

PUNCHLunch –

the online lunch seminar of the PUNCH4NFDI Consortium

Every second Thursday, 12:30-13:30 hrs: keynote and discussion



Thursday, 21. April 2022, 12:30 hrs:

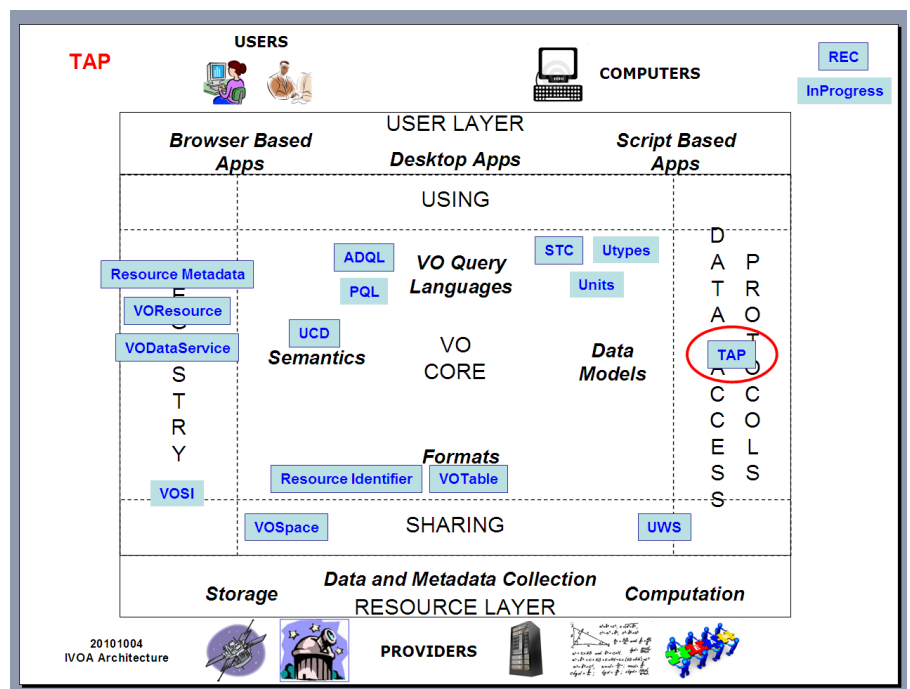
Dr. Markus Demleitner (ARI-Uni Heidelberg, GAVO)

Virtual Observatory workflows

The TAP Case

Abstract:

The Virtual Observatory's Table Access Protocol (TAP), together with the VO's registry, is a good example for a globally federated research infrastructure; at its core, it lets users discover research data published in tabular form, query it using a standard, SQL-based language, and easily work with the results thanks to common formats. It scales from highly diverse, small tables to multi-billion row, multi-table data collections.



In this talk, we will illustrate how underlying standards for access protocol (TAP), for data structures (with UCD etc.) and query language (SQL/ADQL), together with the (distributed) registries are leveraged to enable working with large and diverse remote data from both interactive clients and custom code, e.g using astropy/pyVO.

Connection details:

ZOOM Meeting “PUNCHLunch seminar”: <https://indico.desy.de/event/33359/>

Webinar ID: 919 1665 4877, passcode: 481572

Next event: ISI Access, 05.05.2022

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