



NOAA

Community Meeting Feedback

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Community Feedback – Your Input is Valued!



- Thanks to all who took time to provide input, at this meeting and the other forums held this summer
- In all cases, we're distributing the feedback to organizations that can best address the needs



Thank you:

- NOAA Users and Stakeholders
- National Science Foundation
- US Army Corps of Engineers
- Australian Bureau of Meteorology
- Ball Aerospace
- ISS
- Mexico National Laboratory for Earth Obs.
- SG&T
- Indonesia BKMG
- Innovim
- Made in Space
- Baron
- Raytheon
- Kratos
- Naval Research Lab
- Nat'l Met. & Hydro. Service of Peru
- UC Boulder
- University of Costa Rica
- Booz Allen
- U. of Energy and Natu. Resources, Ghana
- Instituto Met. Nacional – Costa Rica
- Dawn Aerospace





User Feedback Affecting Near Term Decisions



- In some cases, we are already studying or planning systems that will address these needs and decisions will be made in the near term – some examples for GEO-XO listed below

Feedback Affecting Near Term Decisions	Plan to Address	Decision Timeframe
Advocacy for air quality measurements	Atmo. comp. capability in consideration for GEO-XO.	GEO-XO Observation selection 2021
Advocacy for GEO MW Sounder	MW Sounder capability in consideration for GEO-XO.	GEO-XO Observation selection 2021
Advocacy for GEO hyperspectral IR sounder	IR Sounder capability in consideration for GEO-XO.	GEO-XO Observation selection 2021.
- Better spatial resolution images in selected IR channels. - GEO Imager spectral, spatial, and temporal improvements - Improved fire detection product(s)– resolution	Add'l channels, higher spatial resolution in consideration for GEO-XO Imager.	Imager requirements definition 2020-2022.
Increase spatial resolution of GLM data	Higher spatial resolution in consideration for GEO LM.	LM requirements definition 2020-2022.
Use of orbital assembly to enable new paradigm for Earth observation	Serviceability in consideration in GEO-XO design/evolution.	System requirements definition 2020-2022.



User Feedback – Longer Term Decisions

- In some cases, feedback will come into play for later decisions
- In all cases, we're distributing the feedback to organizations that can best address the needs

Feedback Affecting Near Term Decisions	Plan to Address	Decision Timeframe
Use GIS format for data	Data format needs will be considered in ground design.	Ground requirements definition 2021-2024.
Enhancements for future GOES DCS <ul style="list-style-type: none">- Meet or exceed reliability- Preserve existing DRGS and HRIT- More frequent transmissions- Larger message payload for dam safety piezometers- Transmitting images and video from field sites	<ul style="list-style-type: none">- Comm services factoring in SC comm system decisions.- Data distribution: user needs to be considered in designing ground system.	Spacecraft requirements definition 2021-2022. Ground requirements definition 2021-2024.
GRB User Survey results	<ul style="list-style-type: none">- User comm needs will be considered in SC design.	Spacecraft reqts definition 2021-2022.
GEONETCast-Americas capabilities	Data distribution needs being considered in ground design.	Ground requirements definition 2021-2024.
Ground optimization and cloud processing	Cloud use to be considered in design of ground system.	Ground requirements definition 2021-2024.