

NASA's Ice, Cloud and land Elevation Satellite-2 (ICESat-2) mission is a mature space-based laser altimeter mission launched in 2018. ICESat-2 continues to collect important observations of ice-sheet elevation change, sea ice freeboard and vegetation canopy height, establishing continuity with the ICESat mission. Owing to the ingenuity of ICESat-2 scientists, additional data products have been and are continuously added to its repertoire, including inland surface water, ocean surface height and bathymetry. The ICESat-2 community questionnaire is an initiative of the ICESat-2 Applications program, which aims to foster the development of currently underrepresented thematic areas that will benefit from ICESat-2 measurements.

Since 2011, The ICESat-2 Applications Team has been engaged in identifying decision processes with direct societal benefits that could be improved by using the mission's data. Through its various engagement initiatives and implementation of an Early Adopter program, the applications team has facilitated dialogue between stakeholders, mission project scientists and science team members to clarify how the science data products can be integrated, improved or leveraged to advance science objectives aligned with or beyond those of the mission and in support of a range of decisions and actions to benefit society. Your participation in this brief questionnaire (~6-8 minutes) will assess the diversity of the stakeholder community and identify the various fields of application for ICESat-2 data. The first set of questions will remain consistent as previous years to assess changes in community data utilization and perspectives. The last set of questions will assess the community's perspectives on data gaps, inter-mission synergies, trainings, and underserved communities.

Information gathered via this questionnaire will be used strictly by the Applications Team and will not be used to solicit funds or activities. To keep abreast of the latest applications developments and activities for ICeSat-2, we encourage you to join the ICESat-2 mailing list by sending an email to: icesat-2-applications-JOIN@lists.nasa.gov.

Paperwork Reduction Act Statement: This information collection meets the requirements of 44 U.S.C 3507, as amended by section 2 of the Paperwork Reduction Act of 1995. You do not need to answer these questions unless we display a valid Office of Management and Budget control number. The OMB control number for this information collection is 2700-0153 and it expires on 8/31/2027. We estimate that it will take about 8 minutes to read the instructions, gather the facts, and answer the questions. You may send comments on our time estimate above to aimee.neeley@nasa.gov. Send only comments relating to our time estimate to this address.

1) W	hat type of institution do you work for?
	Federal government
	State/local government
	Government contractor
	Academic Institution/University
	Non-governmental organization (NGO)
	Private industry
	Other

2) H	ow would you characterize your data use?
0	Science data user (creation or analysis of science data products)
0	Applications developer (create decision products)
0	Applications user (consumer of decision products)
	Educational/Instructional
() H	Knowledge broker
O 1	Data manager
$\bigcirc$	Other

3) OI ti	he following thematic groups, to which does your work apply?
Clim	nate
O Hyd	drology
O Wat	ter resources
O Eco	ological forecasting
	osphere
_	ergency management
	estry/land vegetation
Oth	
4) How	v often, if ever, do you currently use satellite remote sensing data?
O Hou	ırly
O Dail	ly
○ Wee	ekly
O Mor	nthly
O Ann	nually
Sea	asonally
O I do	n't use it
Oth	er
E\ Da :	vou use altimatur data?
_	you use altimetry data?
Yes	
○ No	
6) If yo	ou use altimetry data, do you use it for:
o a sp	pecific application for decision support
o a sp	pecific scientific research project or analysis, but without a specific application
Oth	er
7) From	m where do you usually download your data?
_	SA Distributed Active Archive Centers (DAACs; e.g., NSIDC)
	SA EarthData search
~	er government user interface (e.g., USGS EarthExplorer, FEMA, NOAA)
	rnational distribution centers
_	ence Team website
_	
_	duct developer site
_	n't know
Oth	er
8) Wha	at is your ideal lag time from data acquisition to product delivery?
O Hou	irs
O Day	rs
O Wee	eks
-	nths
( ) Mor	rs
Mor	
Yea	irrelevant

