GEOGLAM: Crop Monitoring
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GEOGLAM: Group on Earth Observations Global Agricultural Monitoring Initiative

Launched alongside AMIS, by G20 in 2011 under the French Presidency, within the Action Plan on Food Price Volatility and Agriculture; re-affirmed in 2016

G20 Final Declaration

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” (GEO-GLAM) in Geneva on September 22-23, 2011. This initiative will coordinate satellite monitoring observations of the world in order to enhance crop forecasting data.

To continue to tackle the issue of price volatility. In particular, we commit to pursue the implementation of the concrete initiatives of the 2011 G20 Action Plan on Food Price Volatility and Agriculture in dedicated forums: Agricultural Market Information System (AMIS) and the Rapid Response Forum, GEO Global Agricultural Monitoring Initiative (GEOGLAM) for market and production international monitoring, and risk management tools, such as the Platform for
Overall GEOGLAM Objective

Strengthen the international community’s capacity to provide actionable, science-driven, open, information at sub-national to global scales, in support of policies, investments and decisions, in food security, and agricultural markets within the broader context for sustainable development and climate change

- Through use of coordinated, satellite Earth Observations
- Building on existing systems

www.geoglam.org

Who We are

Open Community made up of international and national agencies concerned with agricultural monitoring including Ministries of Ag, Space agencies, Universities, & Industry
AMIS Request to GEOGLAM

- Provision of monthly, transparent, timely, crop condition assessments in primary agricultural production areas
- Reflecting an international consensus, building on existing systems
- 4 Crops: Wheat, maize, soybean, rice
- Focus: main production/export countries (AMIS Countries)
- Output: Crop Monitor, published in Market Monitor

Output Crop Condition Maps Covering AMIS Crops
Conditions as of September 28th 2016

Crops that are in other than favorable conditions are displayed on the map with their crop symbol & driver.

Quick and easy to interpret crop conditions oriented for econ and policy communities
Crop Conditions Pie Charts by Crop

as share of AMIS total production

Crop Conditions as of August 28th, 2016

Crop Monitor is an integral part of AMIS Market Monitor and work

GEOGLAM became the 11th member of the AMIS Secretariat in 2016

• First time the international community comes together to produce operational crop assessments with 40 contributing organizations & Ministries of Agriculture
• Strong collaboration between GEOGLAM and AMIS
• Bridging the gap between the EO and Econ communities
• Crop Monitor operational since 2013
Gave Rise to the Early Warning Crop Monitor
Focused on countries most vulnerable to food insecurity

Crop Conditions in May 2016 showing devastating effects of southern Africa drought that left millions in need of humanitarian assistance.

Already informing agricultural decisions.
GEOGLAM Partnership with AMIS

*A strong and fruitful relationship that is:*

- Providing public good: open, timely, science-driven information on crop condition to inform decisions and actions
- Bridging the gap between the policy/economics and the satellite earth observations communities
  - Ensuring the user community is driving the satellite monitoring agenda
- Increasing communication and knowledge transfer amongst countries and monitoring systems
  - Thereby strengthening national monitoring systems

Thank You!

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Thank You