



NeuroLOG

TechLog 2007-2009



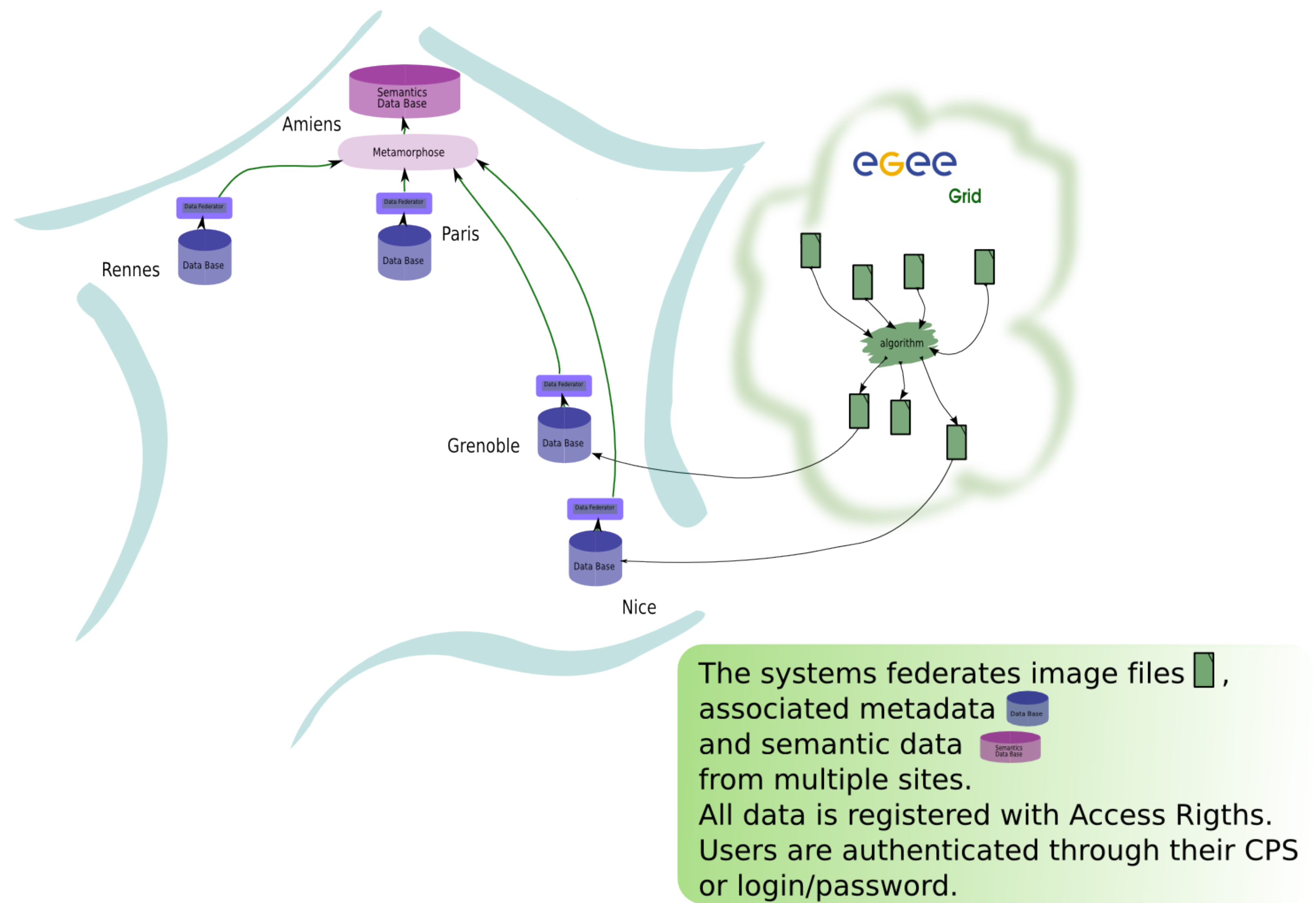
ANR-06-TLOG-024

Software technologies for integration of process, data, and knowledge in medical imaging.

