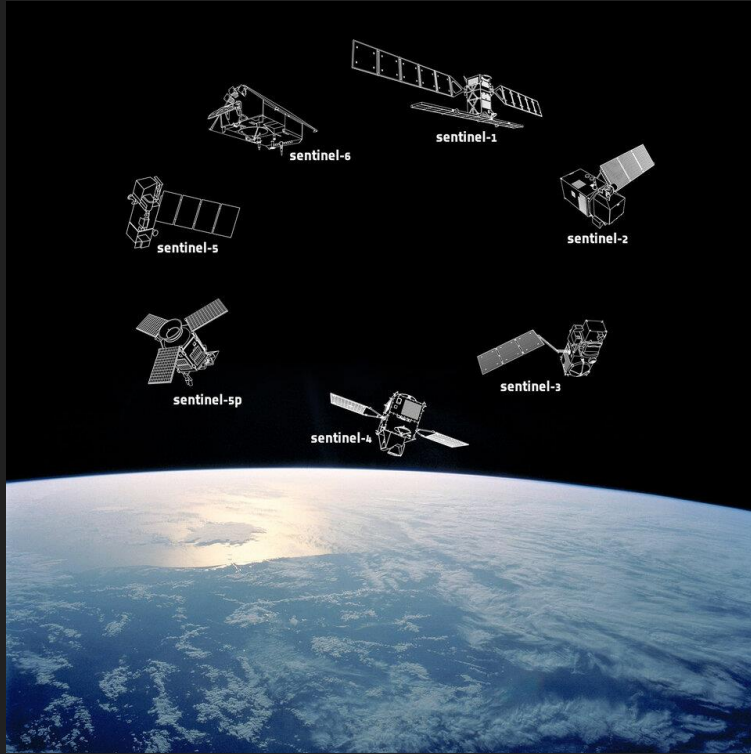




Earth Information Day 2020, November 30, 2020

Session: Recent advances in Earth observation technology and data processing to support decision making



