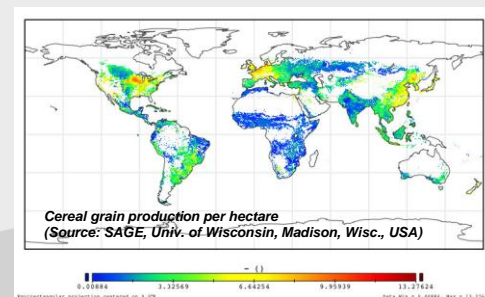




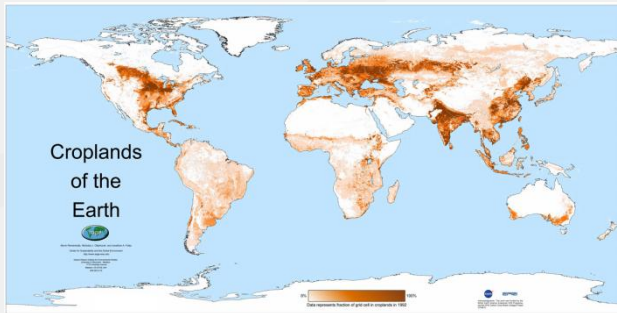
GEO-GLAM GLOBAL AGRICULTURAL MONITORING

Jai Singh Parihar
for the **GEOGLAM** group and **GEO Agriculture Community of Practice**

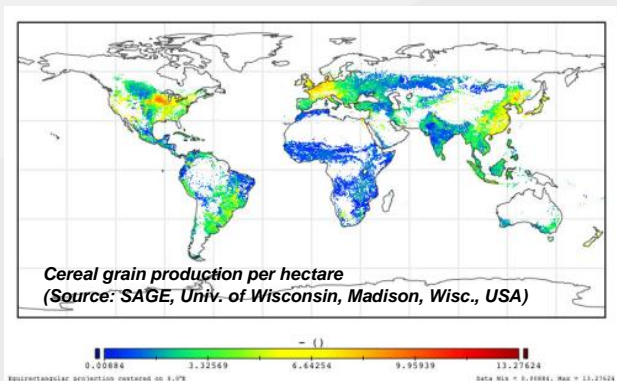


1. The GEO-GLAM Initiative : Objectives

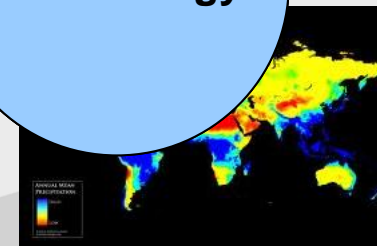
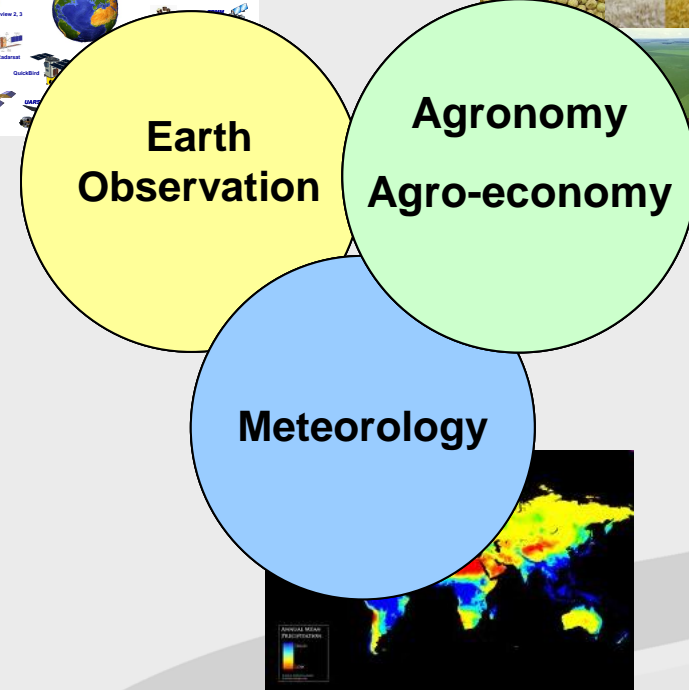
To reinforce the international community's capacity to produce and disseminate relevant, timely and accurate forecasts of agricultural production at national, regional and global scales.