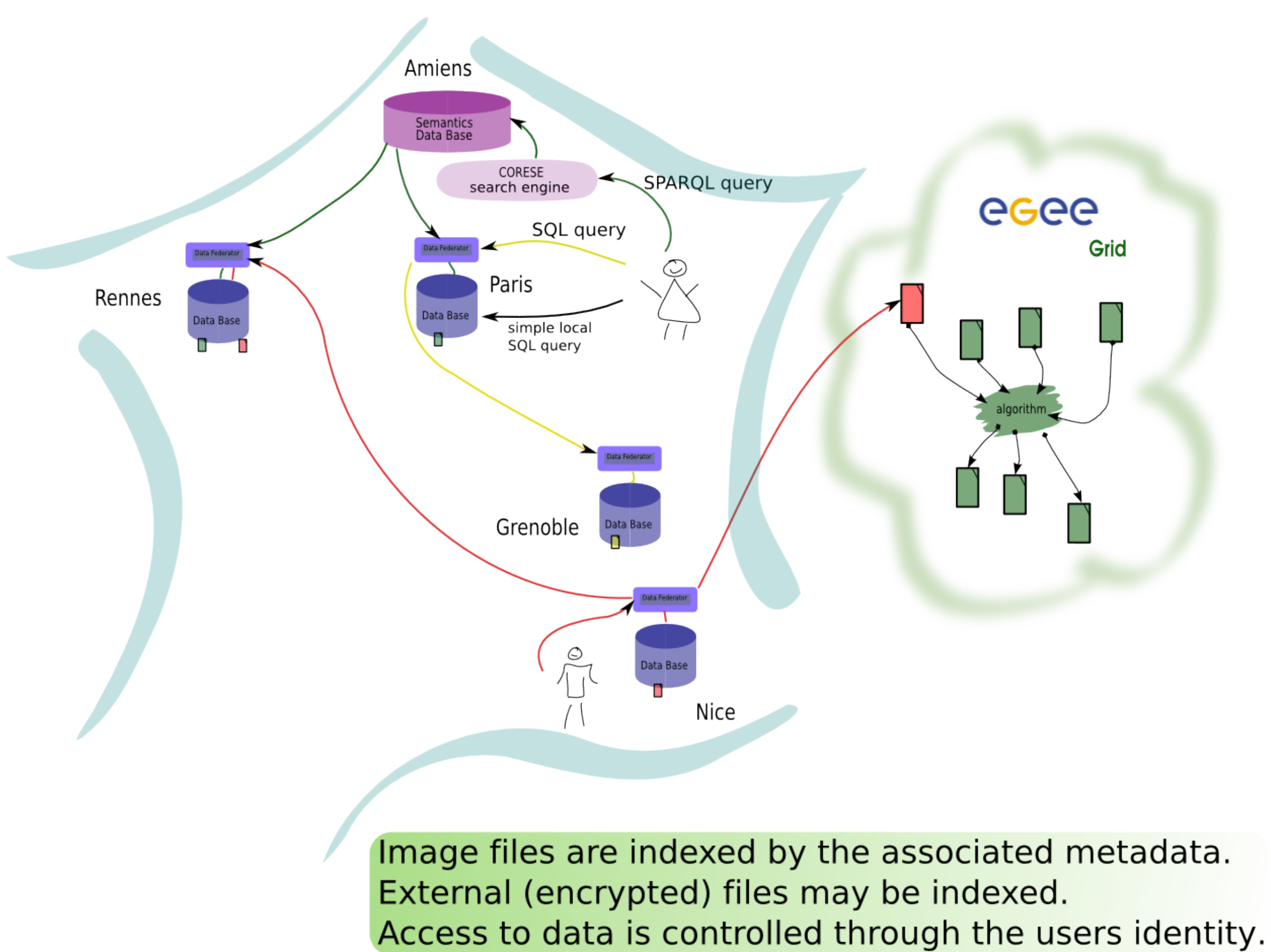
Project Objectives:

