



# REST and WADL feedback in SITools2

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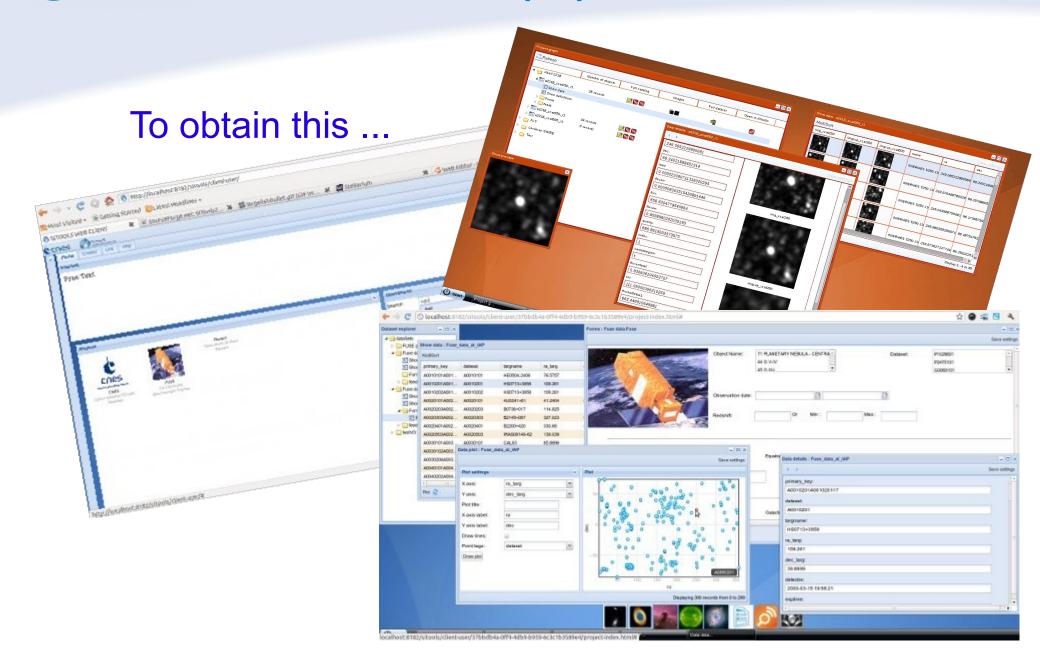




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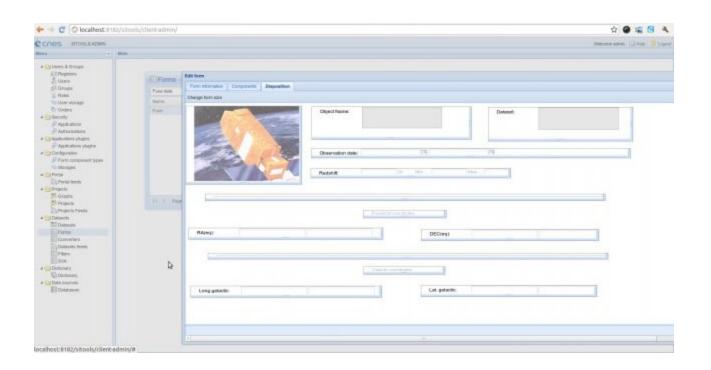






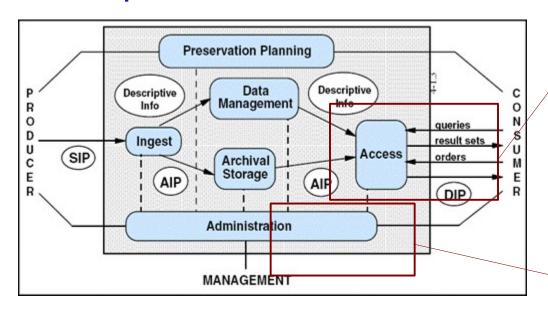


# By the use of an administration panel





SITools2 place in an archive



- portal view
- project view
- web services
- ...

- portal admin
- project admin
- web services admin
- User management
- ..

