



GLIMS End-of-Year Update

2020-12-31

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The following are highlights of GLIMS activity over the last ~18 months.

1. Ingested data
 - a. Chukotka and Kolyma glaciers, eastern Russia 2016-2018
 - b. Argentine glacier inventory 2004-2017
 - c. New data for the whole of European Alps 2015-2017
 - d. Prince William Sound glaciers (Alaska) 1950, 1986, 1994, 2004-6, 2018
 - e. northern Ellesmere Island for 1999, 2005, and 2015
 - f. Pyrenees glaciers for year 2000
 - g. Total: 170199 outlines from 19 separate ingests
2. RGI-on-demand feature
 - a. Deployed to production server in summer 2020
 - b. Still in “beta”, with known problems on the to-fix list
3. Improved Web services
 - a. There are a variety of services at <https://www.glims.org/services> that offer a programmatic way to get information about GLIMS.
4. GLIMS became DAAC product officially
 - a. GLIMS is now funded through the DAAC (NASA’s Distributed Active Archive Center) Core budget.
5. Began implementing DAAC requirements. Work is in progress to
 - a. modernize the GLIMS website and add NSIDC and DAAC branding
 - b. capture metrics on GLIMS website visits and data downloads for NASA’s ESDIS Metrics System
 - c. implement the NASA-required Earthdata Login for GLIMS data download
6. Engaged with others in the community, including:
 - a. the IACS working group “Randolph Glacier Inventory (RGI) and its role in future glacier monitoring and GLIMS” (the RGI-on-demand feature above will be used to begin the RGI version 7.0)
 - b. co-convening sessions at EGU and AGU
 - c. discussing various topics with the Global Terrestrial Network for Glaciers (GTN-G) such as adjusting glacier region boundaries.
7. Began discussion about the GTN-G regions (https://www.gtn-g.ch/data_catalogue_glacreg/) and the need to improve them to
 - a. include some glaciers left out of current regions, and
 - b. address the issue of some glaciers straddling regions