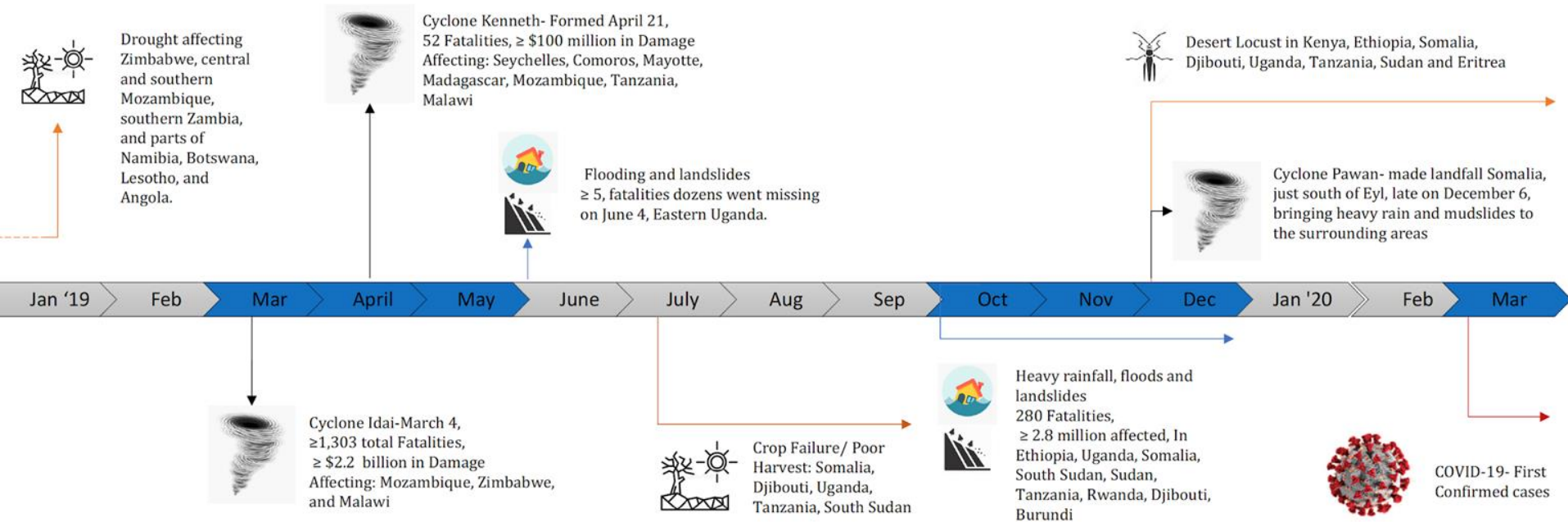
Source: ESA Copernicus programme



Source: NASA's Earth Observing System Project Science Office
Updated: October 10, 2019



Maskey, et al 2020 -Machine learning, applied to the wealth of available Earth observation data, could produce answers for many pressing questions and problems in Earth science. Credit: TheDigitalArtist, Pixabay license



Concatenation of extreme events in East and Southern Africa in 2019. Nakalembe, 2020

