

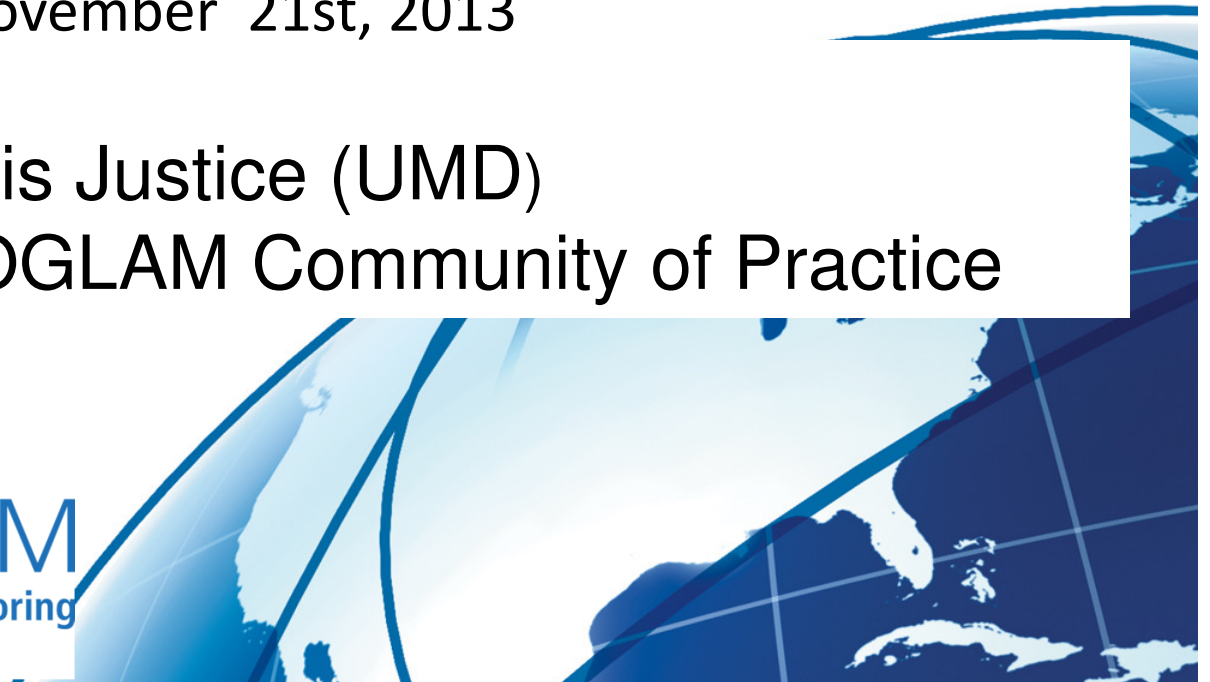
GEOGLAM: Recent Accomplishments

November 21st, 2013

Chris Justice (UMD)
on behalf of GEOGLAM Community of Practice



GEOGLAM
Global Agricultural Monitoring



Developing the EO Data Requirements for GEOGLAM: through a CEOS/GEOGLAM Technical Team

Goals of the EO Data Coordination Component .

- Articulated data requirements for agricultural monitoring
- Coordinated international satellite acquisition over agricultural areas during the growing season
- Near-real time data availability
- Standardized processing of data, facilitating data interoperability
- Easy data access for operational users
- Continuity of critical data and products

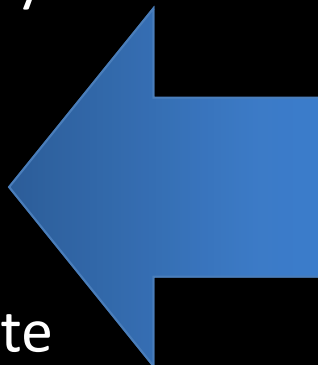
Recognition that cropping systems are inherently diverse which dictates the
monitoring observations and methods

