## PIDs: the view from AGU

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23 journals

60,000 members across 137 countries

Annual meeting of ~25k researchers

Nonprofit scientific society governed by Board of Directors and Council.





#### A short story about data and software citations.





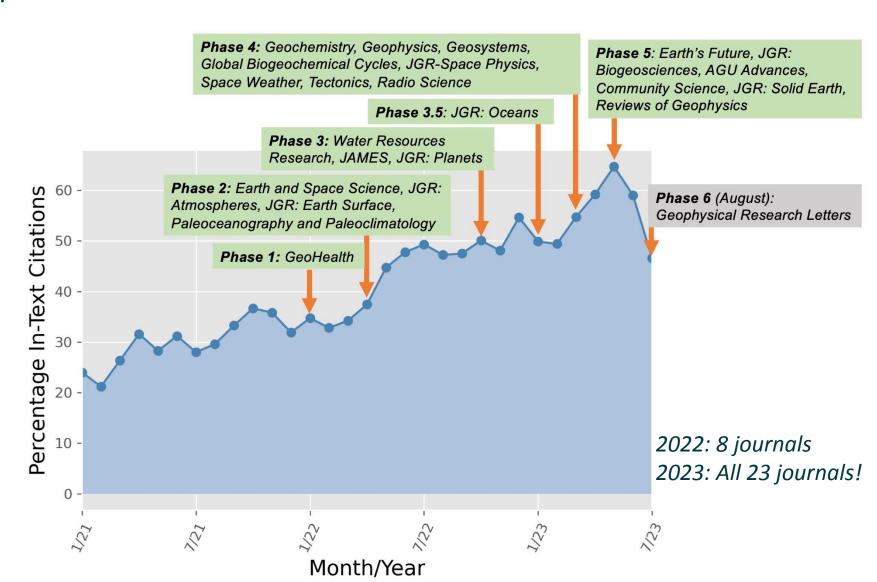
### The Data Citation Journey at AGU:





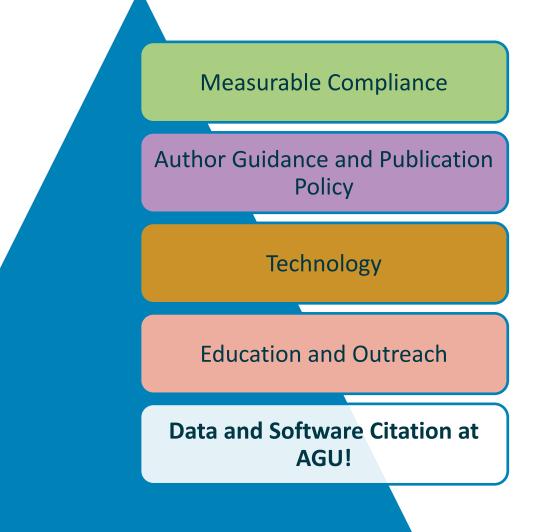
#### Data Citation Pilot and Author Guidance at AGU:

- Data and/or software are deposited in a community-accepted, trusted repository, as appropriate, and preferably with a DOI,
- 2) Availability Statement is included as a separate paragraph in the Open Research section explaining to the reader where and how to access the data and software,
- Citation(s) to the deposited data and software are included in the Reference Section.

