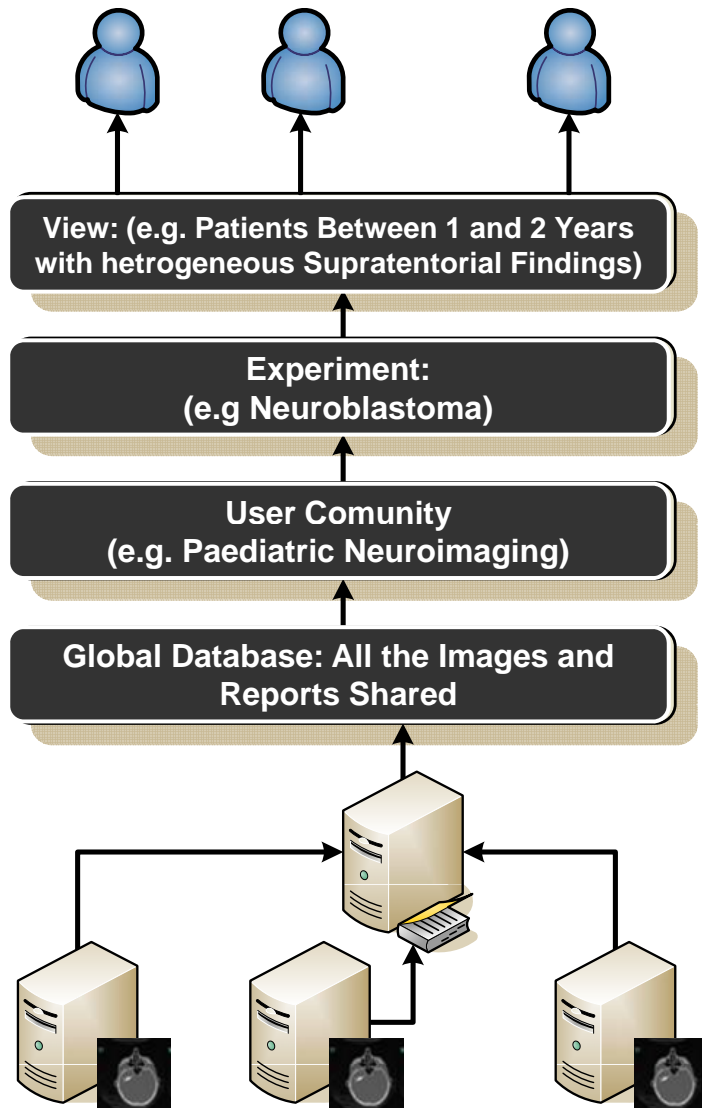# Proposal of Applications for the Biomed Cluster

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www.eu-egee.org

Information Society and Media

View: (e.g. Patients Between 1 and 2 Years with hetrogeneous Supratentorial Findings)

Experiment:
(e.g Neuroblastoma)

User Comunity
(e.g. Paediatric Neuroimaging)

Global Database: All the Images and Reports Shared

- **TRENCADIS is a WSRF Middleware to create distributed repositories of DICOM Data.**

- **Uses the information of DICOM Structured Reports for Organising the Data.**

- **Three levels:**

  - Data relevant to a VO Group defined in a schema.

  - Data relevant to an experiment (Virtual Repository).

  - Results from a query.

- **Environment to execute BLAST and other bioinf. tools on large samples of metagenomic data.**

- **Supports job spliting, data replication, automatic submission and monitoring, resubmission and reliable data transfer.**

- **Used for several experiments, including the Sargassos' Sea sample**
    - A sample with 800.000 Sequences.
    - 1.291 gLite jobs in 13 days, producing 70 GBytes.

- **Includes a pipeline of iterations and filtering.**