Note of validation tool-trade MEDCONVERTER

Summary:

This document described validation tool-trade MEDCONVERTER for the conversion of grids to the format Systus and Abaqus towards format MED of the platform salome_meca.

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1 Presentation of the interface

1.1 Description

The graphic interface of the tool trade comprise 4 limp of adjustment visible in figure 1.1-1 as well as a tutorial to guide the stages of conversion.

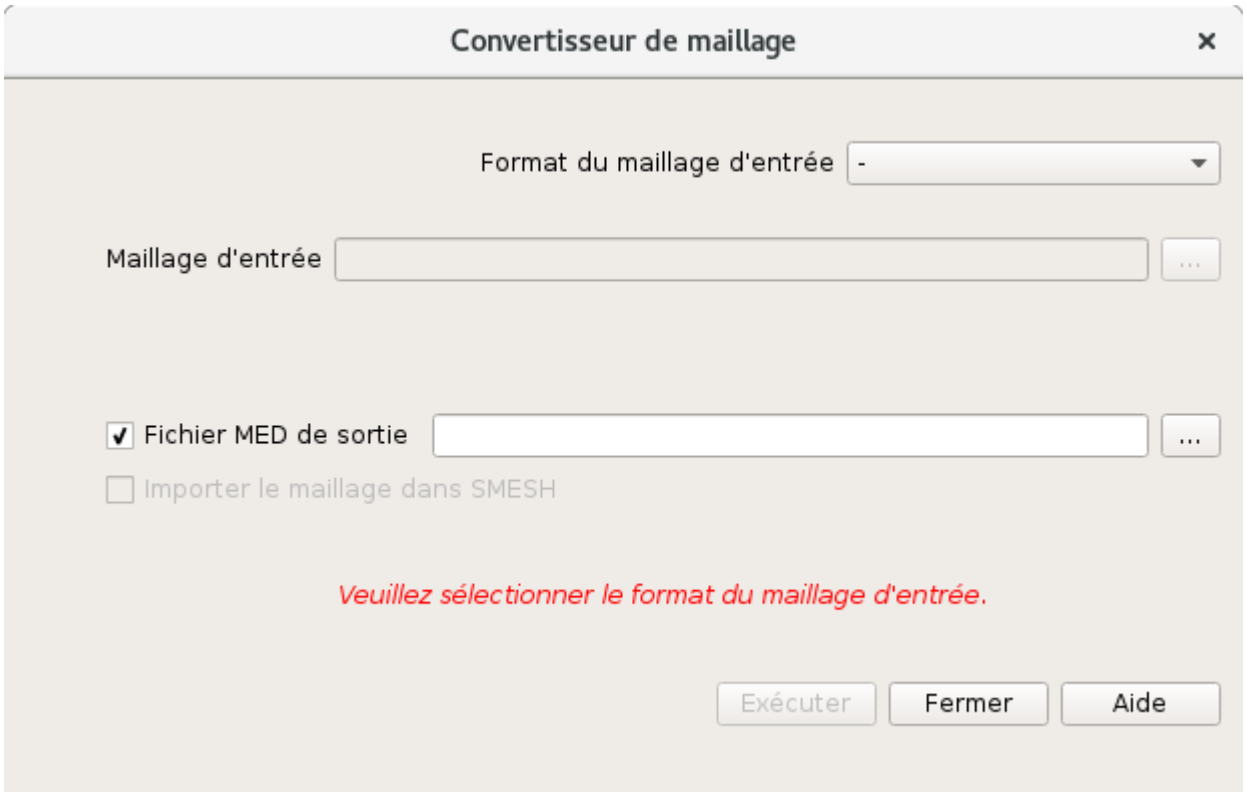

Figure 1.1-1: IHM tool for conversion of grids

1.2 Graphic receipt

The interface of the tool-trade can be tested using one grid of test embarked. The sequence of the receipt is the following one:

- To open the interface converter
  1. To open Salome Meca
  2. To create a new study
  3. Tools → Extensions → salome_meca → Converter of grids
- To indicate it format of the grid of entry: Systus
- To select it file grid of entry: *IDIR*/share/salome/resources/test/data/MULTI_DONN1.ASC, where *IDIR* is the repertoire of installation of the tool-trade.
- To select the file grid of exit: a file *test.med* on the Desk for example
- To activate the importation of the grid in SMESH
- To carry out conversion
- To check itexistence file *test.med* on the Desk
- To open module SMESH
- To check the presence ofone grid as in figure 1.2-1 :

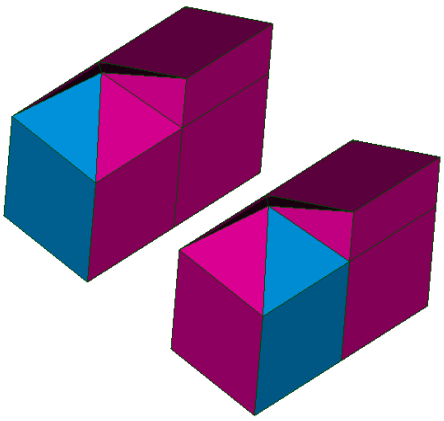

Figure 1.2-1: Grid of test MULTI_DONN1

- To check finally that the grid contains:
  1. 61 nodes
  2. 14 elements, including 7 linear and 7 quadratic