

NGAC Landsat Advisory Group (LAG) Subcommittee Report



NGAC Meeting
April 12, 2023

Frank Avila, LAG Chair
Roberta (Bobbi) Lenczowski, LAG Vice-Chair

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 2022/2023 Membership

Name	Organization
Frank Avila (<i>LAG Chair, NGAC Member</i>)	<i>National Geospatial-Intelligence Agency (NGA)</i>
Bobbi Lenczowski (<i>LAG Vice-Chair, NGAC Member</i>)	<i>Roberta E. Lenczowski Consulting</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>
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 2022/2023 Activities in Phases (CY 2022 and CY2023) - Status

Phase 1 – Prior to January 2023

- Complete 2021 Task 1 and 2 Papers and have published at FGDC/NGAC website -**DONE**
- Present 2021 Task 1 Paper Findings and Recommendations at Pecora 22 **DONE**
- Finalize 2022 Task 1 description statement **IN WORK**
- Assign 2022 Task Paper 1 leads **Mariel Borowitz Metrics Section**
- Refine focus of paper **IN WORK**
- Examine available “metrics” data **Video Call with EROS 1 Dec 2022**

Phase 2 – During Calendar Year 2023

- Complete 2022 Task Paper 1
- Update LAG Bylaws
- Add new members to LAG
- Establish a 2022 Task 2 description statement
- Assign 2022 Task Paper 2 leads prior to June 2023 NGAC Meeting

LAG – 2023 Timeline/Next Steps

Name	Date
Subcommittee meeting to review 1 st draft of Task 1 paper	May, 2023
Subcommittee meeting to discuss Task 2	May, 2023
Add new members (NGAC and non-NGAC experts) to LAG	Late Spring 2023
Meeting to continue discussion on CY2023 tasks	June 2023, prior to June NGAC
LAG Subcommittee meetings	August, October, December 2023
Submit Task 1 paper to NGAC for review and approval	June or September NGAC Meeting
Next Subcommittee meeting	May, 2023