Datalink storie in vespa

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CONTEXT

- In Europlanet FP6 we have tried to define a Planetary Science access protocol

- **For planetary science data**
- **That can be tuned during the time frame of FP7**
- **For a large type of observations (all datatypes, can support the Sun, plasma, atmospheres, surfaces, small bodies ...)**
- **That have an existing environment (registry, standard exchange format, clients)**

TAP → EPN-TAP

- He have started from ObsTAP, which:

- **Allows any type of data**
- **Has to be extended with target, time ...**
- **Focuses on data model query parameters**

Unique Protocole

 - How to handle non observational data services

- **Ephemeris services**
- **Simulations**
- **Long time acquisition cutout services**
- **Everything that is not in an SQL db**

And DataLink came

- Not exactly designed for that
  - We also use multiple URL for PDS label ...
  - First tests with ephemeris and plasma service
  - Thanks to Markus: for easy to use implementation in DACHS
  - Thanks to Mark: for implementation in the last version of TOPCAT

Next step (requirement)

- Modify our vespa client

- **Add request parameters to fill datalink service parameters**

- **Handle async services**

- **Handle SOAP services**

Conclusion

- It may be an answer for vespa requirement to handle some simulation data.

- it seem the possible extension of TAP to data services.

- We have to develop the client part to make it simple to use.

Then we came to victoria

And the light came to us