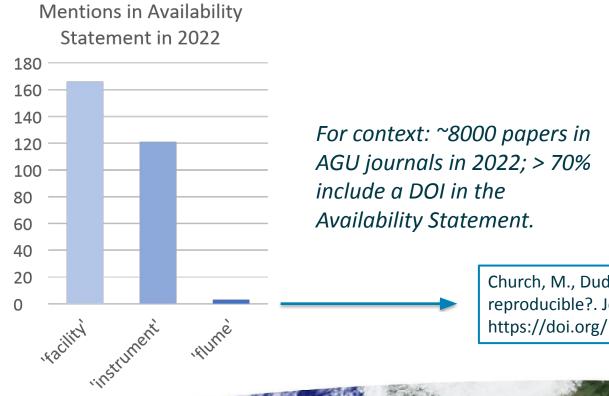




### **Pieces of the (Data Citation) Puzzle:**

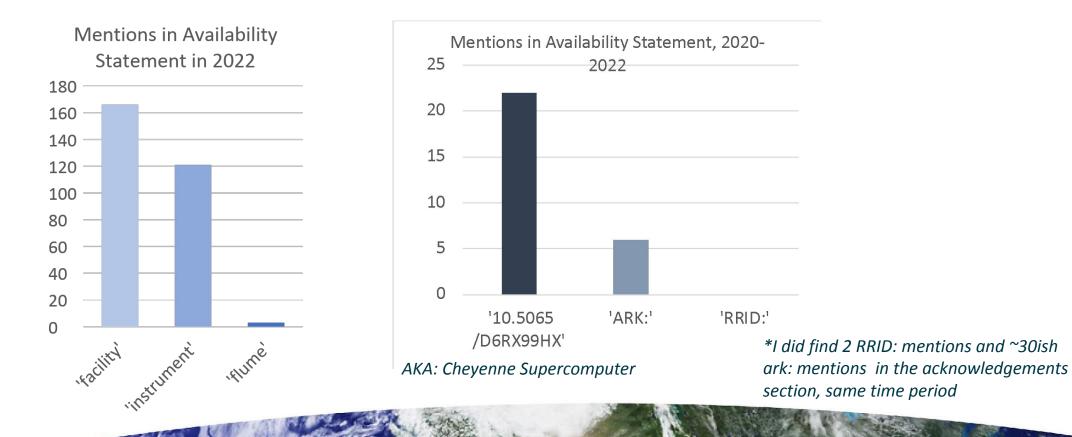




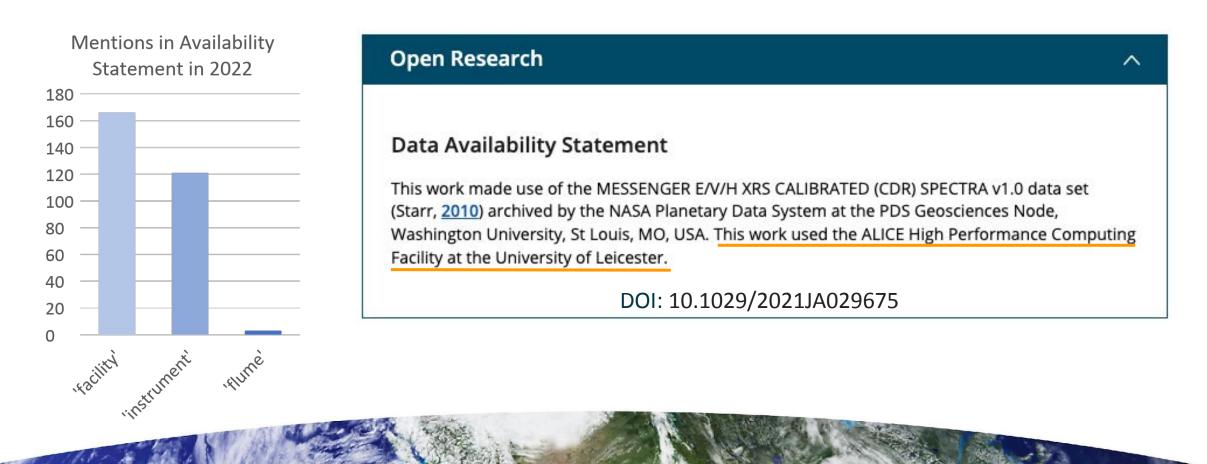


Church, M., Dudill, A., Venditti, J. G., & Frey, P. (2020). Are results in geomorphology reproducible?. Journal of Geophysical Research: Earth Surface, 125, e2020JF005553. https://doi.org/ 10.1029/2020JF005553











#### **Open Research**

#### Data Availability Statement

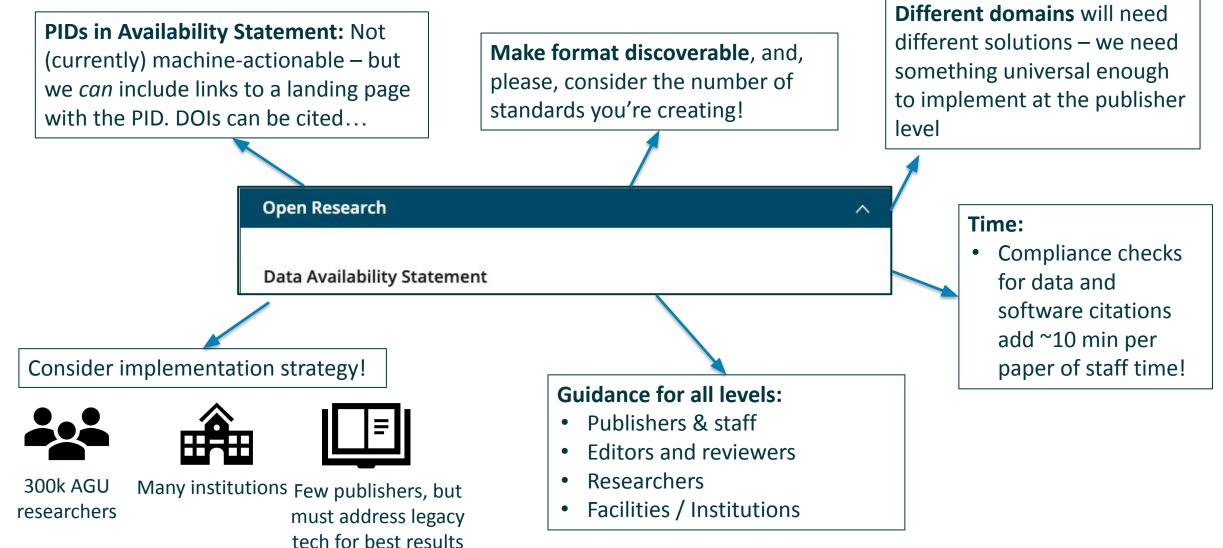
The data analyzed for this paper are available as Marshall et al. (2022). Data loggers used in flume experiments are Onset Computing HOBO U-24 fluid electrical conductivity loggers and HOBOware Pro version 3.7.8 (Onset Computing Onset Computer Corporation, 2022) was used with a software license to configure loggers and download logger data, available at <u>https://www.onsetcomp.com/products/software/hoboware</u>. Numerical modeling simulations were run in HydroGeoSphere (Aquanty Inc., 2015), available under a license at <u>https://www.aquanty.com/hydrogeosphere</u>. Temporal moment calculations were done in Matlab (MATLAB, 2020) under an academic license of version 9.9.0 or later, available at <u>https://matlab.mathworks.com/</u>. Statistical analyses and figure creation were done in opensource R Studio software (R Core Team, 2022) using version 4.2.1, available at <u>https://www.R-project.org/</u>.

DOI: 10.1029/2022WR033139

ATED (CDR) SPECTRA v1.0 data set at the PDS Geosciences Node, the ALICE High Performance Computing

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### What would AGU need?



### Thank you!



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