



Getting data from the Herschel Science Archive

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*Herschel Pre-Launch Data Processing Workshop
ESAC, 4-5 December 2008*

HERSCHEL SPACE
OBSERVATORY



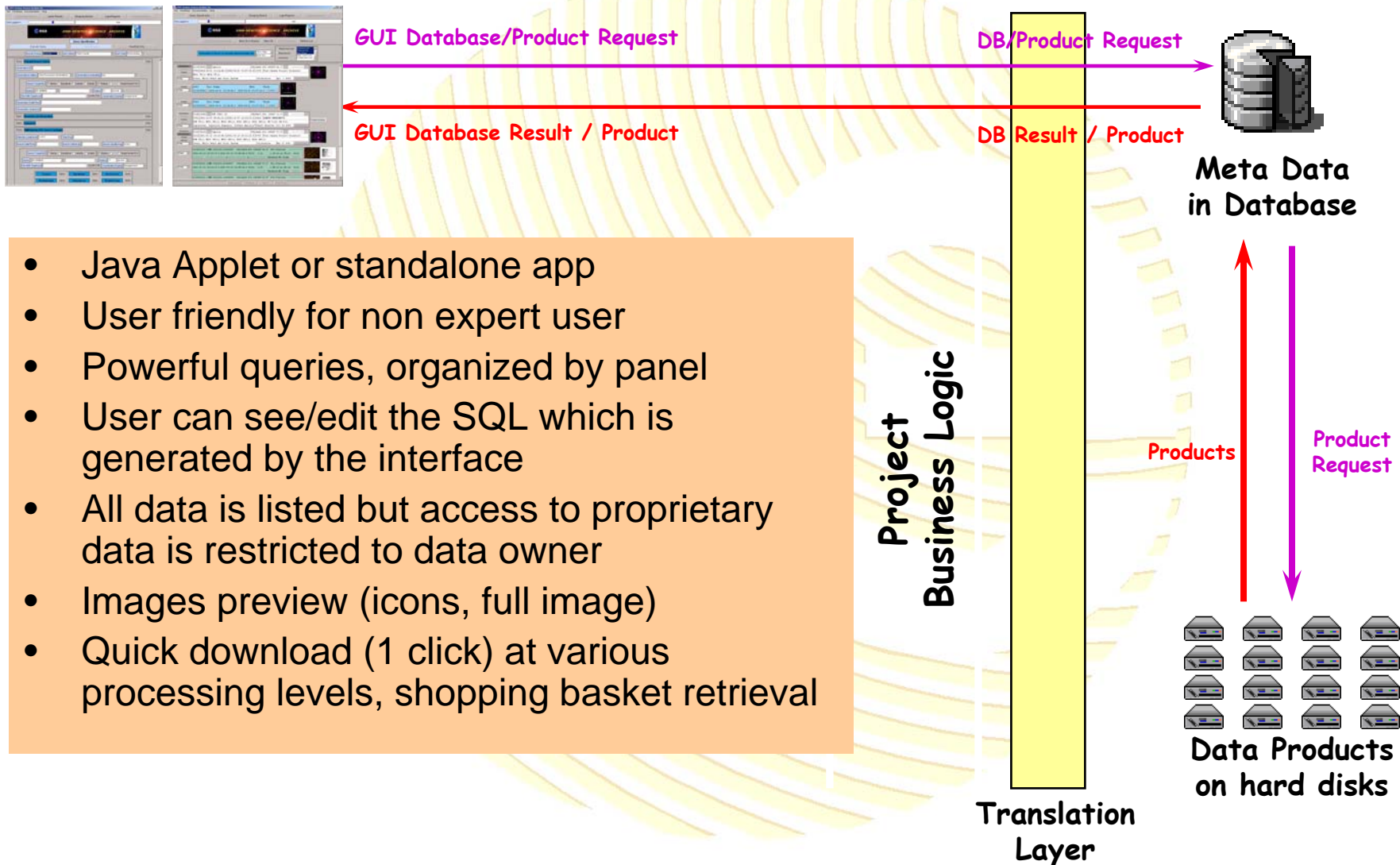
Herschel Science Archive (HSA)

(Technical specifications on behalf of the SAT)

- The HSA is being developed at ESAC by the Science Archive and VO team (SAT)
- The HSA is developed in line with all the other ESA Science Archives:
 - Same architecture
 - Same look and feel
 - Similar User Interface
 - Powerful and easy to use
 - Panels aimed at general users and expert users
- The HSA is already prepared to receive/distribute data from/to the Data Processing system