Cultivated area / crop type area



Crop yield forecast



1. The GEO-GLAM Initiative : Background (G20 2011)

Global Agriculture Monitoring

*Seguimiento global
de la Agricultura*

شاملة زراعة مونتور

*Globales
Landwirtschaftliches
Monitoring*

ग्लोबल एग्रीकल्चरल मॉनिटरिंग

*Monitoramento
global da Agricultura*

ניסור חקלאות גלובלי

*Surveillance globale de
l'Agriculture*

Глобальный
сельскохозяйствен
ный мониторинг

全球农业监测

Σφαιρική Αγροτική
Παρακολούθηση

*Monitoraggio Globale
dell'Agricoltura*



Global Agricultural Monitoring Community of Practice (GEO Task AG-07-03a)

1. The GEO-GLAM Initiative : Background (G20 2011)



G20 Final Declaration (Nov. 2011)



44. We commit to improve market information and transparency in order to make international markets for agricultural commodities more effective. To that end, we launched:
- The "**Agricultural Market Information System**" (**AMIS**) in Rome on September 15, 2011, to improve information on markets ...;
 - The "**Global Agricultural Geo-monitoring Initiative**" (**GEOGLAM**) in Geneva on September 22-23, 2011, to coordinate satellite monitoring observation systems ... to enhance crop production projections ...

2. The GEO-GLAM Initiative : Actions and outputs

Action 1. Strengthening national capacities for agric. monitoring
capacity development for the use of EO, experience sharing, research

Action 2. Global and regional agricultural monitoring Systems
Harmonizing, connecting, strengthening inter-comparing existing systems, disseminating information.

Action 3. At risk regions and countries agricultural monitoring
Improving monitoring methods, tools and systems for vulnerable agricultural systems

Action 4. Global Earth observation system of systems for agricult.
Developing an operational system : coordinated satellite and in-situ Earth Observation and weather forecasting;

Long term commitment. Full and open data policy.

2. The GEO-GLAM Initiative : Actions and outputs

Deliverable 1 : Access to Earth Observation data for agriculture monitoring

Deliverable 2 : Access to Meteorological data and forecasts

Deliverable 3 : Cultivated areas, crop-type distribution, crop yield forecasts

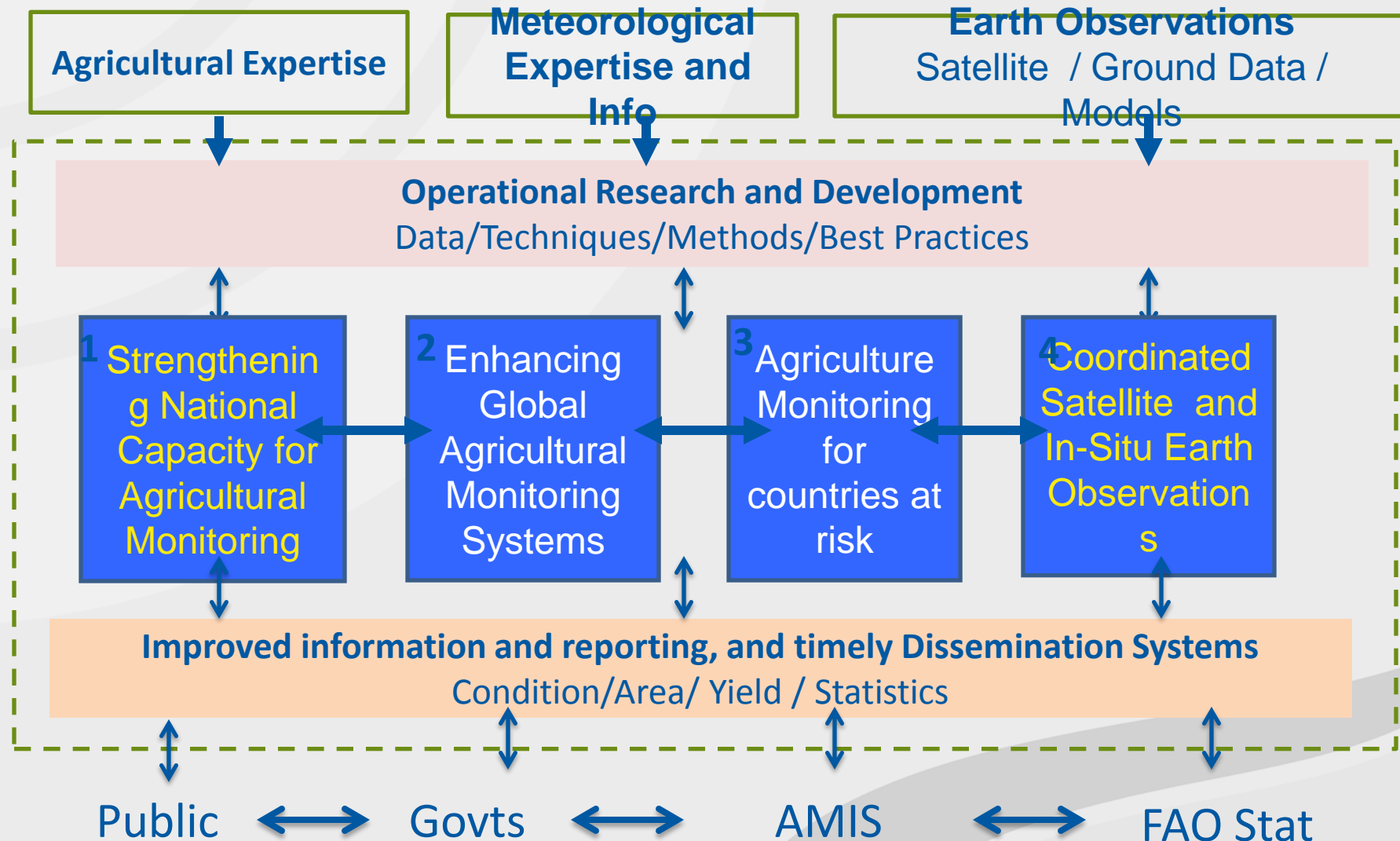
Deliverable 4 : Improved monitoring methods

Deliverable 5 : Strengthened national agricultural monitoring capacities

Deliverable 6 : Dissemination of data to stakeholders;

Deliverable 7 : A sustained Earth observation system of systems for agricultural monitoring,

3. The GEO-GLAM Initiative : Components



4. Linking

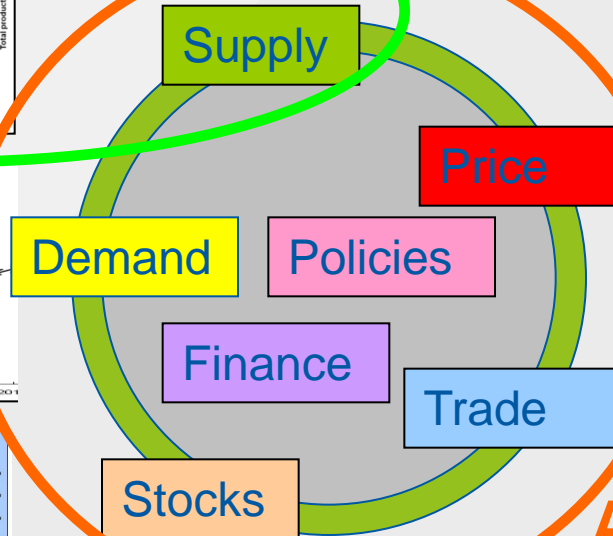
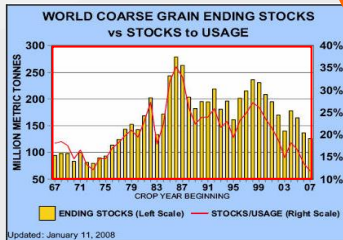
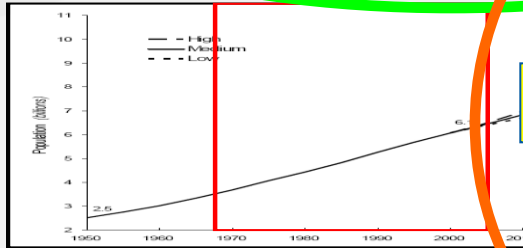
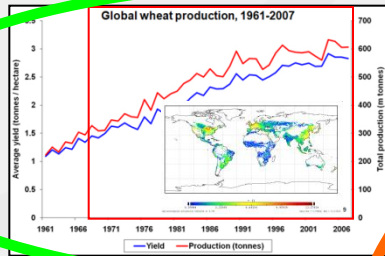


