

NGAC Landsat Advisory Group (LAG) Subcommittee Report



NGAC Meeting
June 28, 2023

Frank Avila, LAG Chair
Vasit Sagan, LAG Member

LAG Mission

***Provide advice** to the Federal Government, through the Department of the Interior National Geospatial Advisory Committee, **on the requirements, objectives and actions of the Landsat Program** as they apply to continued delivery of societal benefits for the Nation and the global Earth observation community*

The LAG was established in 2012 as a subcommittee of the NGAC.

LAG Membership (April 2023)

Name	Organization
Frank Avila (<i>LAG Chair, NGAC Member</i>)	<i>National Geospatial-Intelligence Agency (NGA)</i>
Vasit Sagan (<i>NGAC Member</i>)	<i>Saint Louis University</i>
Mariel Borowitz	<i>Georgia Institute of Technology</i>
Steven Brumby	<i>Impact Observatory, Inc</i>
Bobbi Lenczowski	<i>Roberta E. Lenczowski Consulting</i>
Keith Masback	<i>Plum Run, LLC</i>
Anne Hale Miglarese	<i>Miglarese Consulting</i>
Robbie Schingler	<i>Planet</i>
Walter Scott	<i>MAXAR</i>

Federal Contacts: Tim Newman, Tim Stryker, Greg Snyder
USGS/National Land Imaging Program

Published LAG Reports

[Water's Edge of National Land Imaging Program Scope – September 2022](#)

[Landsat in the Cloud – May 2022](#)

[Revisiting the Land Remote Sensing Policy Act of 1992 – April 2021](#)

[Formulating a Big Data Science Challenge for Land Imaging Time-Series Data – April 2021](#)

[Landsat Data: Community Standard for Data Calibration – October 2020](#)

[Evaluation of a Range of Landsat Data Cost Sharing Models – June 2019](#)

[Landsat Future Mission Recommendations – April 2018](#)

[Landsat Data Cube Feasibility for Forecasting – April 2018](#)

[Analysis of Non-Federal Landsat User Requirements – June 2016](#)

[Sentinel Data Use Policies – December 2015](#)

[The Value Proposition for Landsat Applications – December 2014](#)

[Cloud Computing: Potential New Approaches to Data Management and Distribution – December 2013](#)

[Comments on NRC Report: Landsat and Beyond: Sustaining and Enhancing the Nation's Land Imaging Program – December 2013](#)

[Product Improvement – Advice USGS on Potential Means of Modifying the Current Products to Make Them More Useful to Commercial Information Providers and Value-added Analysts – December 2013](#)

[Statement on Landsat Data Use and Charges – September 2012](#)

[The Value Proposition for Ten Landsat Applications – September 2012](#)

Documents can be accessed at www.fgdc.gov/ngac/key-documents



2023 LAG Task 1 Paper: NLI Future Data Products

- Understand the beneficial impact of continuous improvement to existing Landsat data, evidenced by Collection 2 and Level 2 and Level 3 products, for Landsat users
- Continue discussions with EROS on the history and anticipated preparation for access and distribution options, especially use of Cloud Services (images, pixels, time series, analysis ready data, ...)
- Examine any what data, “product levels”, and services may be enabled by the enhanced spatial and temporal resolution of the 26-band “superspectral” Landsat Next constellation
- Prepare recommendations on what the National Land Imaging Program should offer to users in the 2030 timeframe. (content, format, delivery approach, level of processing, access to algorithms, predictive and/or analytical support

LAG Task 1 Paper – Current Outline

1.0 Executive Summary

2.0 Current Status

2.1 Currently available Landsat products

2.2. Other current operational responsibilities

2.3 Questions raised for future, given current status

3.0 Promise of Landsat Next

3.1. How Landsat Next's proposed architecture is intended to meet needs identified in the USGS Collected Requirements effort

4.0 Being More Specific about the USGS Provider Role

5.0 Summary

LAG 2023 Task 1 – Timeline/Next Steps

Task	Date
Complete 1 st draft of Task 1 paper	April 2023
April NGAC meeting – LAG status report	April 12
LAG meeting to review 1 st draft of Task 1 paper, discuss guidance for Task 2 paper	June 15
June NGAC meeting – LAG status report	June 28
Add new members (NGAC and non-NGAC experts) to LAG, finalize new LAG bylaws	July/Aug
Develop final draft Task 1 paper	July-Sept
Submit Task 1 paper to NGAC for review and approval	October NGAC Meeting