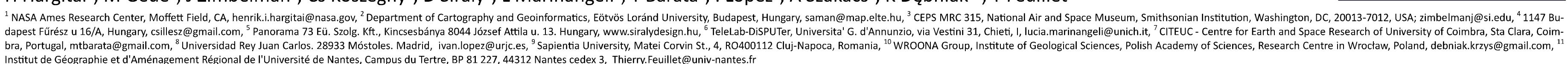
Planetary Map Series for Children

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Highlights:

- → We designed a series of planetary maps for children (8-12 yrs).
- → The map sheets are a result of collaboration between planetary scientists and graphic artists. The work was carried out in Hungary.
- → The goal was to produce maps that are attractive and easy-to-remember for children.
- → We limited the number of labels to about a dozen
- → Physical and orbital data can be read visually from various devices on a control board
- → Photomosaics and data-derived maps may be interesting for us, but there is no visible story behind them for children.
- → We decided to use manually drawn maps and add a narrative (story) that the children can discover.
- → The narrative elements interact with the surface features.
- → We modified the maps after showing them to a test audience and added further explanations on our website.
- → The narrative elements are necessarily living creatures and this created a controversy in the amateur astronomer community as misleading.

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We speak your language

Translation to the native language of this age group is essential. The final marginal text from the explanations to the legend was translated into 11 languages spoken in Europe (English, French, Hungarian, German, Italian, Polish, Portuguese, Romani, Romanian, Spanish, and Russian). The translation was made by earth and planetary scientists to ensure scientific accuracy. The most unique language version is Romani (Gipsy), which is spoken in several Central European countries, and for which version several new words had to be created.

Bodies mapped and graphic artists:

András Baranyai (Venus), Csilla Gévai (Europa), László Herbszt (the Moon), Csilla Kőszeghy (Mars), Panka Pásztohy (Titan) and Dóri Sirály (Io). The base maps are based on the latest data (for Mars: CTX/ HiRISE) and interpretation. The Mars base map combines topographical and geological information; and mixes perspective and orthographic representations. All maps are in Lambert Azimuthal Equal Area Projection.

About the narrative

It was the illustrator's responsibility to create a *unique narrative* for the map, which was a specific requirement for this target audience. We have used several themes to populate the lifeless surfaces with life. The children can browse on the map on-line, finding out the stories behind the features represented on each map. The commemorative and mythological names of the IAU nomenclature provided abundant opportunities for the map narratives.

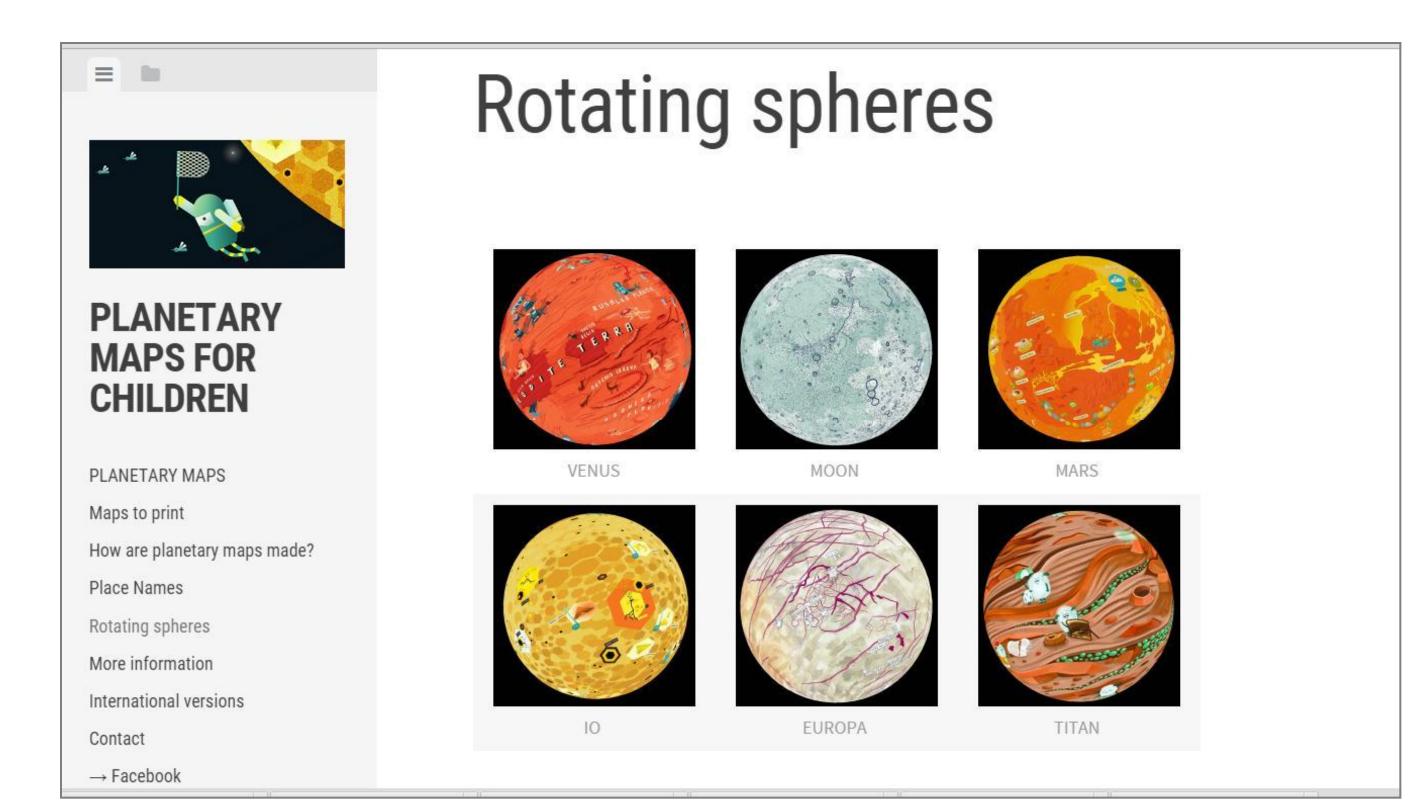
Another theme was the research history of the body, i.e. older theories about its surface and other cultural associations. These themes made the maps emotionally charged.

Google Earth plugin

We would like to hear your opinion about...

- → The geological background image
- → The presence of Martians in the map
- → The role of visually translated zoo (spiders, mice)
- → Animals (mice, cats) or children as main characters
- → Alterative themes for the narrative
- → Future directions

Please send your comments to henrik.i.hargitai@nasa.gov



The project is online at https://childrensmaps.wordpress.com/