NGAC

Landsat Advisory Group Status Report

September 2015

LAG Membership

Name	Organization
Jack Hild (LAG Chair, NGAC Member)	Hild Enterprises, LLC
Kass Green (LAG Co-Chair)	Kass Green & Associates
Roger Mitchell (LAG Co-Chair, NGAC Member)	MDA Information Systems, Inc.
Peter Becker	ESRI
John Copple	Sanborn Map Co.
Joanne Gabrynowicz (NGAC Member)	University of Mississippi
Roberta Lenczowski	AmericaView
Rebecca Moore	Google, Inc.
Cory Springer	Ball Aerospace & Technologies Corp.
Julie Sweetkind-Singer (NGAC Member)	Stanford University
Tony Willardson	Western States Water Council
Darrel Williams	Global Science & Technology, Inc.

Federal Contact: Tim Newman (USGS)

Study Questions

- USGS Land Remote Sensing Program (LRSP); provide suggestions for non-Federal data requirements
- Regarding Sentinel and new commercial smallsats and microsats: identify success non-Federal users are having with data access and delivery mechanisms, data-use policies, and data applications.
- Follow-up activities to 2013 LAG papers and recommendations.

Membership & Key Focus Areas (although some are supporting several)

Name	Organization	Key Focus
Jack Hild (LAG Chair, NGAC Member)	Hild Enterprises, LLC	Co-Lead#1
Kass Green (LAG Co-Chair)	Kass Green & Associates	Co-Lead #1
Roger Mitchell (LAG Co-Chair, NGAC Member)	MDA Information Systems, Inc.	Lead #2
Peter Becker	ESRI	Lead #3
John Copple	Sanborn Map Co.	#1
Joanne Gabrynowicz (NGAC Member)	University of Mississippi	#1
Roberta Lenczowski	AmericaView	#1
Rebecca Moore	Google, Inc.	#1
Cory Springer	Ball Aerospace & Technologies Corp.	#2
Julie Sweetkind-Singer (NGAC Member)	Stanford University	#1
Tony Willardson	Western States Water Council	#1
Darrel Williams	Global Science & Technology, Inc.	Lead #3

Federal Contact: Tim Newman (USGS)

Subcommittee Activities – Task 1

- Data collection questions were reviewed by USGS for compatibility w/ their Federal Requirements process. Suggested changes were incorporated and used for the non-federal user requirements data collection.
- Members of the Task 1 Team engaged Landsat colleagues
- Data collection occurred 29 June - 14 August
- Analysis methodology discussions on-going

Subcommittee Activities – Task 2

- Focus will be on Sentinel data access
  - Since smallsat vendor's data policies are not fully established, we recommend postpone until 2016.
- Reviewed Sentinel data policies
  - Significant clarification from ESA in July
  - Seems to meet "free, full and open data policy"
- Sentinel Access
  - Available by direct download from ESA
  - Currently Sentinel 1 SAR has 2 month rolling archive limitation

Subcommittee Activities – Task 2

- USG in final negotiations with ESA for International Agreement Data Hub.
  - License access wording may be different.
- USGS will archive and distribute Sentinel 2 EO data.
- Alaska Satellite Facility will archive and distribute Sentinel 1 SAR data. – solves rolling archive problem.
- Interviews conducted with USGS and ASF
- Task 2 report on schedule for next NGAC meeting.

Subcommittee Activities – Task 3

- Task: Review the 2013 LAG paper on product improvement. Peter had led the team who drafted the 2013 paper and agreed to review the EROS brief and recommend any follow up actions for the LAG for 2015. (Lead Peter Becker)
  - Review complete
  - Draft recommendations in review by this team.

Subcommittee Activities – Task 3

- Task: Review the 2013 LAG paper on cloud implementation. Darrel had led the team who drafted the 2013 paper and has agreed to review the EROS brief and recommend any follow up actions for the LAG for 2015. (Lead Darrel Williams)
  - EROS provided a Town Hall briefing of recommendations from the EROS Architecture Study Team (EAST)
  - The resulting EROS Architecture Roadmap (EAR) provides guidance through FY23
  - Darrel has recommended postponing any updates to the paper at this time

Next Steps

- Task 1: Resolve data analysis questions
- Task 2:
  - Provide a short report on findings
  - Continue effort next year to monitor agreements and policies; examine multi-sensor applications like gap fill and improved temporal coverage from Sentinel 1,2, Landsat and possibly other commercial sensors; new applications resulting from Sentinel 2 resolution and band improvements
- Task 3:
  - Product Paper – Finalize draft update
  - Cloud Paper – Close action, no update needed at this time