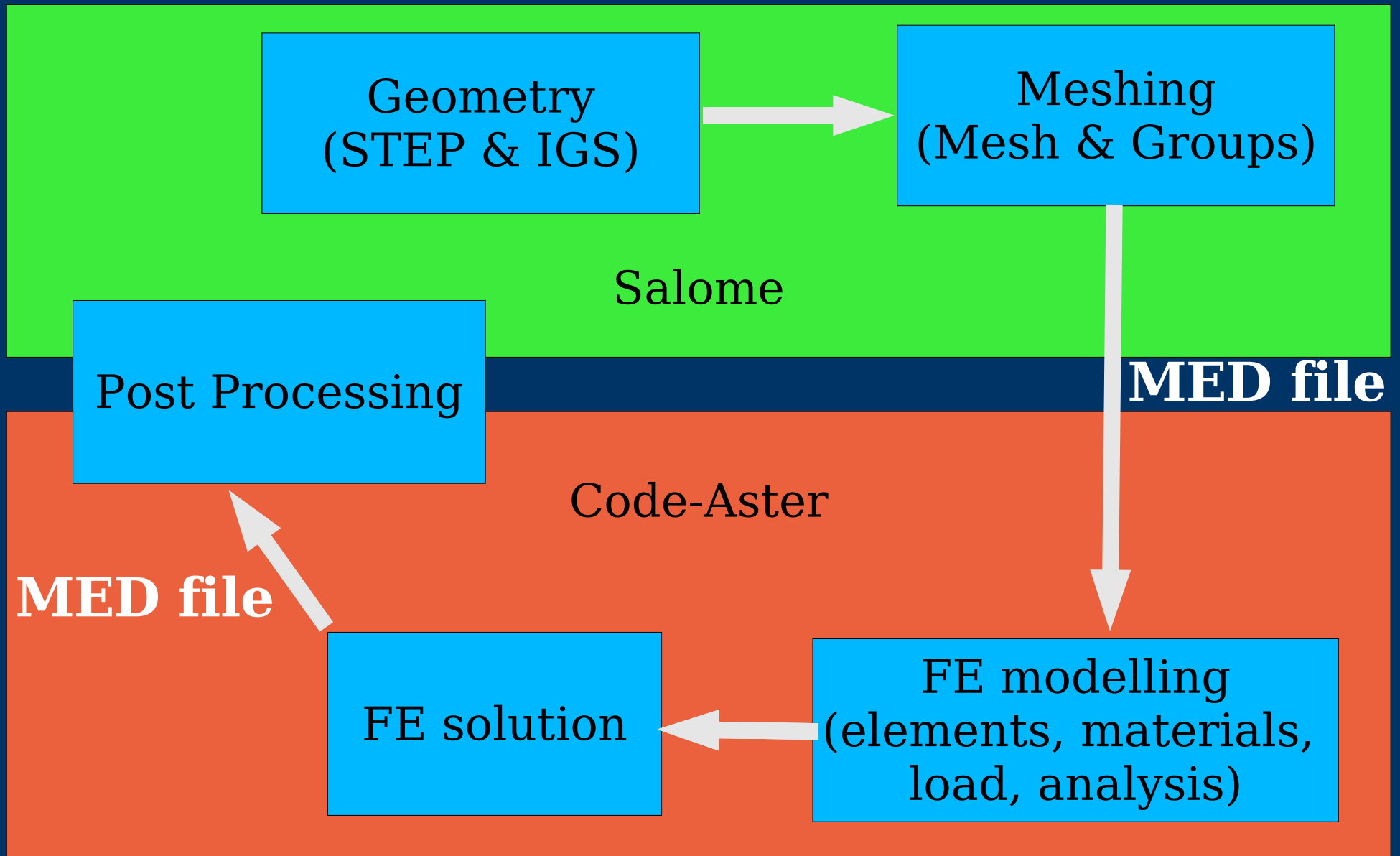
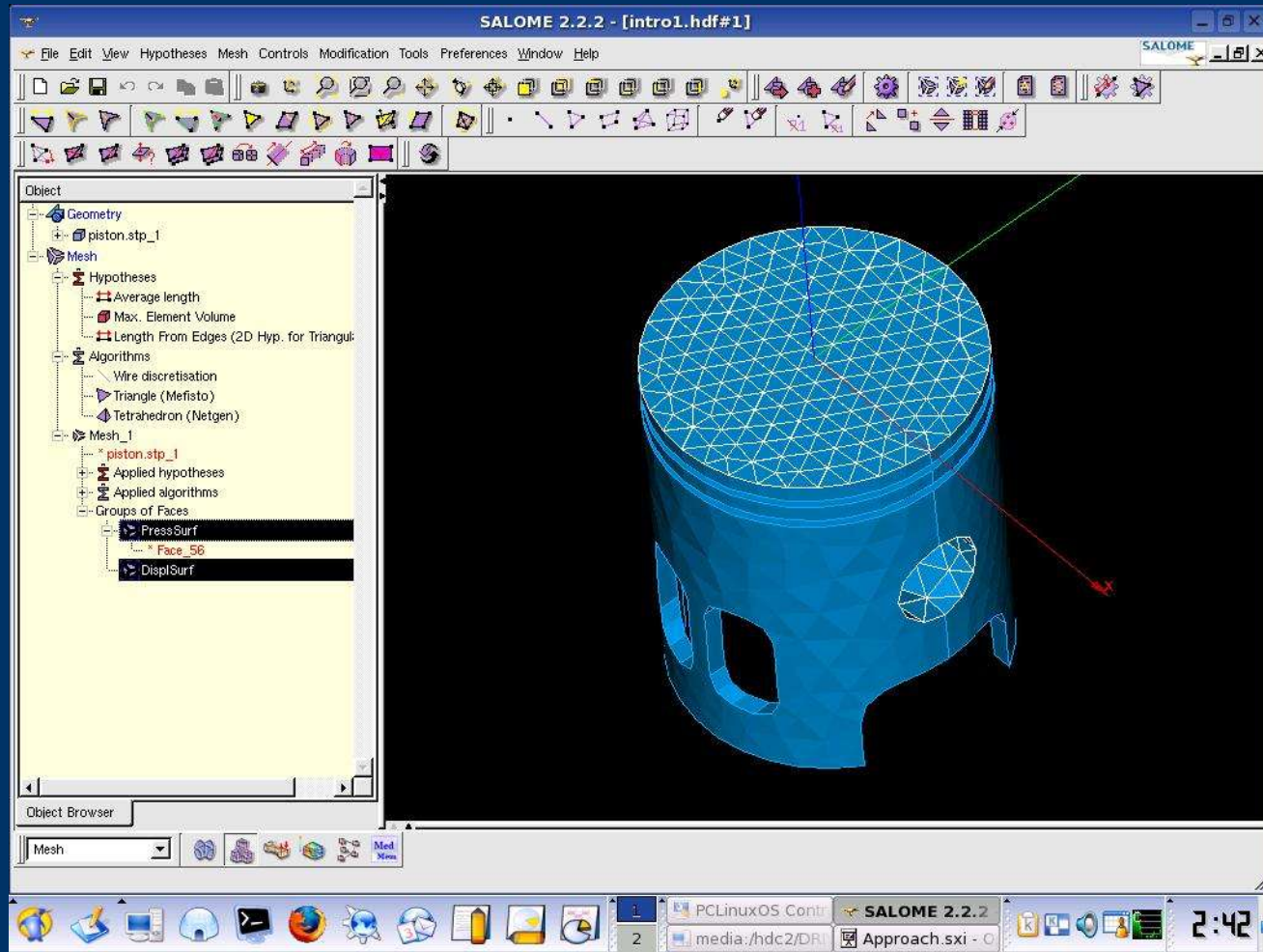


