

va-t6-tutorials

- [Y-4 tutorials \(towards sustainability\)](#)
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Y-4 tutorials (towards sustainability)

Year-4 tutorials need to be checked, simplified, consolidated as needed. The branch "[y4tutorials](#)" on the [VESPA Tutorial GitHub](#) repo is going to contain them. Eventually, it will substitute the "master" branch by project end

Tutorials with high-priority re-structuring

More meaningful renaming possible, too.

- Surface
 - Crism + surface data
 - Analogues
 - ...
- Atmosphere
- Plasma

VESPA finalized tutorials

[See public web site](#)

VESPA-Hosted tutorials

(links to github)

- [Aladin & planetary surfaces](#) use case, in progress
- [More Aladin / surface use cases](#), in progress (this and pages below)
- [APIS](#)
- [CRISM cubes in TOPCAT and Aladin](#)
- [Atmospheric profiles](#)
- [Connection of HELIO with AMDA and 3Dview](#)
- [Exoplanets](#)
- [ExPRES](#)
- [EPN-TAP services: Using TopCat as a client](#)
- [EPN-TAP services: VIRTIS-VENUS EXPRESS](#)
- [Cassini Titan fly-by](#)
- [Magnetospheric region identification with AMDA and TopCat](#)
- [Mars Global Surveyor plasma data compared with models](#)
- [Use case: mapping sparse spatial data with TOPCAT](#)

VIDEO Tutorials

[Vespa video tutorials on line](#)

[Tracking asteroids](#)
[Predicting Solar Wind Disturbances arrival times at planets](#)
[Martian induced magnetosphere](#)
[Auroral processes on Saturn](#)
[Exploring exoplanets](#)
[Mars, evidence of an O⁺ ions "plume"](#)
[Analyzing Pluto's surface](#)
[IMPEX Tutorial Video](#)

[GIS VESPA Tutorial + text](#)

External tutorials (linked)

- [IMPEX - Mainpage](#)
 - [CCMC-IMPEX Connections Demonstrator](#)
 - [Hybrid Models Demonstrators](#)
 - [IMPEX Portal User Manual](#)

- [IMPEX Tutorial for AMDA & 3DView](#)
- [SINP Paraboloid Magnetospheric Model Demonstrator](#)

To do or nice to have

- Interfacing IDL / GDL with VO environment: how to read / write VOTable, use of SSW library, SAMP access (to be tested), implementation of java EPN-TAP library?
Use cases: ICA on spectral cube + display in Aladin (or APERICubes?); Multumesc on single spectrum, returns VOTable (bands location & width), to be handled in TOPCAT or CASSIS
- Same with python