- Management and access to semistructured, heterogeneous and distributed medical data in an open environment.
- Ontology-based, heterogeneous and distributed processings on the grid.
- Access control and protection of private medical data.
- Control of workflows implied in complex computing processes on a grid infrastructure.
- Extraction and quantification of relevant parameters for different pathologies:
 - Multiple sclerosis
 - Brain Vascular Stroke
 - Brain tumours

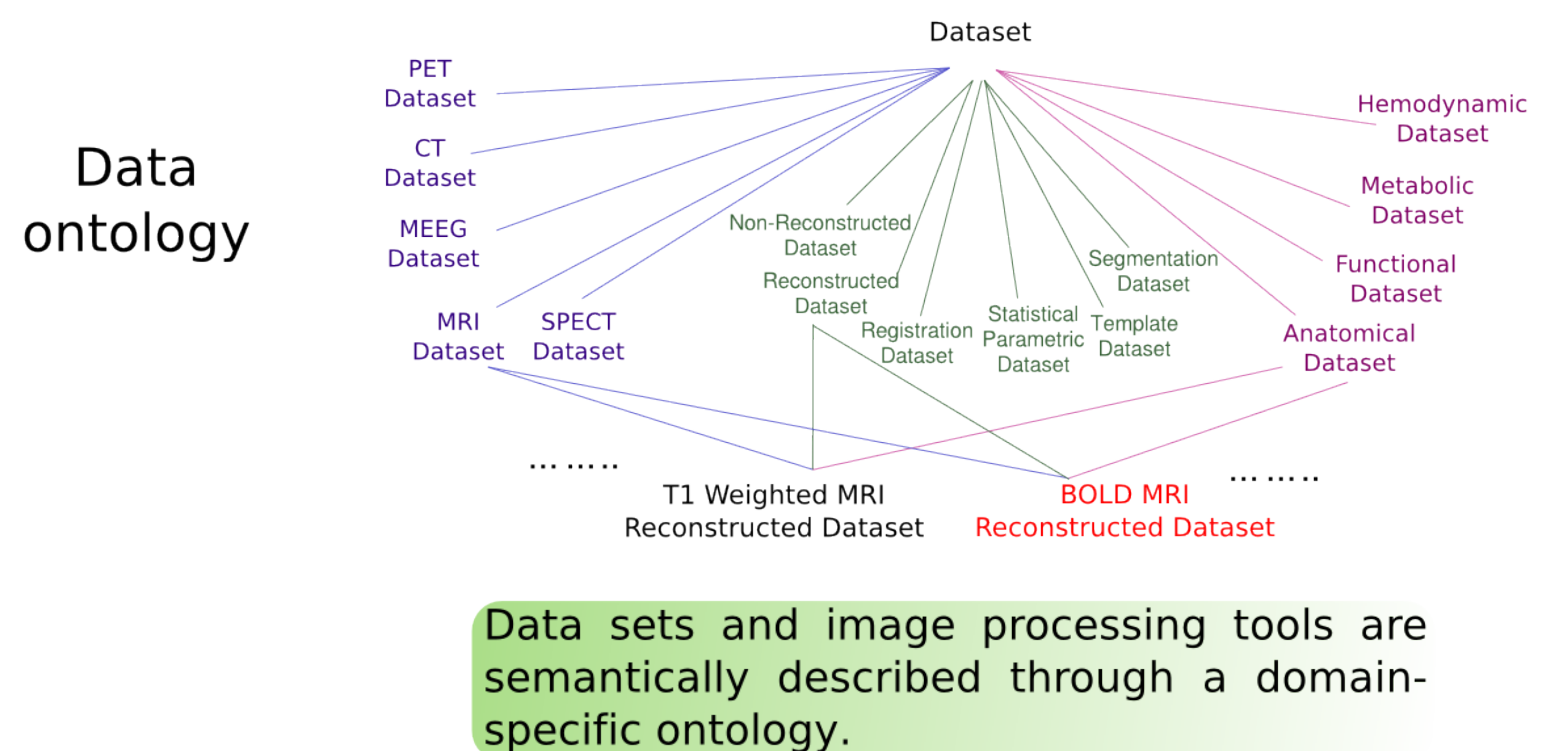
Registering data in NeuroLOG



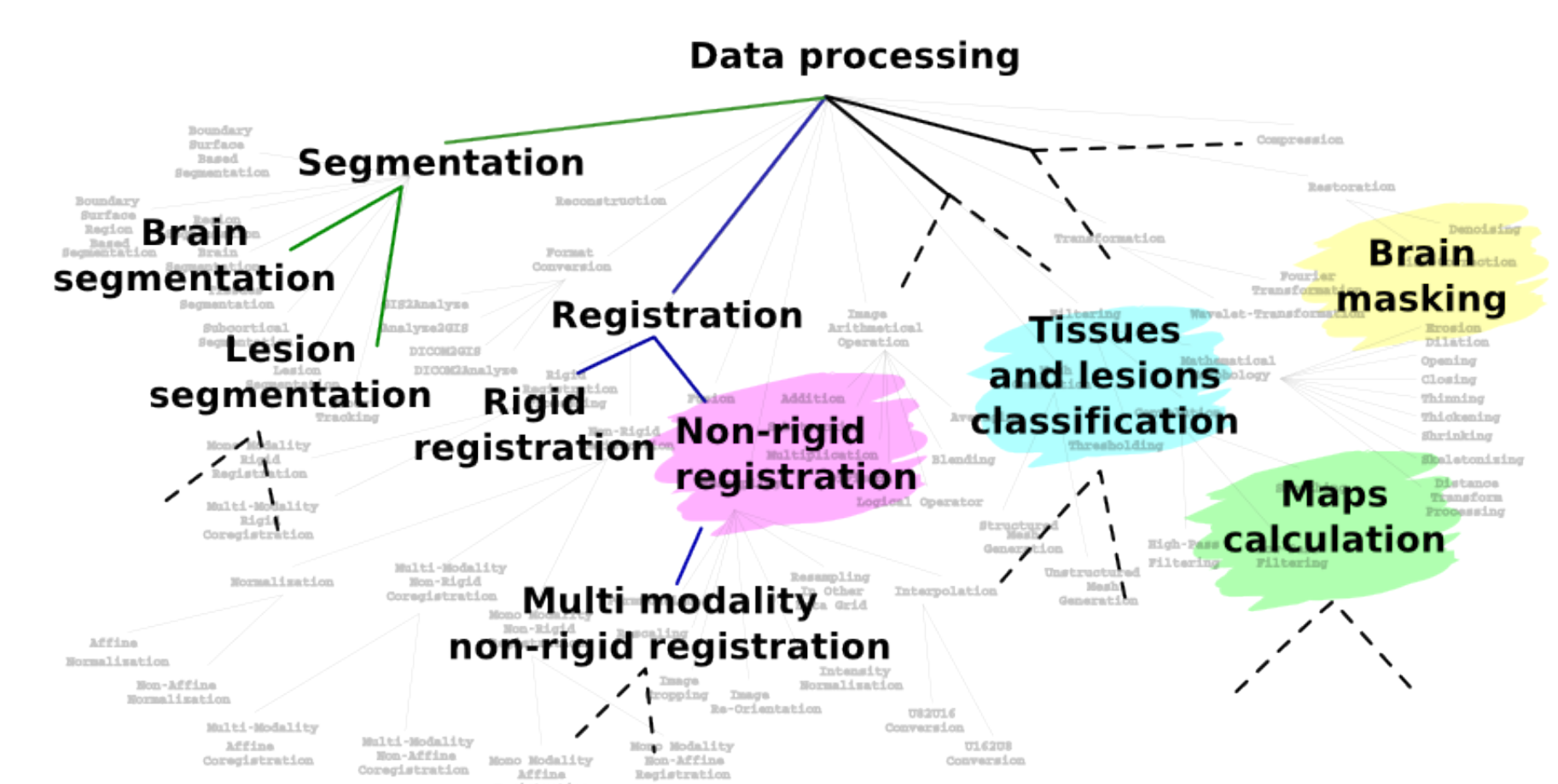
