CONTENTS

PYTHON 3

- **Prerequisities** : Paraview 6 (end of 2017) will drop python 2 support
- **Python 2 countdown** is started
- **Main components** will be revised in 2017
- Users will have to **revise their own scripts**
  - Migration guide will be provided to help with this transition

DOCUMENTATION

- **Today**
  - Ageing pages
  - Missing high level information

- **SALOME tool choices**
  - Doxygen for code
  - Sphinx for the rest

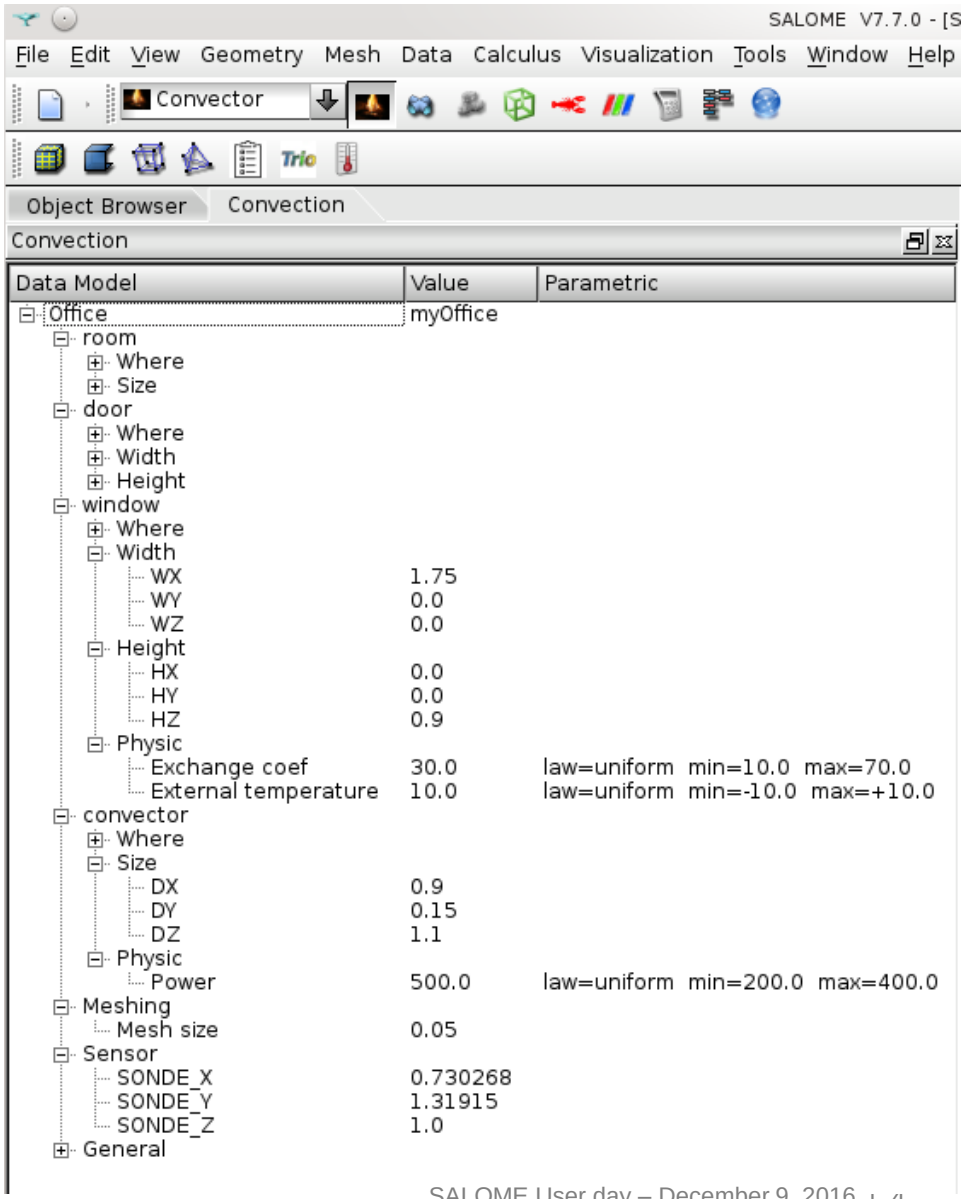
- **A current action revised the structuration of the documentation**
  - Users manual
    - Especially for casual users
  - FAQ & HOW TO
    - How to build an application
    - How to develop in the platform
  - References
    - API documentation
  - Technical
    - Architectural documentation
  - Quality
    - Validation process

DATA MODEL FOR APPLICATION BASED ON SALOME

Roadmap

- 2014 : feedback on :
  - XDATA tool from CEA
  - EFICAS tool from EDF
- 2015 : 2 ways to define a data model
  - Declarative way based on “XSD” schema
  - Programming way based on class derivation
- 2016 : Prototyping theses 2 solutions
  - EDF : experiment a “XSD” schema
  - CEA : on the last JUS for the programming way

  “Design and analysis of numerical experiments
  with SALOME and URANIE as prerequisite”
- 2017 : Design first applications



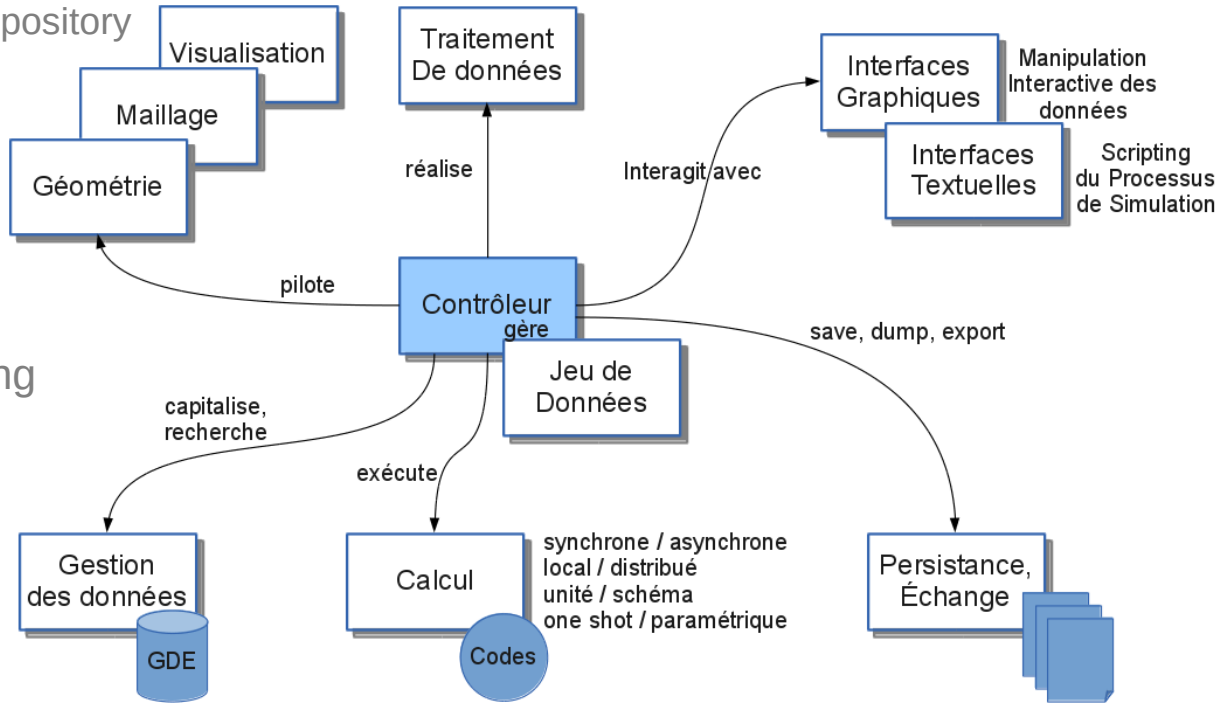
MODULARITY

Goals

- SALOME as a set of libraries (API definition)
- SALOME as a set of standalone applications (standard file exchange)
- SALOME as a platform for integrating applications (tools to help integration)

Roadmap

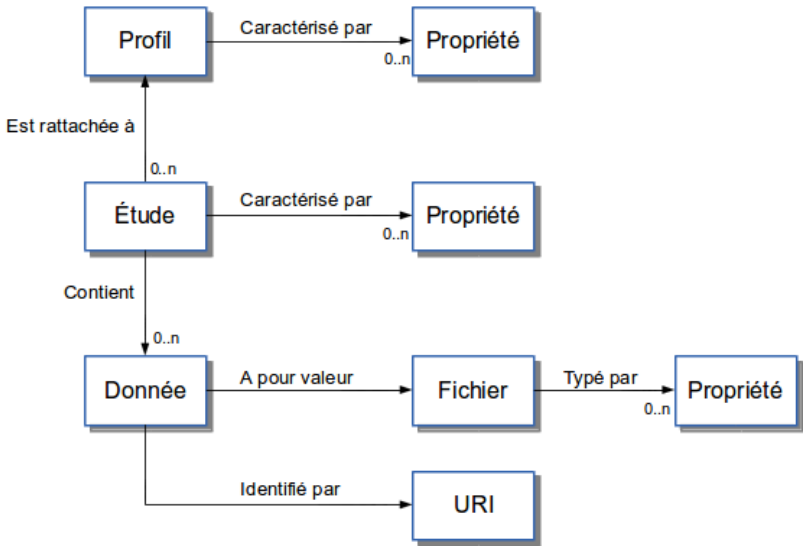
- 2016 : first set of tools
  - MEDCoupling : its own repository
  - Curve plot
  - Python Console
- 2017 : second set of tools
  - 2D views
  - 3D views
  - Distribution as a service
- 201x : Incrementally working



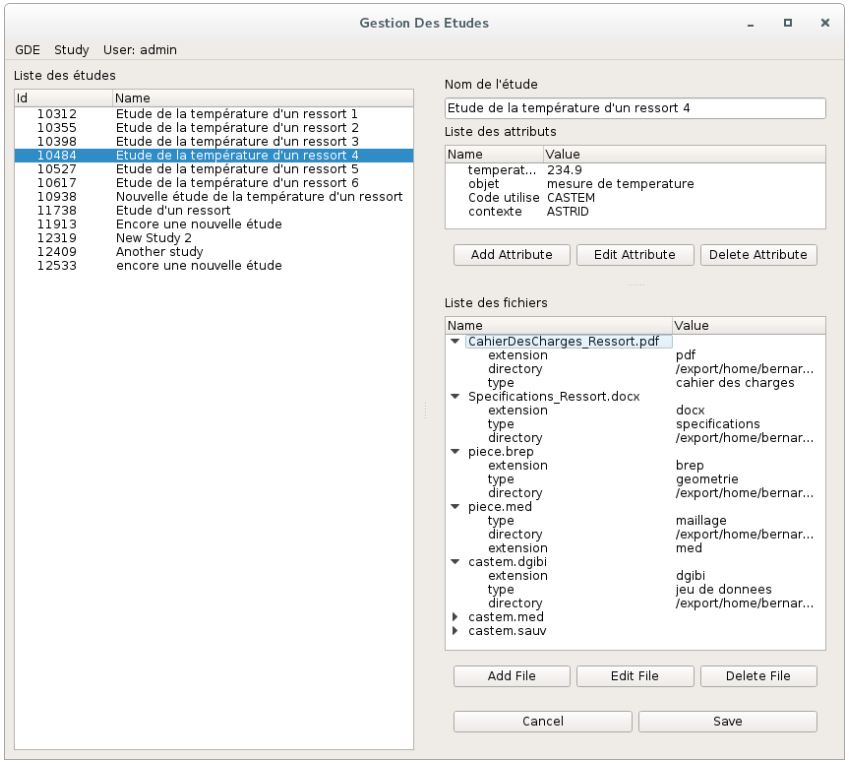
DATA STUDY MANAGER (GDE)

