

Imagery Theme

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Imagery Co-Theme Leads
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Discussion Topics

Imagery Theme Activity

- ❖ Theme Leadership
- ❖ Supporting Groups
- ❖ Theme Engagement
- ❖ Strategic Plan
- ❖ Implementation Plan
- ❖ Next Steps

Theme Leadership

Imagery Theme Executive Sponsors

- ❖ Tod Dabolt, DOI
- ❖ USDA (SAOGI currently vacant)

Imagery Theme Leads

- ❖ Shirley Hall, USDA/FSA
- ❖ John Cullen, DOI/USGS

Transfer of USGS Imagery Co-Theme Leadership

In 2016, USGS transferred its co-leadership from the National Geospatial Program to its Land Remote Sensing (LRS) Program

- ❖ Per National Space Policy, USGS/LRS is responsible for defining U.S. operational requirements for Land Remote Sensing satellite capabilities
- ❖ A collection-based organization that serves a broad range of public needs, including U.S. and global land science, security, and national resource management
- ❖ Operates the Landsat series of satellites using free and open data management policies
- ❖ Manages U.S. civil government access to national security space systems, including high-resolution commercial satellite data acquired by NGA
- ❖ Maintains the U.S. National Satellite Imagery Archive and hosts NASA's Land Processes Distributed Active Archive Center at its Sioux Falls, SD facility

Imagery Theme Datasets

Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER)	NASA
High Resolution Orthoimagery	USGS
Landsat 1-5 Multispectral Scanner (1972-1992)	USGS
Landsat 4-5 Thematic Mapper (1982 - present)	USGS
Landsat 7 Enhanced Thematic Mapper Scan Line Corrector Off (ETM SLC-off) (2003-present)	USGS
Moderate Resolution Imaging Spectroradiometer (MODIS) - Aqua	NASA
Moderate Resolution Imaging Spectroradiometer (MODIS) – Terra	NASA
National Agriculture Imagery Program	FSA
NOAA Coastal Mapping Remote Sensing Data	NOAA

Supporting Groups

FGDC Subcommittee

❖ National Digital Orthoimagery Program (NDOP)

❖ Erik Hund, 2017 Chair

- Develop, promote, and execute a national strategy for acquisition and development of orthoimagery data for Federal agencies
- Create and utilize partnerships with State, local, tribal, and private organizations.

Imagery Theme Engagement

DOI/USGS/LRS and USDA/FSA are working together to:

- ❖ align their respective programs
- ❖ identify common and independent areas of emphasis and interest
- ❖ begin to formulate a common framework for imagery collection and licensing to remove obstacles in national collection plans.

Joint Activities – Stakeholder Engagement

Engaged Administration contacts to address fulfillment of FGDC imagery needs

- ❖ USDA and DOI conducted user surveys to identify needs and preferences for high-resolution data
- ❖ USGS/LRS met with National Security Council and Office of Science and Technology Policy (OSTP) space policy leadership to discuss improved civil government access to Intelligence Community commercial satellite data
- ❖ LRS championed high-resolution satellite data needs in the OSTP National Plan for Civil Earth Observations
- ❖ LRS and FSA engaged NGA and GSA in their plans to use the IT Services Schedule for Federal, State and Local acquisition of Earth Observation data and services

Joint Activities – Stakeholder Engagement

Stakeholder Engagement

- ❖ Led 2016 NDOP Steering Committee discussions on a wide variety of topics
 - The range and variety of how imagery is used -- from regulatory and compliance monitoring to field mapping to scientific assessment
 - The complementary nature and differences among aerial and satellite collection systems, emerging uses of multi-sensor suites (EO Imagery, Lidar, SAR, and other), and trends in commercial imagery services
 - The importance of public ownership, availability, and distribution of data to meet public service needs
 - The expansion of NDOP membership to include other imagery providers

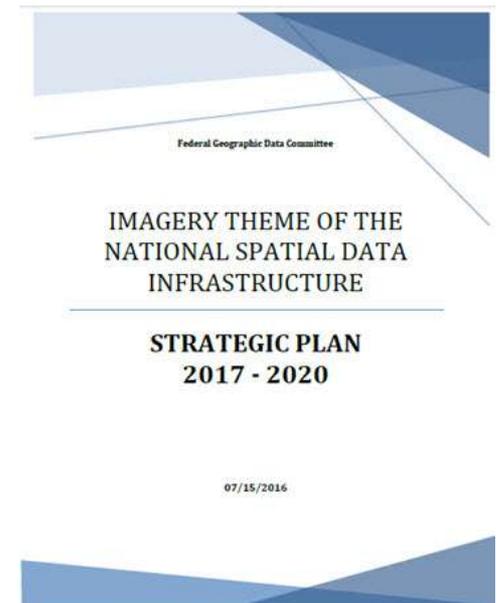
- ❖ Strategic Plan Working Session I, Washington, DC May 24, 2016
- ❖ Strategic Plan Working Session II, Washington, DC June 2, 2016

Imagery Theme Strategic Plan

Imagery Strategic Plan can be found at:
<https://cms.geoplatform.gov/a16imagery-home>

Vision: To have full, open and non-duplicative data acquisition and access to meet and exceed imagery needs across the Federal spectrum.

Mission: To develop and promote for the fifty States and Insular Areas a budget-aware and cost-efficient national strategy to acquire and access orthoimagery that meets Federal agency requirements, while being flexible enough to create partnerships with State, local, tribal, and private organizations.



Strategic Plan

Imagery Theme Desired State

- ❖ Leverage shared and open standards based services and applications
- ❖ Rapidly utilize suitable, cost-effective technologies to meet business requirements
- ❖ Optimize discovery and access of imagery ensuring widespread use
- ❖ Maintain program consistency for the various user communities that are dependent on identified datasets

Strategic Plan

Goals and Objectives

- ❖ Fulfill Agency Imagery Business Requirements
 - ❖ Identify Agency requirements
 - ❖ Identify mechanism to meet Agency requirements and build effect partnerships
 - ❖ Assess imagery requirement fulfillment
 - ❖ Create optimized funding models

- ❖ Facilitate the Availability and Usage of Imagery and Geospatial Data
 - ❖ Support and collaboration
 - ❖ Data-sharing

Implementation Plan

Implementation of Imagery Strategic Plan Goals and Objectives

❖ Near Term Actions

- ❖ Identify Department-wide imagery contacts (FY2017)
- ❖ Evaluate individual agency/program land imaging requirements (early FY 2018)
- ❖ Build self-reporting mechanism that can be utilized on an annual basis. (FY 2018)

FY2017 – Next Steps

Goal 1, Fulfill Agency Imagery Business Requirements

- ❖ Identify Stakeholders/Points of Contact
- ❖ Establish collaboration touchpoints

On-Going Coordination Work

- ❖ GSA Schedule 70 and NGA CIBORG Initiative
- ❖ NAIP 2018 and Beyond
- ❖ Spring 2017 NDOP Steering Committee
(Reston, May 2-4)

Theme Lead Contact Information

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