Querying images and metadata



Semantic queries

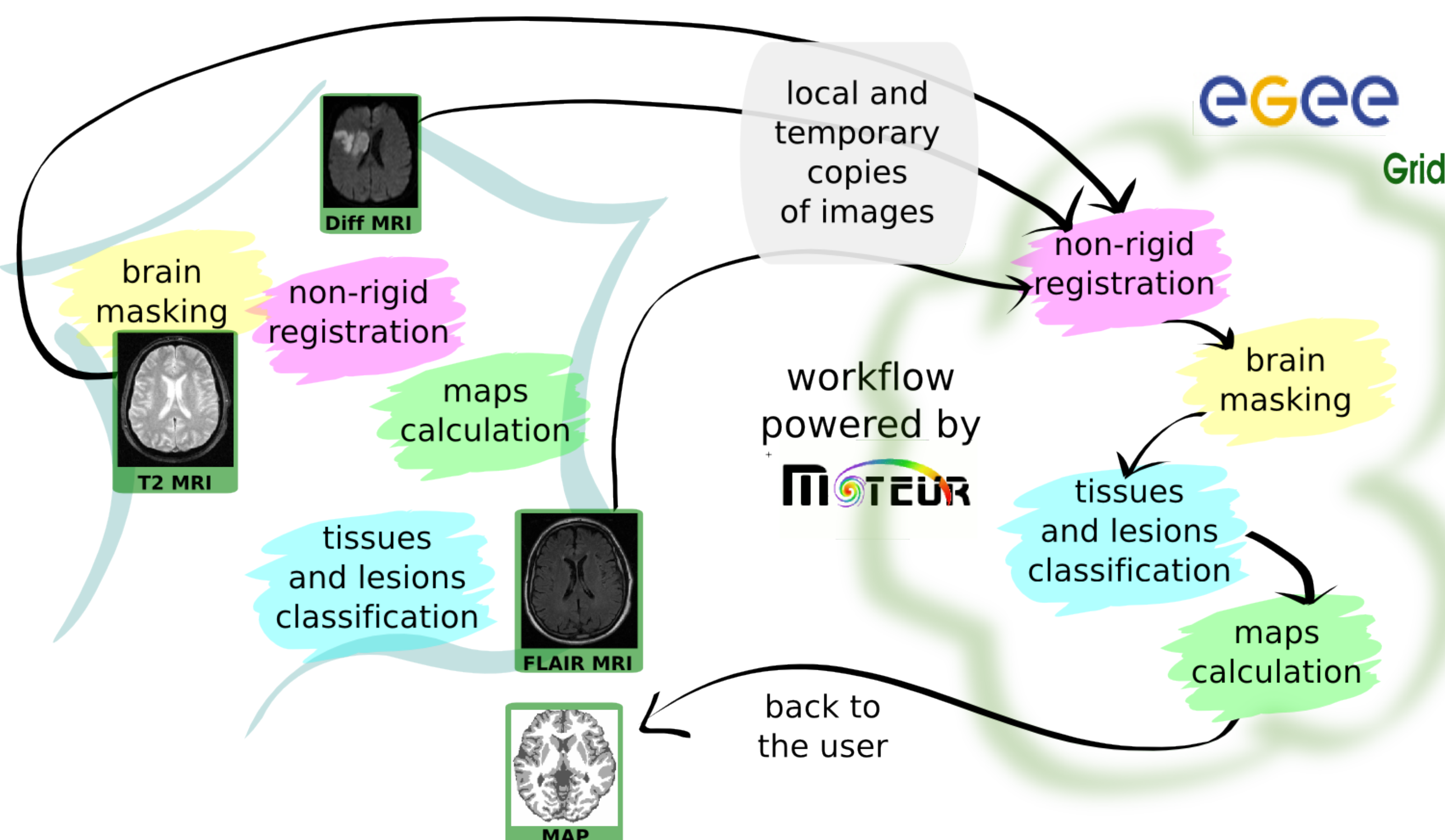


Processings ontology



Application workflows

Brain stroke
Tumour
Multiple sclerosis



Partners

Three different competences :

- medical imaging
- databases and knowledge
- software technologies

