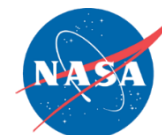


GHRC Data Management

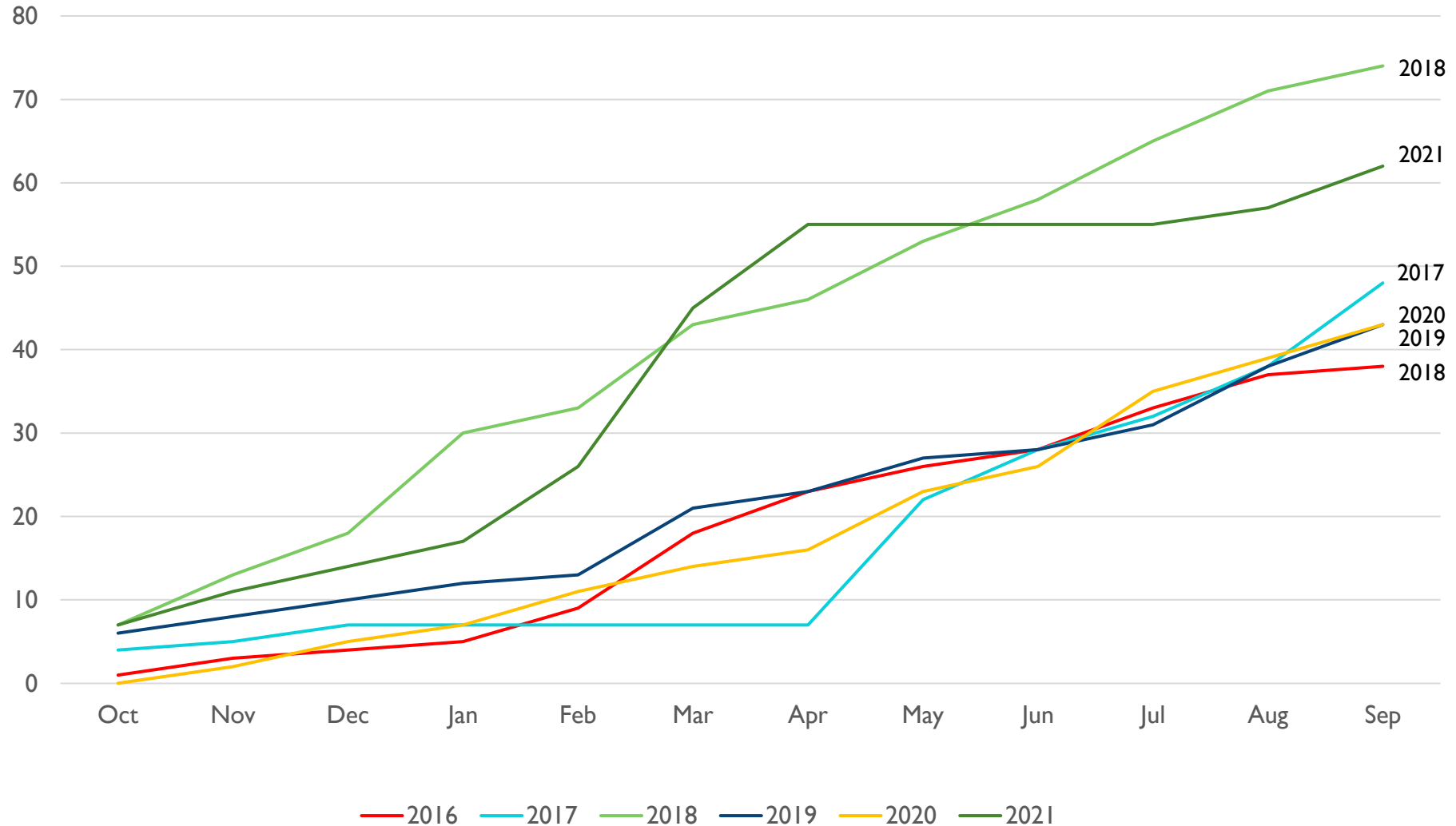
Leigh Sinclair - Data Management Team Lead