No one system can meet ag monitoring needs

Identifying Information and Product Types

Information Products

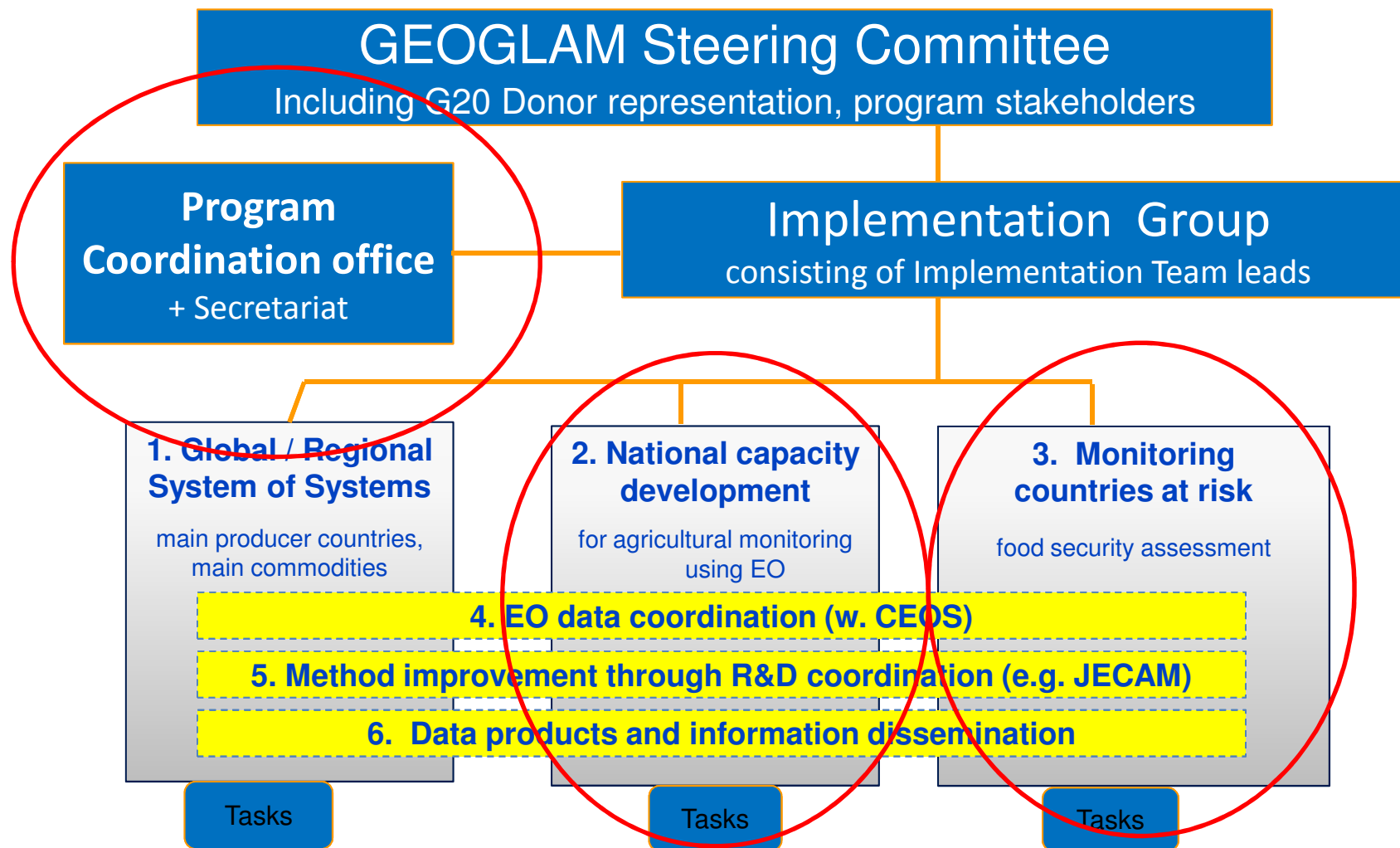
- Crop outlook / Early warning
- Area estimate
- Yield forecast
- Production estimate
- Food Sec/vulnerability report
- Statistics reports