GEO-GLAM
Global Agricultural Monitoring

and



GEOGLAM



AMIS

International effort to increase information availability, quality and transparency



4. Linking



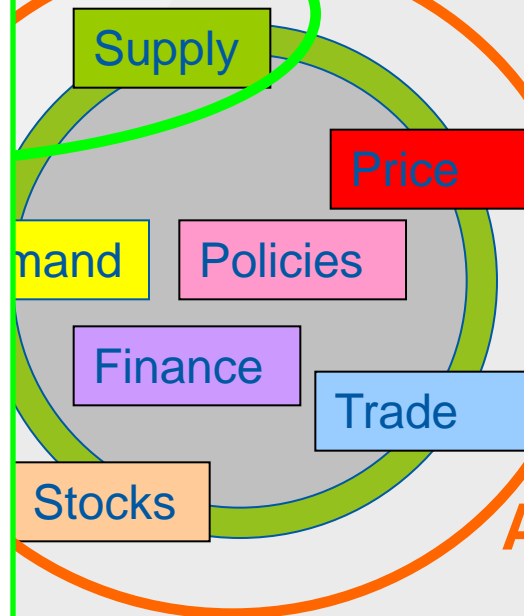
GEO-GLAM
Global Agricultural Monitoring

and



GEOGLAM to AMIS

- Quarterly expert crop assessment (conditions,...)
- Yield forecast component
- Improved national and reg. monitoring capacities
- Scientific support and method development (ability to answer specif. demands)
- Enhanced existing global figures and analysis
- Figures for at risk regions and countries



International effort to increase information availability, quality and transparency



AMIS to GEOGLAM

- Feedback on figures and joint analysis
- Sharing information on agricultural production systems and their evolution
- Identification of capacity development needs

5. The GEO-GLAM Initiative : Status and agenda

Key actors of the Initiative :

International entities : GEO, FAO, WMO, CEOS, CGIAR

Operational actors : GEO Agriculture Community of Practice
Regional and National organisations
Private actors, NGOs



5. The GEO-GLAM Initiative : Status and agenda

Jan.- May 2011 :	Initial design in the framework of G20 priorities
June 2011 :	Adoption by G20 Agriculture Action Plan
Sept. 2011 :	International GEO-GLAM meeting at GEO Geneva
Nov. 2011 :	G20 Final Declaration (GEO-GLAM art. 44)
Nov. 2011 :	Presentation at GEO VIII Plenary (90 countries, 60 inst.)
Nov.11 – Feb. 2012 :	Detailed action plan and budget + Governance scheme + Linkage with AMIS
<hr style="border-top: 1px dashed blue;"/>	
March – June 2012 :	Governance definition and approval Linkage with G20 Mexican presidency Securing funds for implementation Informing national and international actors
July 2012 on ... :	Implementation



[Intercomparison of global products; JECAM;](#)
[EO data access; Capacity building modules](#)



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*Thank you for your
attention*