2021 Data Publications



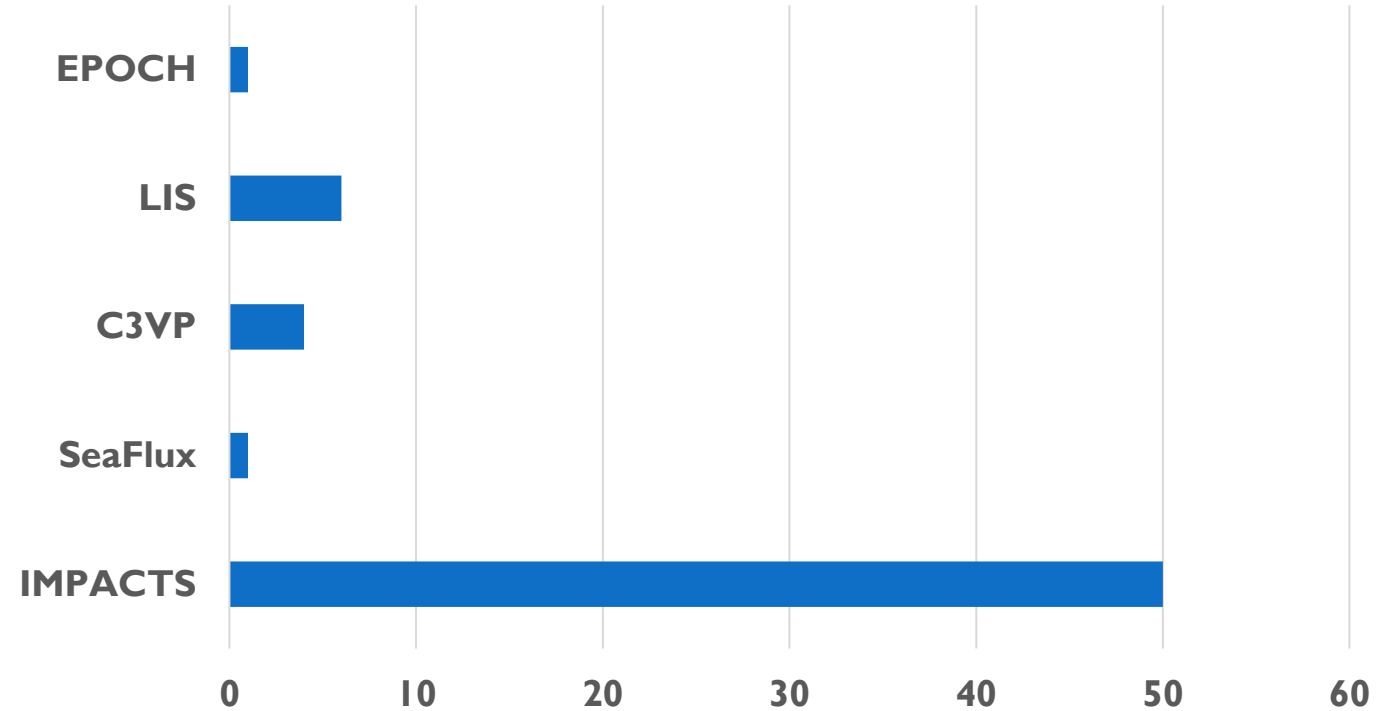
Cumulative Number of Publications



Dataset Types Published in FY21



- 62 Datasets Published
- Averaged ~5 datasets per month
 - (up from 4 per month last year)
- Dual-published data both on-premise and on cloud



Total Number of
Published Datasets
at end of FY21: **642**

New Data Approved for Publication



Remaining Datasets to Publish



- 2 ongoing datasets: GLM
- Completed publishing all data **in-house**
 - Waiting on or in the process of acquiring data from IMPACTS, EPOCH, CPEX, CPEX-AW
- Currently publishing data in both the cloud and on-premise



- Data that continue to be collected and made public on GHRC servers
 - ISS LIS data (2), NRT LIS data on LANCE
 - DISCOVER MEaSUREs SSMIS ocean products from F16 and F17 (8)
 - DISCOVER MEaSUREs TPW and Wind Speed climatology (2)
 - AMSU/MSU V6 Temperature Anomalies and Annual Cycle products (4)
- AMSU/MSU Atmospheric Temperatures
- North Alabama Lightning Mapping Array (NALMA)
- GLM L3 datasets – in progress
- GLM CIERRA – haven't started yet

- What is ARC?
 - ARC = Analysis and Review of CMR (Common Metadata Repository)
 - ARC project consists of a team of metadata checkers confirming quality of metadata for DAAC published data
 - ARC report is sent to DAACs with problems/issues to be fixed and recommendations of changes to make
- Completed all ARC re-check recommendations this FY

2022 Publication Plans



- Year 2 IMPACTS Data
- Publishing new, ongoing datasets in the Cloud
- Publishing Static Datasets in the Cloud
 - Dual-publishing until later this FY
 - Earthdata Pub
- We want your ideas on what GHRC can do to obtain more data relevant to our mission



- Virtual participation in traditional conferences (AGU, AMS, IGARSS)
 - Approximately a dozen presentations
- Science team meetings (GLM, IMPACTS, ISS LIS, LANCE, others)
- Airborne / Earth Venture System monthly meetings
- Earthdata Forum
- NASA community meetings
 - ESDS Technology Spotlight: Tools for Airborne Data
- One journal article
 - *The Hazards Posed by Mesoscale Lighting Megaflashes*
 - <https://doi.org/10.1175/EI-D-20-0016.1>
- GRA, Essence Raphael, graduated with her Master's Degree
 - Thesis: *Assessing Lightning Risk in the Southeast U.S. Using Space-based Lightning Detection*