Geospatial Data Analysis Corporation

"Monitoring the World, For a Better Tomorrow"

GDA Corp.

GDA Corp.
301 Science Park Road
Suite 112
State College, PA 16803
T: 814-237-4060
http://www.gdacorp.com

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GDA Continues to Provide Global Agricultural Intelligence Services to USDA Foreign Agricultural Service
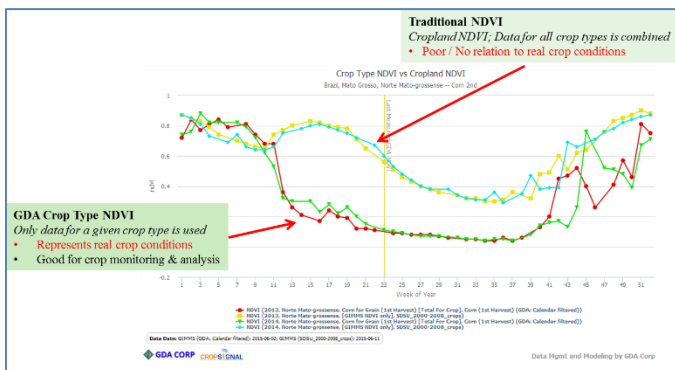
Geospatial Data Analysis Corporation (GDA) is pleased to announce a new contract award with the USDA Foreign Agricultural Service (USDA FAS)

Via this USDA SBIR Phase III award, GDA will be continuing to provide to USDA FAS subscription-level services of both GeoSynergy webGIS platform (http://www.gdacorp.com/geosynergy-webgis-service) and CropSignal web application (http://www.gdacorp.com/cropsignal-analytical-web-service), global monthly crop yield forecasts and crop condition assessments, in-season regional crop maps, global surface reflectance calibrated Landsat-class imagery, as well as NRT satellite image processing products for regional crop travel and analysis, disaster response, and special studies.
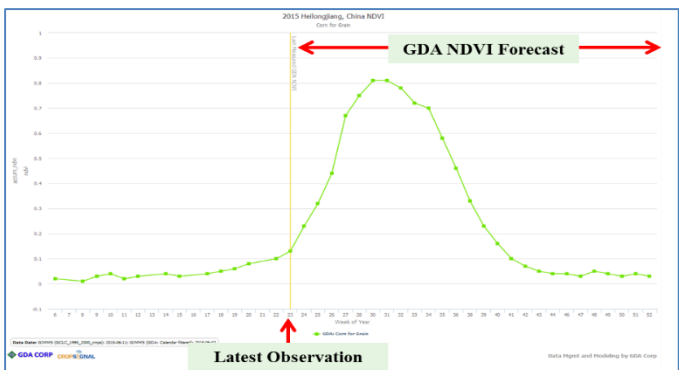
GDA President, Dr. Stephanie Hulina, stated "The contract continues and expands a successful long term relationship between the USDA and GDA. GDA is honored to be selected once again to continue our support for FAS operational efforts. GDA is uniquely positioned to supply remote sensing inputs to FAS's convergence of evidence methodologies and to support the FAS mission to provide unbiased commodity estimates to create a marketing edge for U.S. producers in world markets. We have been continually developing a science-based program in agricultural remote sensing and analysis over the last decade while further evolving our technology to be truly operational, web interactive and transparent to our clients."

