



PLANETARY IMAGE EDITOR I/O WEB SERVICE

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Goal:

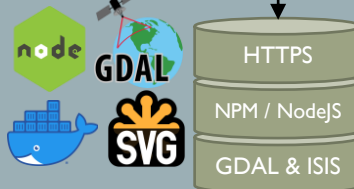
The overall goal is to facilitate and accelerate scientific usage of planetary data, especially products from the Planetary Image Locator Tool (PILOT) and Projection on the Web (POW) by removing time consuming and unreliable use of cartographic metadata in figures for scientific publications.

Make a web service that:

1. Shortens the time required to make publication-ready figures from PILOT/POW
2. Creates figures on any browser using drag & drop capabilities
3. Downloads the figure and caption material in formats compatible with GIS and journals (e.g., GeoTIFF)

Technologies:

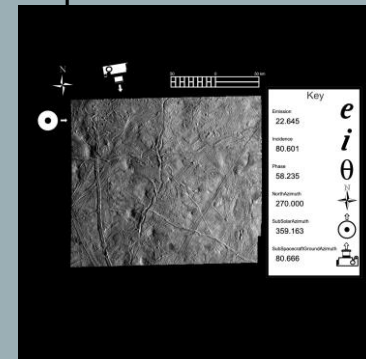
- GDAL
- ISIS
- Docker
- NPM / NodeJS
- SVG 1.0
- JavaScript



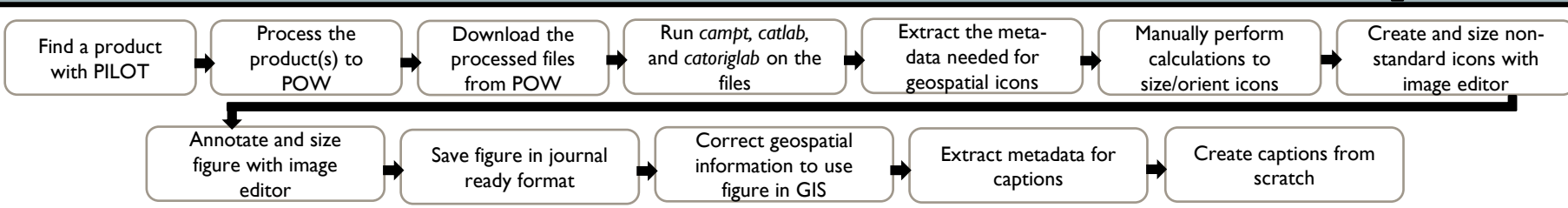
Input: ISIS3 Raster



Output: GeoTIFF



Old Workflow:



Planetary Image Editor (PIE) Workflow:

