9. INRIA; Institut Natl. de Recherche en Informatique et Automatique

Contributions to GRAIN2

GRAIN2

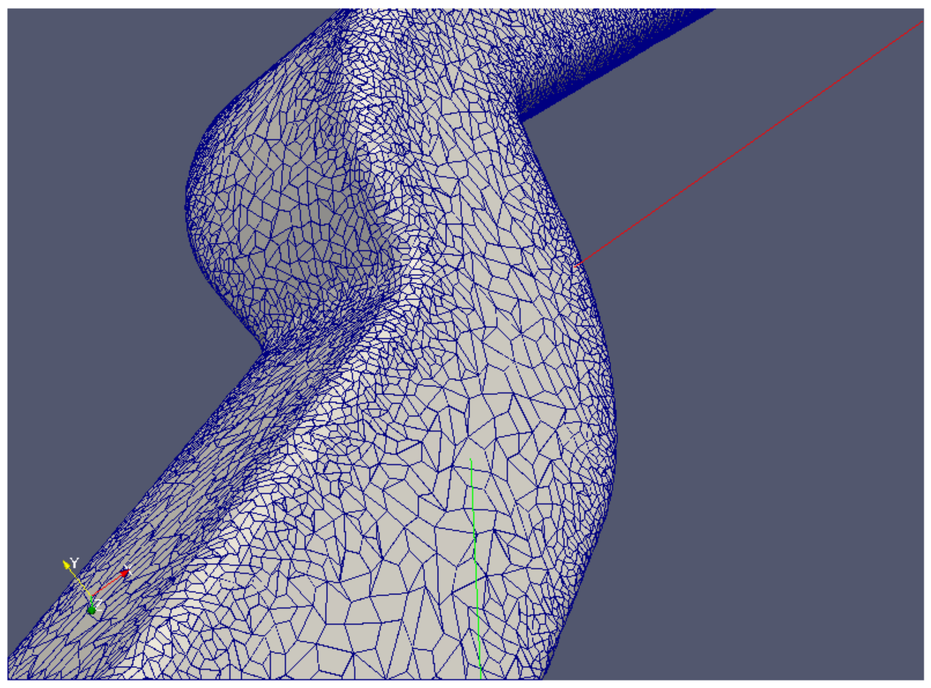
KGT2 Contributor

INRIA – Institut National de Recherche en Informatique et Automatique:

- Public institution, Research in Computer Science and Control
- Research, transfer and innovation in Systems, Software, Networks and Control

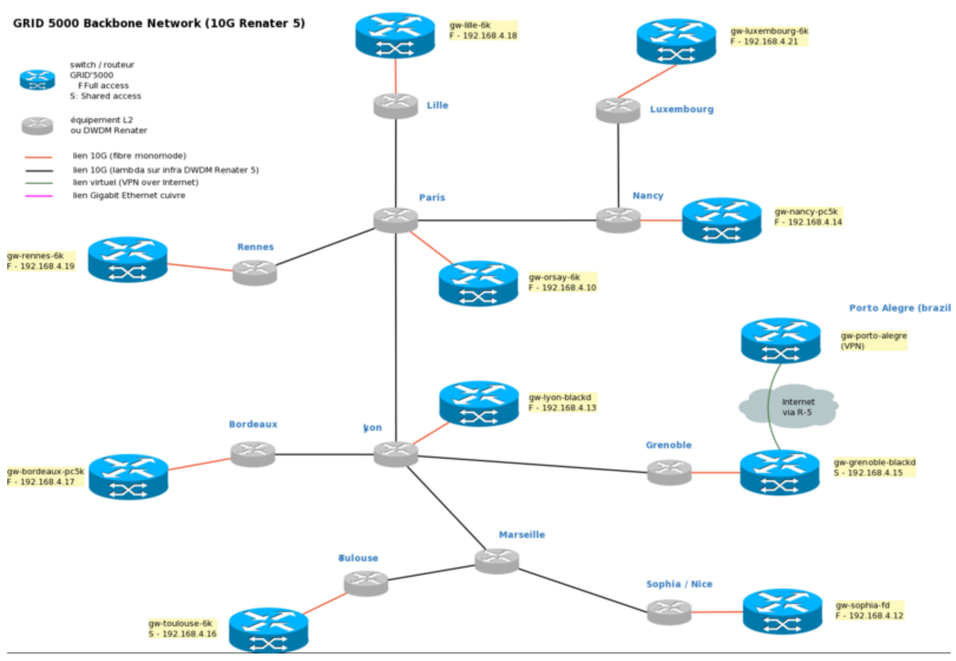
Technical contribution:

- KGT2; Airframe Flight Physics.
  - Numerical Simulation
  - HPC innovative architecture
  - Big Data management and visualization



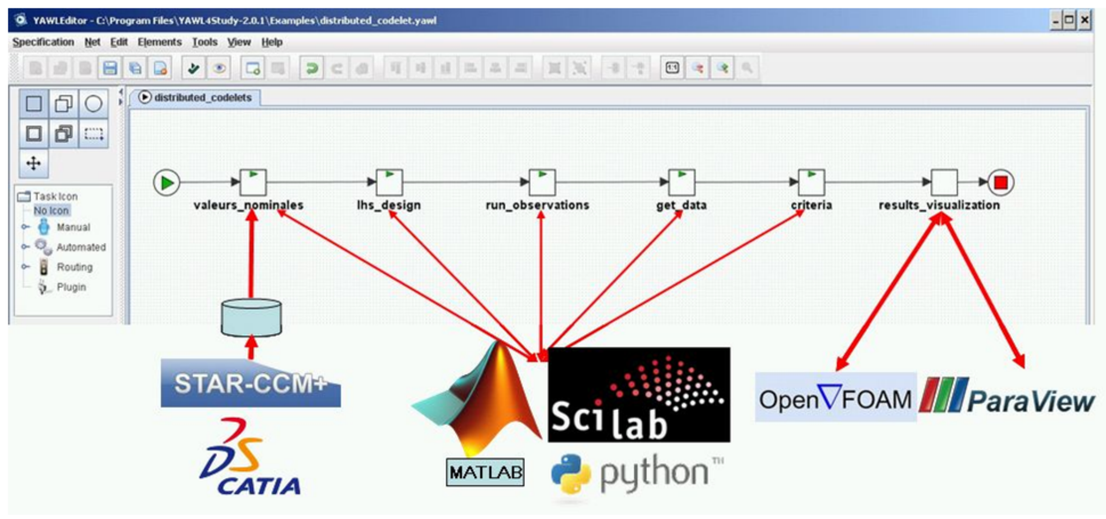
Projects:

- OPALE: numerical optimization HPC platforms
- VELASSCO: Visual analysis for extremely large-scale scientific computing (FP7)
- MOAIS: Distributed and High-Performance Parallel Computing (INRIA)



Future activities:

- Design and development of distributed and parallel software platforms for interactive High-Performance Computing and Visualization
- Fault-tolerant HPC environments



Selected Publications:

- A Fault-Tolerance Approach to Distributed Applications. T. Nguyên, J-A. Désidéri. Proc. 2013 International Conf. on Parallel & Distributed Processing Techniques & Applications (PDPTA 2013). Las Vegas (USA). July 2013.
- Applications Resilience on Clouds". T. Nguyên, J-A. Désidéri. Proc. 2012 International Conf. on High Performance Computing & Simulation (HPCS 2012). Madrid (SP). July 2012.

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