## egee

## A comparison of ARC and gLite on medical imaging use-cases

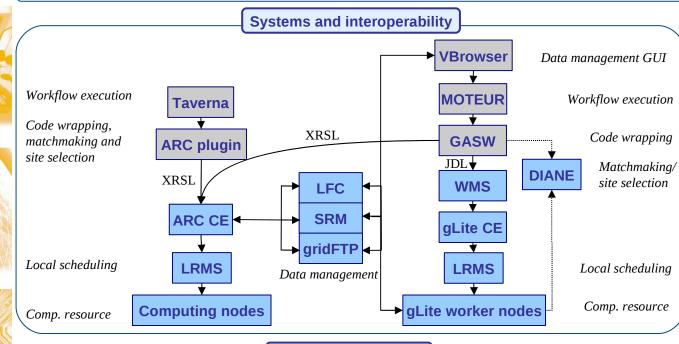
## Tristan GLATARD<sup>1</sup>, Xin ZHOU<sup>2</sup>, Sorina CAMARASU-POP<sup>1</sup>,Oxana SMIRNOVA<sup>4</sup>, Henning MÜLLER<sup>2,3</sup>

<sup>1</sup>CREATIS, CNRS, INSERM, Université de Lyon

<sup>2</sup> Medical Informatics, University of Geneva ; <sup>4</sup> University of Applied Science Western Switzerland, Sierre <sup>4</sup> NDGF and Institute of Physics, Lund University

**Objectives** 

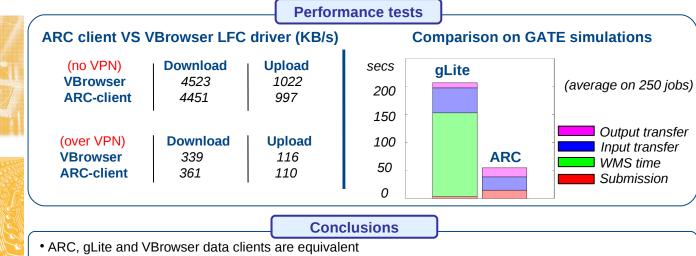
Enable application-level interoperability between ARC and gLite in order to (1) allow cross executions of medical imaging applications and (2) compare the performance of those two middleware on complete use-cases.



## **Application results**

• Executed Image Retrieval application (developed on ARC) with data stored on EGEE SE

Executed GATE workflow (developed on gLite) on computing resources managed by ARC



- ARC's matchmaking performs better than gLite's in the tested case
- Pilot jobs are difficult to use with ARC
- Infrastructure overhead is very high in both cases