative**

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# Activity Status 1 of 3

- **Accomplishments since 2010 Plenary:**
  - **GEO Joint Experiment for Crop Area Monitoring (JECAM) Space Data Coordination Meeting (June 21-22, Ottawa, Canada)**
    - Participating Space Agencies: CSA, DLR, JAXA, NASA, USGS
    - Participating Commercial Data Providers: Digital Globe, DMCII, MDA,
    - Also attended by NASA SEO, AAFC, and contractor support
    - GEO Secretariat Staff participation via teleconference
    - ...total of 18 participants
    - Others expressing support: GISTDA, INPE, ISRO, GeoEye



# Activity Status 2 of 3

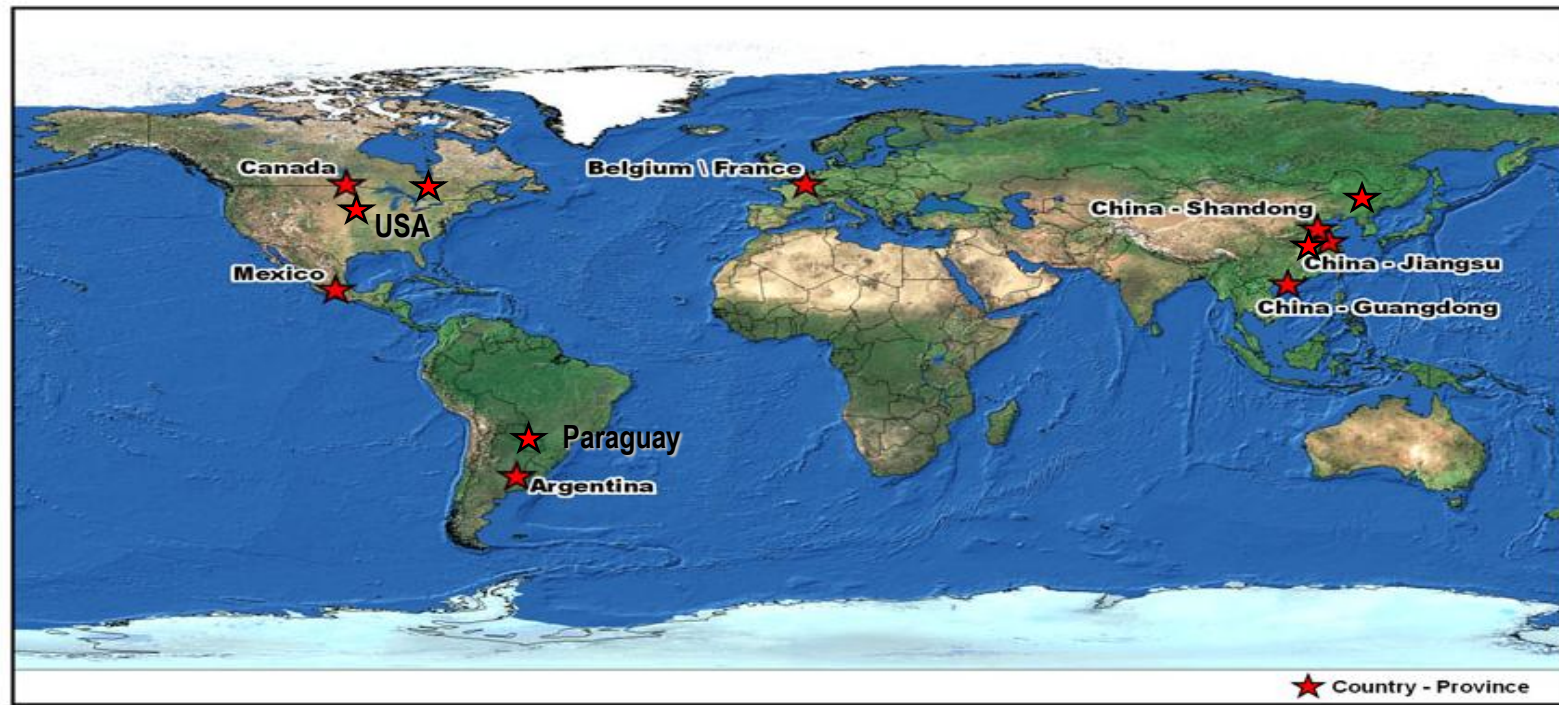
- **Accomplishments since 2010 Plenary (cont'd):**
  - **Draft Minutes of the meeting released**
  - **Science Charter released**
  - **12 JECAM site coordinates made available**
  - **Detailed dialogue with AAFC and site coordinators to better define data needs**
  - **JECAM site EO data requests have been provided to interested space agencies and commercial data providers**
  - **EO data acquisition for JECAM sites initiated for the Paraguay and Argentina sites (S. Hemisphere growing season, expected achievement before end of 2011)**

**Note: NASA SEO (Systems Engineering Office) has developed a data acquisition planning template to obtain data requests from science sites for COVE (CEOS Visualization Environment) analyses and the identification of potential acquisitions (contact: Brian Killough, NASA SEO)**

# Activity Status 3 of 3



- Accomplishments since 2010 Plenary:
  - 12 JECAM Sites confirmed





# JECAM Near Future Plan

- JECAM site data acquisition **will go on for next 3 years;**
- Continued dialogue with and coordination/support from space agencies and commercial data providers
- Next JECAM Data Coordination Meeting to include Site Coordinators, **likely to be held in early 2012 (venue and dates still to be decided)**



# GLAM Initiative

- **Action Plan on Food Price Volatility and Agriculture, G20 Agricultural Ministers Declaration, Paris 6/22-23, Launch of Global Agricultural Geo-Monitoring Initiative**
  - Enhance national agricultural reporting systems
  - Establish sustained int'l network for research/monitoring
  - Create an **operational global agricultural production monitoring system of systems** from satellite and *in situ* observations
    - “Establish a roadmap for international coordination of space agencies in the design and implementation of a satellite observing system covering agricultural production monitoring needs, and ensuring its long-term operation”
    - Specific roles and responsibilities for major actors (GEO, FAO, WMO, Space Agencies, and Agriculture Ministries) to be defined before June 2012
      - » One year preparatory phase (supporting missions and workshops)
      - » Six-year overall budget and schedule



# GLAM Initiative (cont'd)

- **GEO-G20 GLAM Meeting, Geneva, 9/22-23**
  - **Refine overall strategy for the G20 Proposal**
    - Outline a Six-Year Implementation Plan
    - Clarify governance
    - Clarify relationships with related market information initiatives
    - Outline resources/infrastructure needed for implementation
    - Identify near-term deliverables and associated cost estimates
  - **High-Priority Initiative for upcoming GEO WP and Plenary**
  - **CEOS participation in Geneva meeting**
    - Report on initial CEOS support to JECAM (science precursor)
    - Gather information on GLAM for referral to CEOS leadership for its members' consideration

***Very Ambitious - Key Issues are Funding and Agency Capacity***