GEOGLAM: Crop Monitor
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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 observation systems across different regions of the world in order to enhance crop production forecasting data.
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

www.cropmonitor.org
AMIS: Agricultural Market Information System

Improve market information and transparency
AMIS Countries

Account for close to 90% of global production of 4 main crops
Context: need for improved forecasts & transparency

- Within season forecasts vary between agencies
- Critical particularly in anomalous years

Colors indicate different agencies

- Squares indicate reported end of season estimates
- Circles indicate in-season forecasts

*Important Note* - This is a preliminary, unofficial version of the PAY website. All numbers published on this website are unofficial. It is requested that users read about the data sources before using the data.
Output Crop Condition Maps Covering AMIS Crops

Conditions as of September 28th 2016

Quick and easy to interpret crop conditions oriented for econ and policy communities

Crops that are in other than favorable conditions are displayed on the map with their crop symbol & driver.
Crop Conditions Pie Charts by Crop
as share of AMIS total production

Crop Conditions as of September 28th, 2016
GEOGLAM Crop Monitor Partners

40 Partners and Growing
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
Africa May Assessment

Maize East Africa

Maize Southern Africa

Maize Central America
Already informing agricultural decisions
National Crop Monitor: Tanzania Example
Operational since June 2016
GEOGLAM in discussion with multiple countries including Ukraine
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

• Critical to facilitate research to operations- validation of products, intercomparison of methods, models and systems that can be scaled up
Thank You!

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