Modeling Approach



Salome - Aster interaction



Salome - Aster interaction

The image displays two software windows side-by-side. The left window is SALOME 2.2.2, showing a 3D model of a piston with a mesh and various simulation hypotheses. The right window is EFICAS v1.8 pour ASTER, showing a tree view of simulation parameters and a list of allowed keywords.

SALOME 2.2.2 - [intro1.hdf#1]

Object Browser:

- Geometry
 - piston.stp_1
- Mesh
 - Hypotheses
 - Average length
 - Max. Element Volume
 - Length From Edges (2D Hyp. for Triangul
 - Algorithms
 - Wire discretisation
 - Triangle (Mefisto)
 - Tetrahedron (Netgen)
 - Mesh_1
 - piston.stp_1
 - Applied hypotheses
 - Applied algorithms
 - Groups of Faces
 - PressSurf
 - Face_56
 - DisplSurf

EFICAS v1.8 pour ASTER

tree view:

- DEBUT :
- commentaire *Read MED MESH File*
- LIRE_MALLAGE : MeshLin
- UNITE : 20
- FORMAT : 'MED'
- b_format_med
- NOM_MED : 'Mesh_1'
- INFO_MED : 1
- commentaire *Assigns a physical model*
- AFPE_MODELE : FEMLin
- commentaire *Material properties*
- DEFI_MATERIAU : Steel
- commentaire *Assigns a physical model*
- AFPE_MATERIAU : Mat
- commentaire *Boundary conditions*
- AFPE_CHAR_MECA : ECnd
 - MODELE : FEMLin
 - DDL_IMPO :
 - GROUP_MA : 'DisplSurf'
 - DX : 0.0
 - DY : 0.0
 - DZ : 0.0
 - PRES_REP :
 - GROUP_MA : 'PressSurf'
 - PRES : 100.0
- commentaire *Assembling FE matrices*

Keywords list:

Mots-clés permis	Règles
VERI_DDL	AU MOINS UN :
VERI_NORM	DDL_IMPO
TEMP_CALCULEE	FACE_IMPO
HYDR_CALCULEE	CHAMNO_IMPO
SECH_CALCULEE	LIAISON_DDL
EPSA_CALCULEE	LIAISON_XFEM
EVOL_CHAR	FORCE_NODALE
PRES_CALCULEE	FORCE_FACE
PESANTEUR	FORCE_ARETE
ROTATION	FORCE_CONTOUR
DDL_IMPO	FORCE_INTERNE
DDL_FOUTRE	PRES_REP
FACE_IMPO	FORCE_POUTRE
CHAMNO_IMPO	FORCE_COQUE
LIAISON_DDL	LIAISON_OBLIQUE
LIAISON_OBLIQUE	FORCE_ELEC
LIAISON_GROUP	INTE_ELEC
LIAISON_MAIL	PESANTEUR
LIAISON_CYCL	ROTATION
LIAISON_SOLIDE	IMPE_FACE
LIAISON_ELEM	VITE_FACE
LIAISON_UNIF	PRES_CALCULEE
LIAISON_CHAMNO	EPSA_CALCULEE
LIAISON_XFEM	LIAISON_CHAMNO
VECT_ASSE	VECT_ASSE
CONTACT	LIAISON_COQUE
	LIAISON_MAIL
	LIAISON_CYCL

Buttons: Supprimer, Documentation

Salome - Aster interaction

Salome

Aster (.comm)