New Product: *GDA Crop Type Specific NDVI Time Series*

GDA will continue providing USDA FAS with a wide range of value-added data products based on satellite imagery. Further, under this new contract GDA will start delivery of its new, crop type specific NDVI time series for major crops and agricultural regions of the world. GDA crop type NDVIs are generated by monitoring only the fields under a given crop type and thus they uniquely represent real crop conditions. Current season crop type NDVIs are provided by GDA for a complete season where current NDVI values are combined with GDA NDVI forecast for the remainder of the season. Crop specific NDVIs offer superior data for crop assessments, including GDA crop progress and crop condition analysis. Crop specific NDVIs dramatically improve yield analysis.
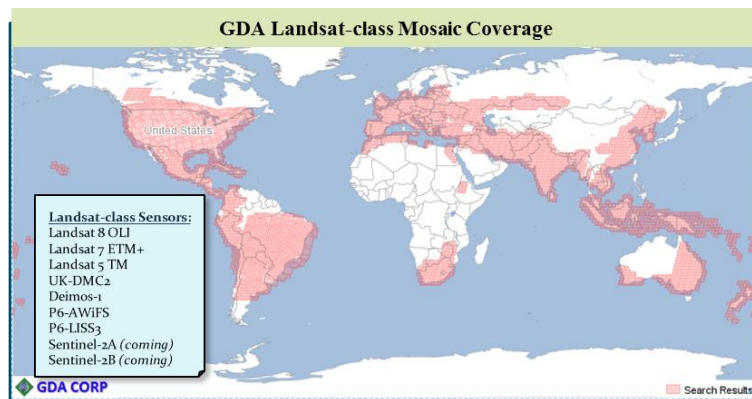

GDA Crop Type NDVI Time Series vs Traditional NDVI

GDA NDVI Forecast for the Rest of the Season

New Product: *GDA Global Frequent Landsat-class Mosaics, 2013-current*

Under this new contract GDA will start web delivery of its global (all major agricultural regions) Landsat-class mosaics. The mosaics are surface reflectance calibrated and are analysis ready. They offer full spatial resolution and all multi-spectral bands of the source imagery. Each global mosaic covers a 16-day time window. The mosaics are updated in real-time, as soon as GDA downloads the imagery, calibrates it to the surface reflectances, and generates data gap masks (all typically under 10 minutes for a Landsat scene). The mosaics can be used in real-time, on-line interactive mapping, and time series drilling.

GDA Landsat-class Mosaic Coverage

Landsat-class Sensors:
Landsat 8 OLI
Landsat 7 ETM+
Landsat 5 TM
UK-DMC2
Deimos-1
P6-AWiFS
P6-LISS3
Sentinel-2A *(coming)*
Sentinel-2B *(coming)*

GDA CORP   ☐ Search Results

Please contact us to request a demo or an access to our global Landsat-class mosaics, GDA Surface Reflectance calibrated imagery, the Crop Type specific NDVIs, and to discuss the partnership opportunities.

About USDA Foreign Agricultural Service (FAS)

USDA FAS is responsible for global crop condition assessments and estimates of area, yield, and production, especially for grains, oilseeds, and cotton. FAS's primary mission is to target, collect, analyze, and disseminate to the U.S. Government, U.S. agribusiness, and the public the most objective, timely, useful, cost-effective, and reliable global crop condition and agricultural market intelligence information.

About GDA Corp

Established in 2002, GDA is a woman-owned small business (WOSB) that provides geospatial information products and services from the majority of commercial and public Remote Sensing platforms and aids clients with their geospatial work in the agricultural, resource management, and intelligence domains, to name just a few. GDA has proudly served the USDA Foreign Agricultural Service (FAS) for the last 8 years.

GDA's Product/Service focus is in five primary areas: (i) agile development of algorithms and software for automated, operational big data processing and analysis, (ii) big data systems and protocols for routine, rapid ingest, processing, and archiving of massive amounts of Landsat and Landsat-class imagery and delivery of science-quality value-added data products, (iii) Remote Sensing-based agricultural intelligence detailing crop conditions, crop yield, crop maps, and acreage estimates at sub-national levels for major agricultural areas across the globe, (iv) regional land cover and processes monitoring, mapping and forecasting, and (v) interactive spatial analytical web processing and online geospatial services. GDA has invested years of R&D which are backed by several Phase I, II, and III U.S. Federal Small Business Innovative Research (SBIR) awards.

To learn more about GDA and GDA products and services please visit our corporate website at www.GDAcorp.com or contact Dr. Stephanie Hulina (Stephanie@GDAcorp.com).