						0/250
0) What ar	ea of cover	age is best for y	our analysis?	Check all that	apply.	
Communit	ty (local, town	, or village)				
District (co	ounty, city)					
Province (	state, within o	country/political bou	ndary)			
Region (e	ither geo-polit	ical or ecologicak(				
Continent						
Global						
Other						
1) Do you	use scriptir	ng languages to	read data? If	so, check all th	at apply.	
IDL						
Python						
FORTRAI	N					
R languag	je					
MATLAB						
I don't kno	w					
Other						
2) What is	your ideal	data format?				
	inary (GRIB)	data format:				
		nagery (GeoTIFF)				
		form (NetCDF)				
_	al data forma					
_		/MS, KML/KMZ)				
	: data (cms)	INIS, RIVIL/RIVIZ)				
LAS binar						
I don't kno	-					
Other	7VV					
Other						
		1 to 5 (with 1=i tes for the maj				are the
Spatial reso	olution					
	1	2	2	4	5	C-#11
rrelevant	0	0	3	4	0	Critical
Data latenc	у					
	-	2		100-00		
rrelevant		2	3	4	5	Critical

Accuracy						
Irrelevant	1	2	3	4	5	Critical
Record lengt	th					
Irrelevant	1	2	3	4	5	Critical
14) Since its  Yes  No	release on May	7 28, 2019, have	you accessed	ICESat-2 data?	?	
15) How wou	ıld you describe	your use of IC	ESat-2 data?			
<ul><li>Educationa</li></ul>	l/Instructional					
<ul> <li>Exploratory</li> </ul>	(discovering data	and establishing fe	easibility of use)			
Active (initia	al integration, verifi	cation and validati	on of use)			
Operational	(approved for ope	rational deployme	nt and use in deci	sion making)		
Other						
	Sat-2 data prod		se? Check all th	nat apply.		
_	bal Geolocated Ph					
_	rmalized Relative I	Backscatter				
	nd Ice Height					
=	a Ice Height					
_	nd and Vegetation					
=	nospheric Layer Cl	naracteristics				
	a Ice Freebord	1				
=	ean Surface Heigh					
_	and Surface Water					
_	dded Annual Ice H dded Land Ice Hei					
	ekly Gridded Atmo	50,				
=	onthly Gridded Atmo					
_	onthly Gridded Oce					
	ily/Monthly Gridded		rd			
_	ily/Monthly Gridded					
=	dded Inland Surfac		grit Ariomaly			
_	nthly Composite G		ography			
	ntiny composite c	inded occar rop	ography			
common for	ESat-2 data be mat and project r data products	tion, with data f				

