https://planetcarto.wordpress.com/

INTERNATIONAL CATALOG OF PLANETARY MAPS 1600–2017

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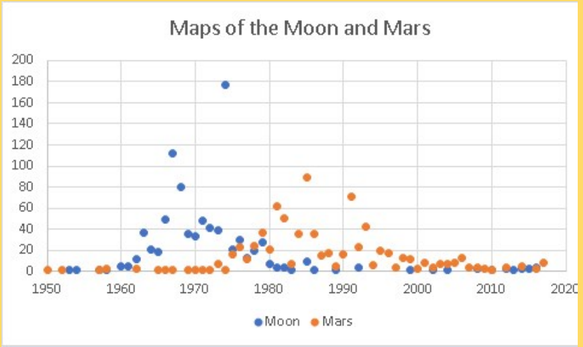

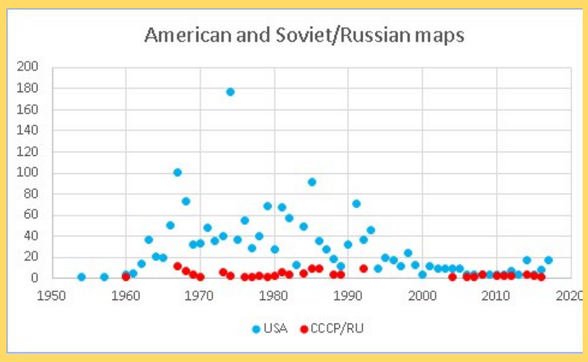

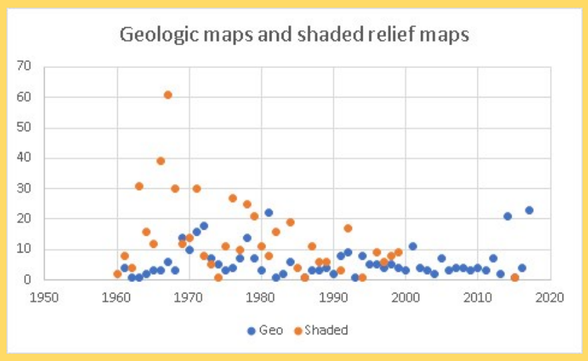

We mapped the complete planetary map scene.

We cataloged >2200 planetary maps.

It includes USGS, Soviet, DLR/TU/FUB, Chinese maps.

It includes both historic and recent maps.

The catalog informs the community about maps.

Map types: Historic, Geologic, Topographic/planning, Nomenclature, Outreach, Digital/WMS, Art/fan maps,

This database enables quantitative analysis of the history and present state of planetary mapping, globally.

Challenges. The year 2017 brought several dozens of cartographic planetary maps representing a wide diversity of content and production methods (Fig. 1). Observable is an evolution of planetary mapping from traditional static (print) layouts to forms more adjusted to the digital, dynamic Internet medium. Traditional, peer-reviewed works are still on the horizon, and the number of planned projects is high. At the same time, technologically, it is evident that we live in a transition period where static maps that characterized the last 400 years may soon become extinct and new, dynamic digital map services and GIS layers for scientific use could, or already did, replace them. This has high consequences on the art aspect of cartography in which online applications provide new opportunities. The catalog will be available through the website of the ICA Commission on Planetary Cartography [9] .

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References: [1] Hargitai H (2016) DPS 48/ EPSC 11 Meeting #426.23, Pasadena, CA. [2] Shoemaker, E., Hackman, R.J. (1961) Lunar Photogeologic Chart LPC 58. USGS, [3] Pitura, M, 2017. 2017 in Review 2: New Planetary Geologic Maps. ICA Commission on Planetary Cartography, [4] Williams, DAet al. (2017) Icarus, doi: 10.1016/j.icarus.2017.05.004, [5] Williams, DA et al. (2014). Icarus, 244, https://doi.org/10.1016/j.icarus.2014.03.001 [6] Guzzetta, Let al. (2017). Journal of Maps, 13, 227–238. [7] Liu Jet al. (2017) LPSC XLVIII, #1447 [8] Dębniak, K et al. (2017) Journal of Maps 13 (2): 260–269. [9] Okubo, C.H., and Gaither, T.A. (2017) USGS SIM 3359 [9] https://planetcarto.wordpress.com/ [10] Hargitai H and Naß, A, in prep.,

Fig. 1. A compilation of details of planetary maps and map services published in 2017. See details at [9].