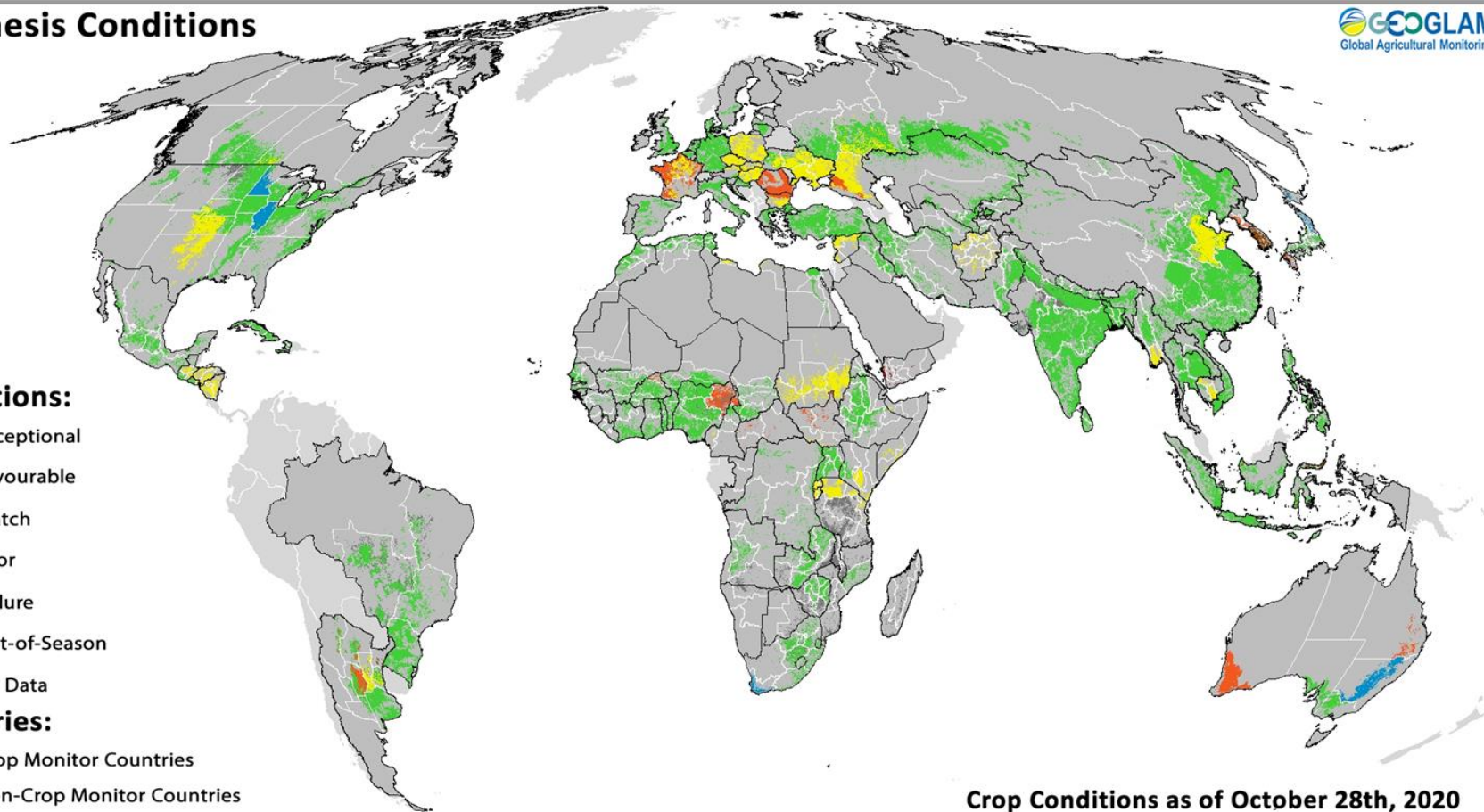
Synthesis Conditions

Conditions:

-  Exceptional
-  Favourable
-  Watch
-  Poor
-  Failure
-  Out-of-Season
-  No Data

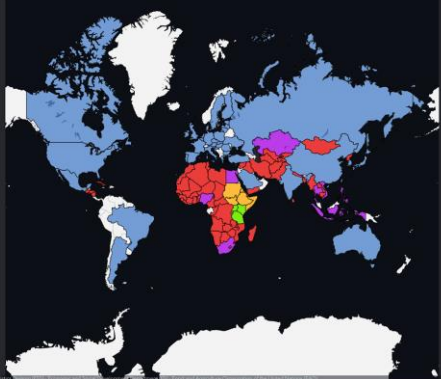
Countries:

-  Crop Monitor Countries
-  Non-Crop Monitor Countries



Crop Conditions as of October 28th, 2020

National and Regional Crop Monitors have been developed in partnership with national ministries and regional agencies to improve monitoring capabilities at different scales and to support national and regional interests. These monitors provide additional resources and information for the global Crop Monitor systems.



- AMIS Countries
- Early Warning Countries
- AMIS and EW Overlap Countries
- EW and IGAD ICPCAC Countries
- National Monitors

No. 48 - November 2007 www.cropmonitor.org

Observation:
By the end of October, conditions for the four AMIS crops (wheat, maize, sorghum, and rice) in the southern hemisphere region were mixed. In the southern hemisphere, conditions were mixed due to adverse weather while the crop is mostly in vegetative stage for wheat, conditions are generally favourable during harvest in the southern hemisphere and favourable for sowing in the southern hemisphere for rice. Conditions were improved in Southern Asia, however heavy rains have still affected parts of East Asia and Thailand. **Key areas** are given with an increase in reported production than the EU and Canada, while there are generally favourable sowing conditions in the southern hemisphere.

Contents:

- Conditions in a Global
- Global Conditions
- Major Countries
- Key Countries
- Regional Conditions
- Key Countries
- Regional Crop Status Map

No. 22 - November 2011 www.cropmonitor.org

Observation:
In East Africa, conditions have improved with average to above average reports. In southern and central Asia, most areas in the north and west have been reported as satisfactory. In the south, most areas planted in wheat, maize, sorghum and rice are in the vegetative stage and dry spells in Rajasthan across the Indian sub-continent. In the southern hemisphere, conditions are generally favourable for sowing, while heavy rains have still affected parts of East Asia and Thailand. **Key areas** are given with an increase in reported production than the EU and Canada, while there are generally favourable sowing conditions in the southern hemisphere.

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NOV 2011 NOV 2011 NOV 2011

EASTERN AFRICA CROP MONITOR BULLETIN

Overview

- Eastern Africa has been experiencing average to above average rainfall resulting in overall favourable crop conditions.
- Mixed conditions prevailed in Rwanda, Burundi for rice and beans and in those for main season maize mostly due to severe flooding and flooding.
- Poor conditions have been reported in Rwanda due to extensive damage to rice and beans.
- Most of grain stocks in the region were below the 3-month average for October. In a month of average stock, 100% increase from February and quality improvement was expected to decrease reserves the end of April or 2012.