- Thematic extensions
  - **→** VO
  - Earth Observation

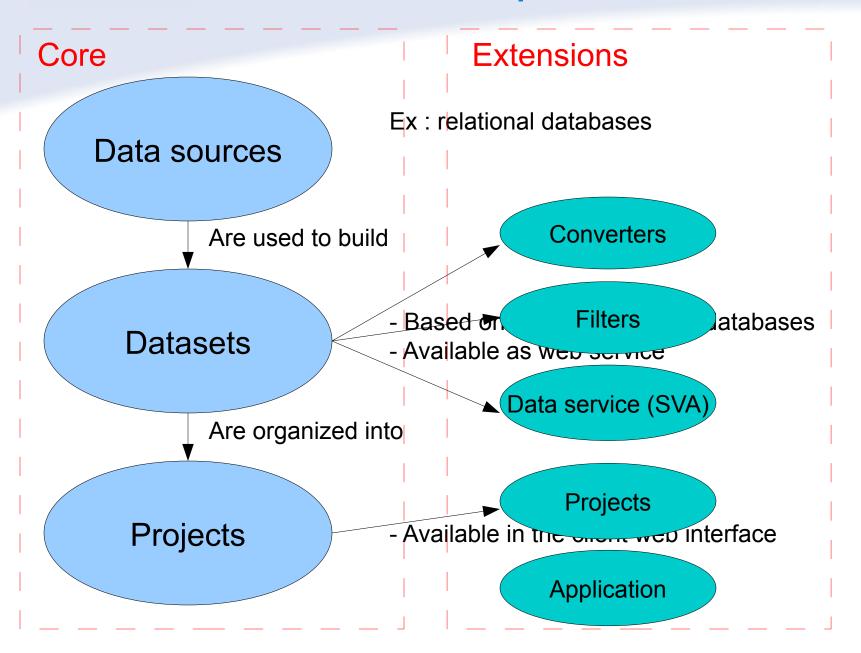


## SITools2 technology in a few sentences

- Client side : Rich Internet Application (based on AJAX)
- Server side : REST architecture (JAVA)
- Plugin capability at the server side
- Module capability at the client side
- Client/Server exchange format : JSON
- → i18n (internationalization)
- Works with MySQL, PostGreSQL (could be extended if needed)
- Task manager (allows synchronous or asynchronous jobs)
- Resource notification (observer pattern)
- Embedded Jetty
- Designed to be OSGI compliant (not totally implemented)
- → Java packager for installation : IZPack



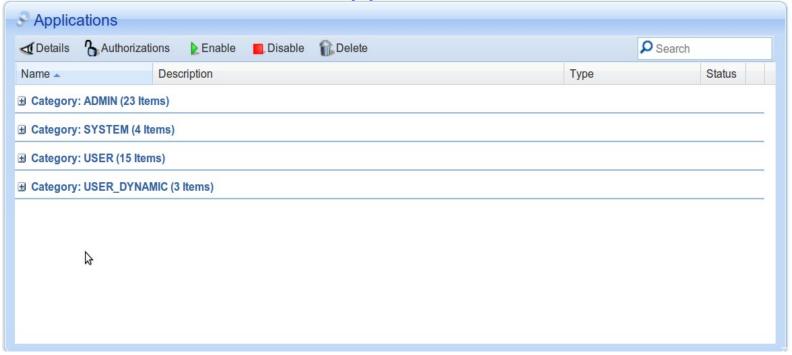
## **SITools2 Concepts**





#### **SITools2 and REST**

SITools2 in terms of REST applications :



- ◆ SITools2 in terms of REST resources :
  - ~ 150 resources



#### Use case for the administrator

As administrator, I have 42 REST applications to administrate. The security strategy is done against HTTP verb and Role (a role can contain both groups and users).

- => WADL can describe the API
- => Example with the dictionary application



#### Feedback on WADL

◆ WADL is fine when the input and/or output representation is XML => use of grammars

- ◆ This is more complex for another representation (such as JSON, ...)
  - => no standard defining the json structure => json schema as draft