

# Parameter Query Language: PQL

Status report

# PQL

- PQL V0.1 – February 2009 (Pat Dowler)
- PQL V0.2 – May 2009 (Doug Tody)
- PQL Presentation by Doug Tody, Nara 2010 (Napoli)
- PQL – A suggestion – Oct 2011 (Durand et al.)
- Working group created – May 2011??
  - Doug Tody
  - Daniel Durand
  - Laurent Michel
  - Felix Stoehr
  - Alberto Micol

# Why PQL?

The Parameterized Query Language (PQL) provides a **simple** parameter-based mechanism for querying tabular data within the context of the IVOA Data Access Layer (DAL) Table Access Protocol (TAP). PQL **complements** the Astronomical Data Query Language (ADQL), providing optimized support for common queries of individual astronomical catalogues as well as table metadata, while ADQL provides a general language based upon the Structured Query Language standard (SQL), providing a powerful and general mechanism for querying relational databases. When used within the context of TAP, PQL and ADQL provide **alternate ways** to pose a query, with both sharing the same **TAP query execution** and output processing engine as well as a common service interface.

# PQL

- Use cases
- Target audience (cs, scientific, software?)
- Prototypes/experimentation
- Define scope for PQL (usage by form, programmatic interface, etc...)
- Develop Roadmap (simple->complex)
- Interaction with ADQL (new functionalities?)

# PQL next

- My goal: Having a <simple> PQL interface definition ready for next IVOA with implementation examples (CADC, etc...)
- In order to achieve this, we need to stay <simple> and <open> at the same time. (à la ObsCore)
- Have to define proper roadmap.
- Now let's get input from the IVOA members