Contents:

- Regional Crop Conditions
- Regional Crop Status and Trade Data
- Global Crop Conditions
- Global Conditions
- Major Countries
- Key Countries
- Regional Crop Status Map
- Global Conditions and Impact on Agriculture
- Global Conditions
- Global Conditions
- Global Conditions

INTERNET OF AGRICULTURE
INTERNATIONAL COOPERATION
INTERNATIONAL COOPERATION
INTERNATIONAL COOPERATION

THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF AGRICULTURE LIVESTOCK AND FISHERIES
NATIONAL FOOD SECURITY BULLETIN

U - NEWS
The United Nations World Food Programme
Monthly Bulletin of Agricultural and Food Security
NOVEMBER 2011

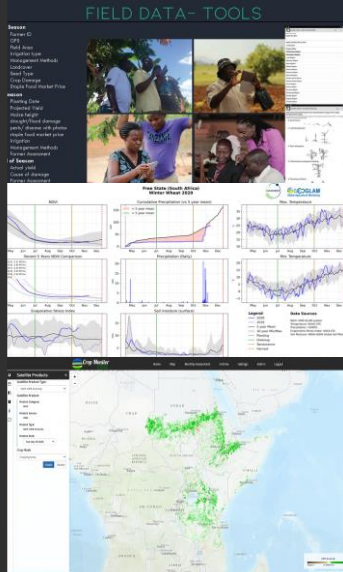
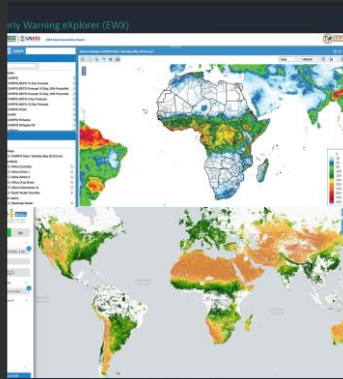
INTERNATIONAL COOPERATION
CROP PRODUCTION BULLETIN January 2012
Production Systems: Maize, Rice, and Wheat

NOV 2011 NOV 2011 NOV 2011

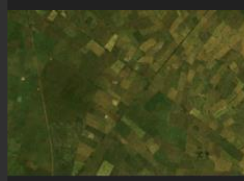
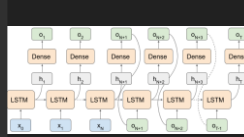
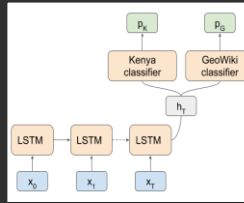
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EO Data and Systems