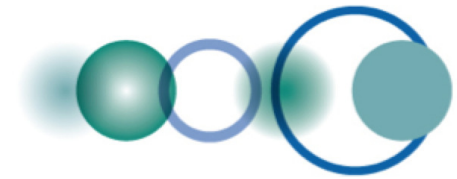


EO Data Products

- Cropland mask / Pasturelands
- Ag practices
- Crop condition indicators
- Crop type
- Biophysical variables
- Environmental variables (soil moisture)
- In-situ Weather

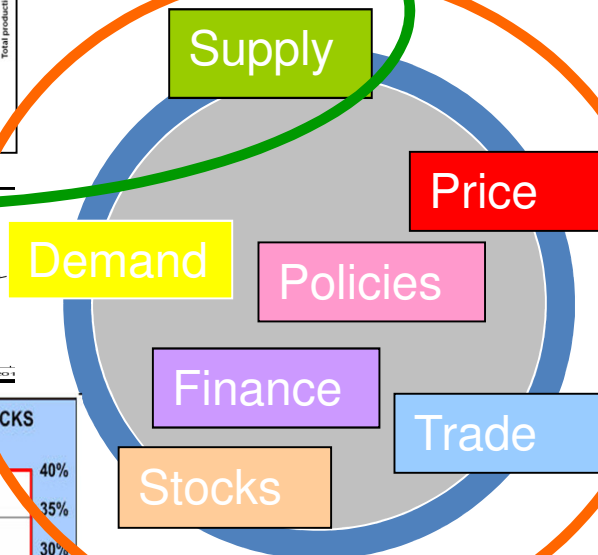
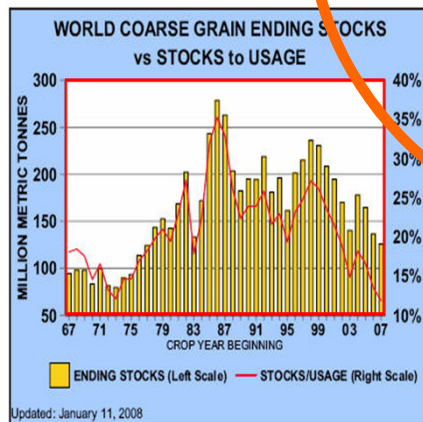
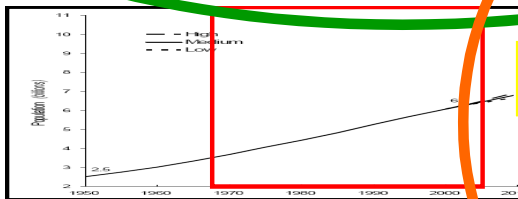
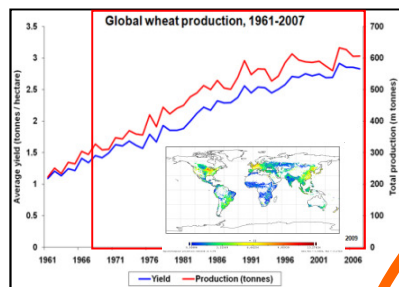
GEOGLAM Organizational Structure





GEOGLAM

***G20 - 2 initiatives to increase
information availability, quality
and transparency***



AMIS

Building the Community of Practice

Open Community made up of international and national agencies concerned with agricultural monitoring including Ministries of Ag, Space Agencies, Universities, and Industry