Roadmap

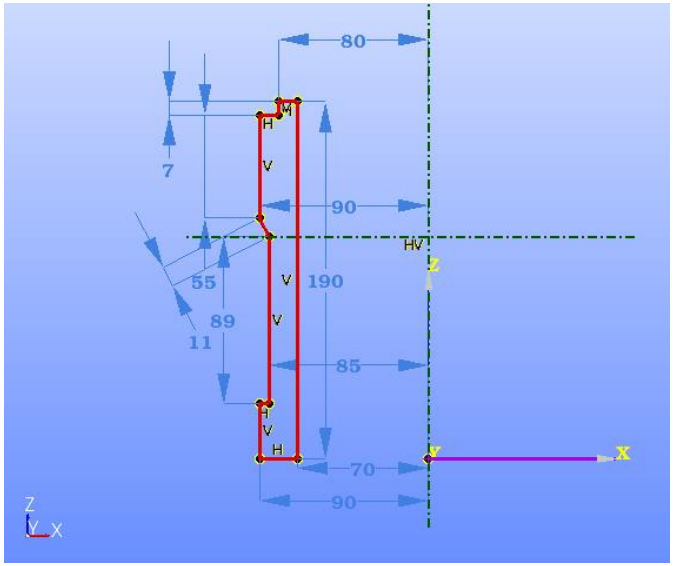
- 2016 : technical basis development
- 2017 : proof of concept by 2 use cases to build
- 2018 : first release



Class diagram

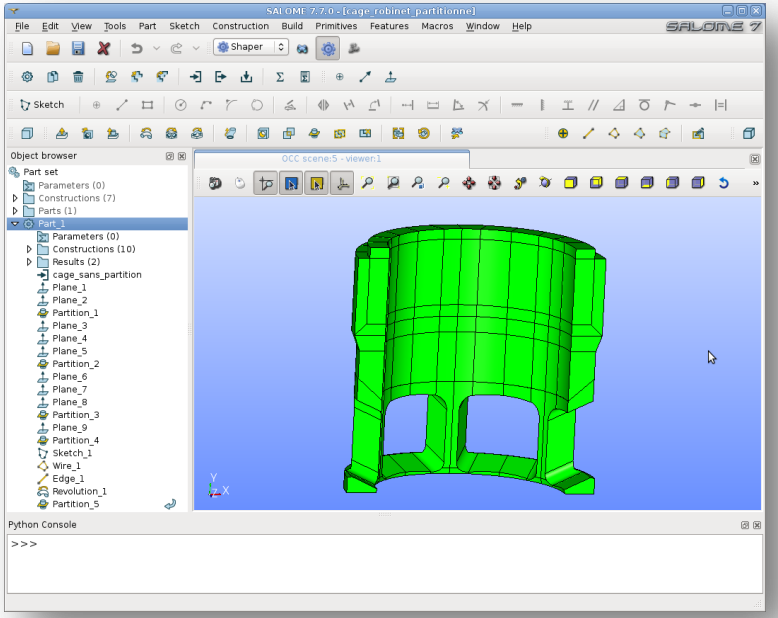


SHAPER



SHAPER 2.6.0

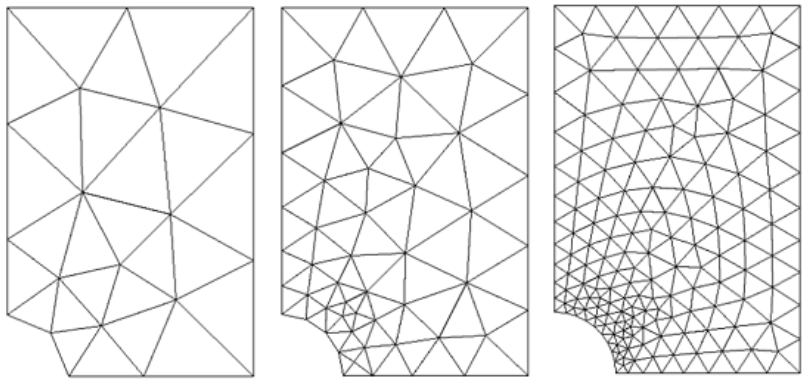
- This version can produce industrial shapes
- 3D constraints solver: FreeCGS from FreeCAD
- Scripting available
- Easing the transition
  - GEOM functionalities are covered
  - Shaper will be compatible with today's scripts



Perspectives

- First release, schedule in 2018
- 2017 will be dedicated to bring the latest features and tests to the module

SMESH



- **Roadmap**
  - 2016 : a performance specification is ready. A factor 2 already earned.
  - 2017 : first improvment stage and performance evaluation
  - 2018 : second improvment stage will allow large mesh handling : 50 000 000 cells on local workstation

- **And future work**
  - Deeper relationship between SHAPER and SMESH
  - SMESH flexible like SHAPER (parametrization)
  - Improvments on hexaedral meshes generation

Thank you for your attention