Methods + Analytics



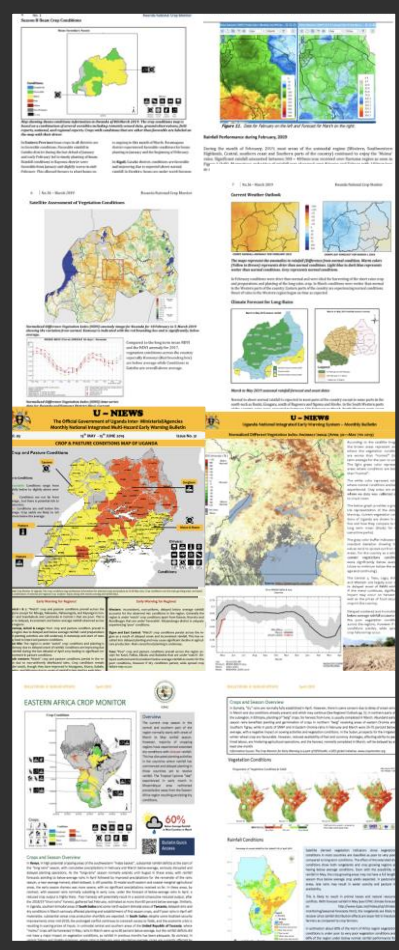
Capacity + Experts



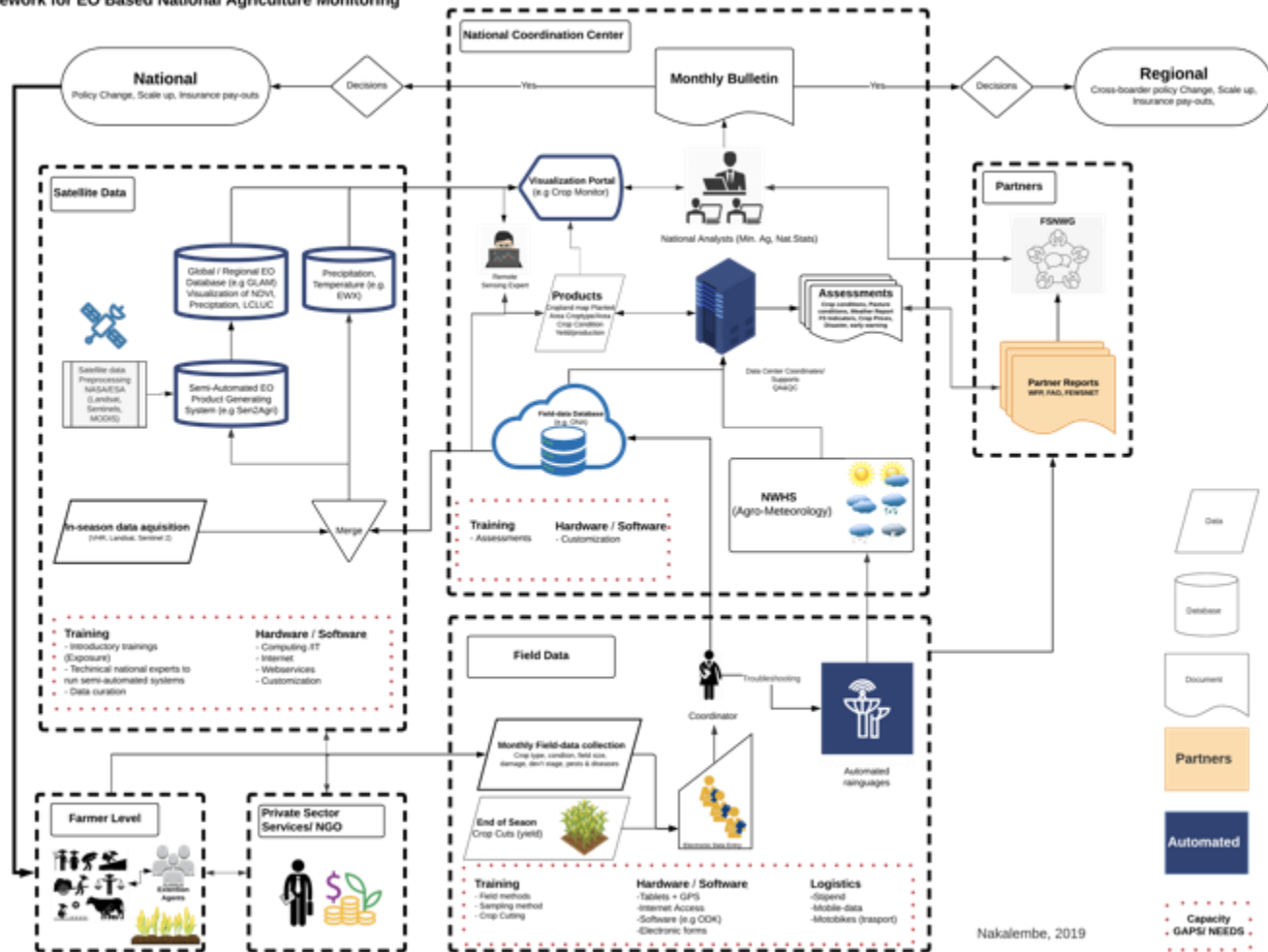
Policies & Programs



Impact



Framework for EO Based National Agriculture Monitoring





<http://geoglam.org>

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