

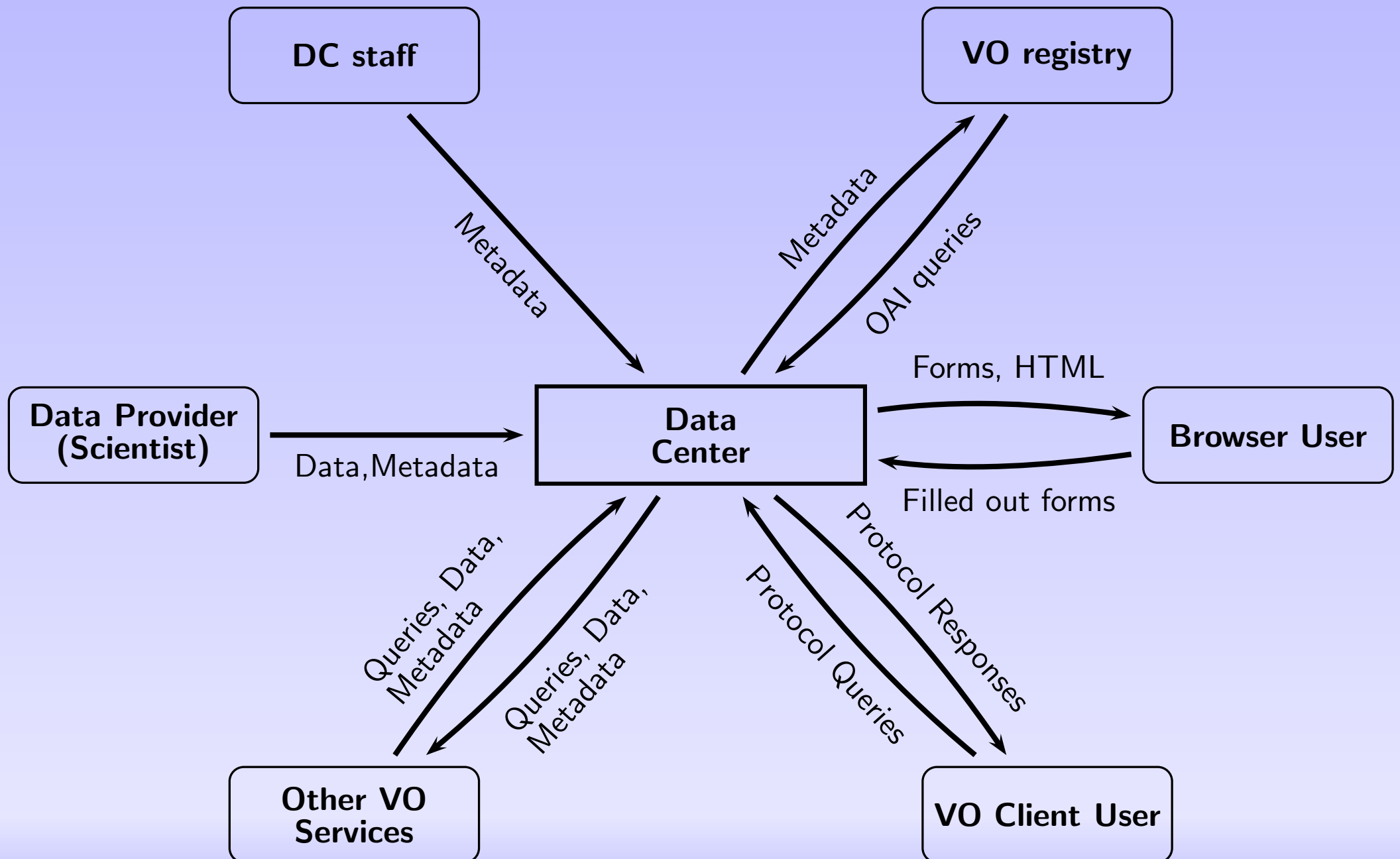
The GAVO Data Center

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- A DC's role in the Virtual Observatory
- GAVO's approach
- GAVO's data center and you



A Data Center in the VO



The GAVO DC's approach

In GAVO's DC, there are

- “resources”, containing top-level metadata and prescriptions on how to use a particular data set,
- services belonging to resources, containing service-level metadata, a core and renderers,
- cores doing the actual work of querying or computing data and defining a low-level interface,
- renderers doing the protocol-level communication with the user.

Examples: Catalogues

- PPMX – basically, as in VizieR, with both form-based and Simple Cone Search on-site. Of course, ADQL, cross-match, etc., are available as well, TAP soon to come.
- OH Masers – SCS, metadata and registry in the DC, custom form-based web service external.
- Magellanic Cloud extinction data – custom cone search (on fields).
- CARS – object catalogue with basic image and related data.

Examples: Image Collections

- Quasar lensing images – from various sources, partly with embargoes, partly with direct upload from La Silla, SIAP and custom.
- Plate scans from Heidelberg and Calar Alto – including image calibration, cutout processing to avoid having to deliver roughly a Gig a pop.
- Potsdam Carte du Ciel scans – external web service, SIAP and metadata on-site.

Examples: Funky Stuff

- APFS – wrapping legacy FORTRAN in fancy web and SOAP.
- Light pollution survey – upload and near real-time processing of distributed measurements.
- Infinite lightcurve – client-side javascript to visualize lensing calculations.
- Dexter for your data – playing ADS for a data extraction applet.
- UCD resolver – wrapping a python library.

In Closing

If you are a data provider: Talk to us about getting your data into the VO.

If you are planning to offer VO services: Check out <http://vo.uni-hd.de/odocs>.

<http://www.g-vo.org>

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