HERSCHEL SPACE OBSERVATORY

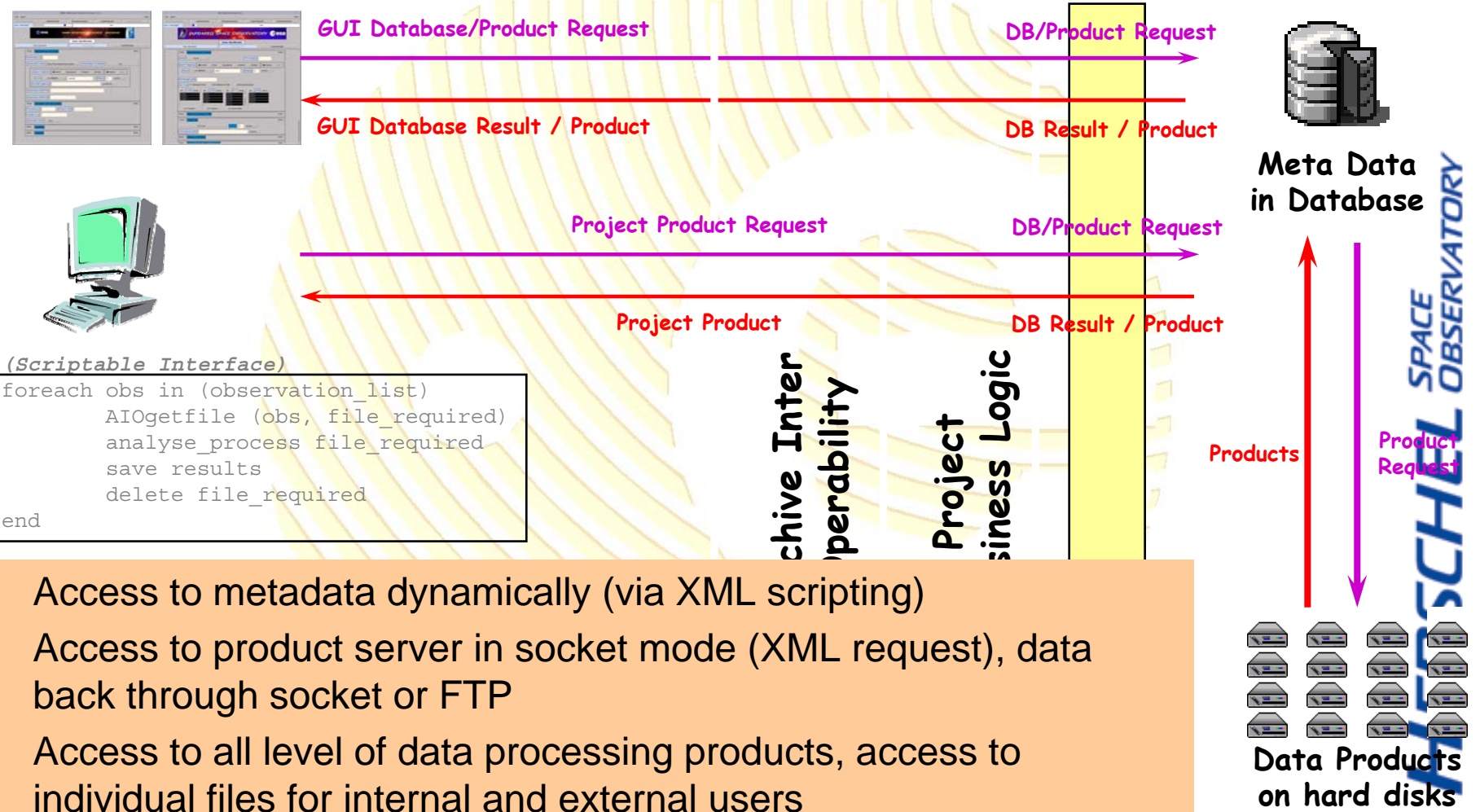
Archive Access via User Interface



- Java Applet or standalone app
- User friendly for non expert user
- Powerful queries, organized by panel
- User can see/edit the SQL which is generated by the interface
- All data is listed but access to proprietary data is restricted to data owner
- Images preview (icons, full image)
- Quick download (1 click) at various processing levels, shopping basket retrieval



Scriptable Interface : AIO





Archive VO compliant Architecture

- The existing AIO already carried all the functionalities required by the new VO standards
 - Access to metadata (database)
 - Access to products (data repository)
- By using “Translation Layer”, easy to convert the VO standards interfaces into our AIO interfaces
 - Little effort required
 - Translation Layer easy to code using XML
- As VO standards evolve, our AIO system remains, but we just have to adapt our translation layers