JECAM

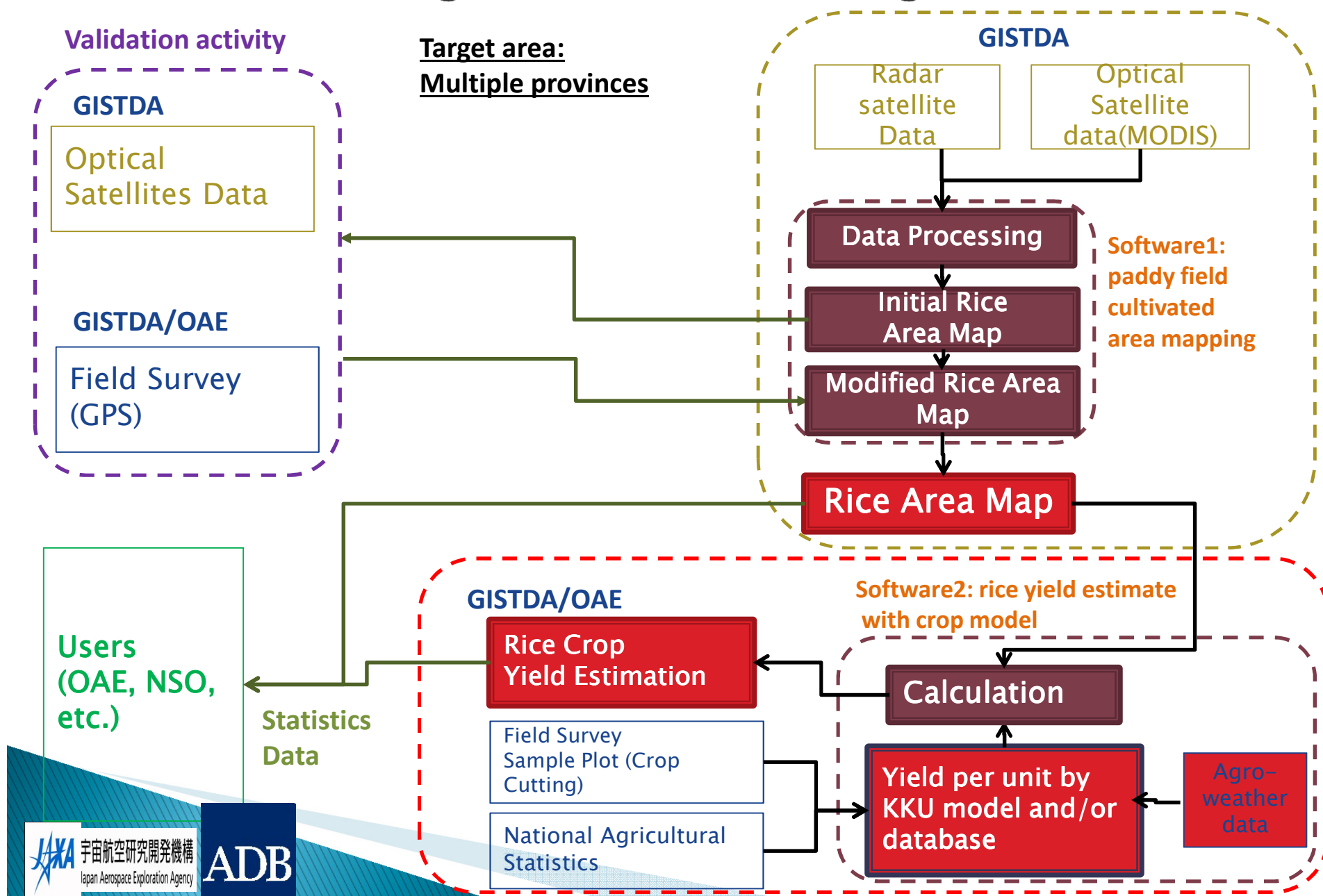
Joint Experiment for Crop Assessment and Monitoring



- JECAM activities are being undertaken at a **series of study sites** which represent many of the world's main cropping systems
- 29 sites currently exist or are in development



SE Asia Regional Rice Monitoring: Thailand



GEOGLAM Funding

- A growing and understandable international interest in Food Security
- The need for GEOGLAM is broadly recognized
- Interest now needs to translate into funding for implementation
- A major donor (EC?) is needed to show international leadership and support GEOGLAM Program Implementation (inc. staffing the Project Office) - Other donor funding(s) will then follow

Thank You
and
a very big thank you to
Joao Soares
his last meeting as
GEOGLAM
Program Coordinator
who has been
instrumental in launching
the program



GEOGLAM
Global Agricultural Monitoring