Use	r Guide
Data	Product Algorithm Theoretical Basis Document (ATBD)
_	Dictionary
=	wn Issues/Data Gaps Documentation
=	DC DAAC Data Access Jupyter Notebook
_	Sat-2 Hackweek Jupyter Notebook Tutorials
_	nal Publications
Oth	
	l you use the ICESat-2 pre-launch data (MABEL) available via the ICESat-2 website b launch?
Yes	
O No	
No	
tutoria	at topics would you like to see covered in a future workshop, focus session or I? (e.g., atmosphere or ocean topics, software or data tool tutorial)
tutoria	
tutoria	
22) Wh	I? (e.g., atmosphere or ocean topics, software or data tool tutorial)  0/25  at visualization tool(s) have you used to discover ICESat-2 data? (learn more: /nsidc.org/data/icesat-2/tools)
22) Whhttps:/	I? (e.g., atmosphere or ocean topics, software or data tool tutorial)  0/25  at visualization tool(s) have you used to discover ICESat-2 data? (learn more: /nsidc.org/data/icesat-2/tools)  nAltimetry
22) Whhttps:/	I? (e.g., atmosphere or ocean topics, software or data tool tutorial)  0/25  (at visualization tool(s) have you used to discover ICESat-2 data? (learn more: /nsidc.org/data/icesat-2/tools)  nAltimetry (A Earthdata Search
22) Whhttps:/	I? (e.g., atmosphere or ocean topics, software or data tool tutorial)  0/25  at visualization tool(s) have you used to discover ICESat-2 data? (learn more: /nsidc.org/data/icesat-2/tools)  nAltimetry  A Earthdata Search  yx
22) Whhttps:/ Ope NAS	1? (e.g., atmosphere or ocean topics, software or data tool tutorial)  0/25  at visualization tool(s) have you used to discover ICESat-2 data? (learn more: /nsidc.org/data/icesat-2/tools)  nAltimetry  A Earthdata Search  yx  erule
22) Whhttps:// https:// Ope NAS	I? (e.g., atmosphere or ocean topics, software or data tool tutorial)  0/25  at visualization tool(s) have you used to discover ICESat-2 data? (learn more: /nsidc.org/data/icesat-2/tools)  nAltimetry A Earthdata Search  yx  erule //e not begun data discovery.
22) Whhttps:/ Ope NAS	I? (e.g., atmosphere or ocean topics, software or data tool tutorial)  0/25  at visualization tool(s) have you used to discover ICESat-2 data? (learn more: /nsidc.org/data/icesat-2/tools)  nAltimetry A Earthdata Search  yx  erule //e not begun data discovery.
22) Whhttps:/ Ope NAS icep Slid	I? (e.g., atmosphere or ocean topics, software or data tool tutorial)  0/25  at visualization tool(s) have you used to discover ICESat-2 data? (learn more: /nsidc.org/data/icesat-2/tools)  nAltimetry A Earthdata Search  yx  erule //e not begun data discovery.
22) Whhttps:// https:// Ope NAS icep Slide I ha Othe	I? (e.g., atmosphere or ocean topics, software or data tool tutorial)  0/25  at visualization tool(s) have you used to discover ICESat-2 data? (learn more: /nsidc.org/data/icesat-2/tools)  nAltimetry  A Earthdata Search  yx  erule  /e not begun data discovery.
22) Whhttps:/ Ope NAS icep Slide I ha	I? (e.g., atmosphere or ocean topics, software or data tool tutorial)  0/25  at visualization tool(s) have you used to discover ICESat-2 data? (learn more: /nsidc.org/data/icesat-2/tools)  nAltimetry A Earthdata Search  yx  erule //e not begun data discovery.  er  lich Quicklook products (low latency) do you use? Check all that apply.
22) Whhttps:/ Ope NAS icep Slide I ha Othe	I? (e.g., atmosphere or ocean topics, software or data tool tutorial)  0/25  at visualization tool(s) have you used to discover ICESat-2 data? (learn more: /nsidc.org/data/icesat-2/tools)  nAltimetry A Earthdata Search  yx  erule //er not begun data discovery.  er  lich Quicklook products (low latency) do you use? Check all that apply.  0/7QL - Sea Ice Height
22) Whhttps:/ Ope NAS icep Slid I ha Othe  23) Wh ATL ATL	I? (e.g., atmosphere or ocean topics, software or data tool tutorial)  0/25  at visualization tool(s) have you used to discover ICESat-2 data? (learn more: //nsidc.org/data/icesat-2/tools)  nAltimetry  A Earthdata Search  yx  erule  //e not begun data discovery.  er  iich Quicklook products (low latency) do you use? Check all that apply.  07QL - Sea Ice Height  08QL - Land and Vegetation Height
22) Whhttps:/ Ope NAS icep Slid I ha Otho  23) Wh  ATL ATL ATL ATL	at visualization tool(s) have you used to discover ICESat-2 data? (learn more: /nsidc.org/data/icesat-2/tools)  nAltimetry A Earthdata Search  yx erule //e not begun data discovery.  er  lich Quicklook products (low latency) do you use? Check all that apply.  07QL - Sea Ice Height  08QL - Land and Vegetation Height  09QL - Atmospheric Layer Characteristics

	0/25
) Have you identified underrepresented/underserved comm om ICESat-2 data products and applications?	unities that may benefit
	0/25
i) Do you know of any applications that the community shout a from multiple missions?	

Submit Survey