

# Advance Elicitation Tool

## *Quick Guide*

“Advance Elicitation Tool” is a web-based tool that allows user to manage a list XML files in the “Galatea” format.

The administration features include the possibility to **upload**, **download**, **edit**, **view** or **delete** an XML file.

Every features can be executed via a user friendly web based interface, that is accessible either from mobile or desktop devices.

## Accessing the “Advance Elicitation Tool”

To access the tool users have to connect to <http://advance-et.ttsnetwork.net> and insert a correct username and password (see [figure 1](#)). If credentials are verified, they will be directed to a file-list page (see [figure 2](#)). The default installation has an account with username “user1” and password “1234”.



Advance Elicitation Tool

SEVENTH FRAMEWORK PROGRAMME

Username

Password

Enter

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Figure 1 - Login page

## File-lists page

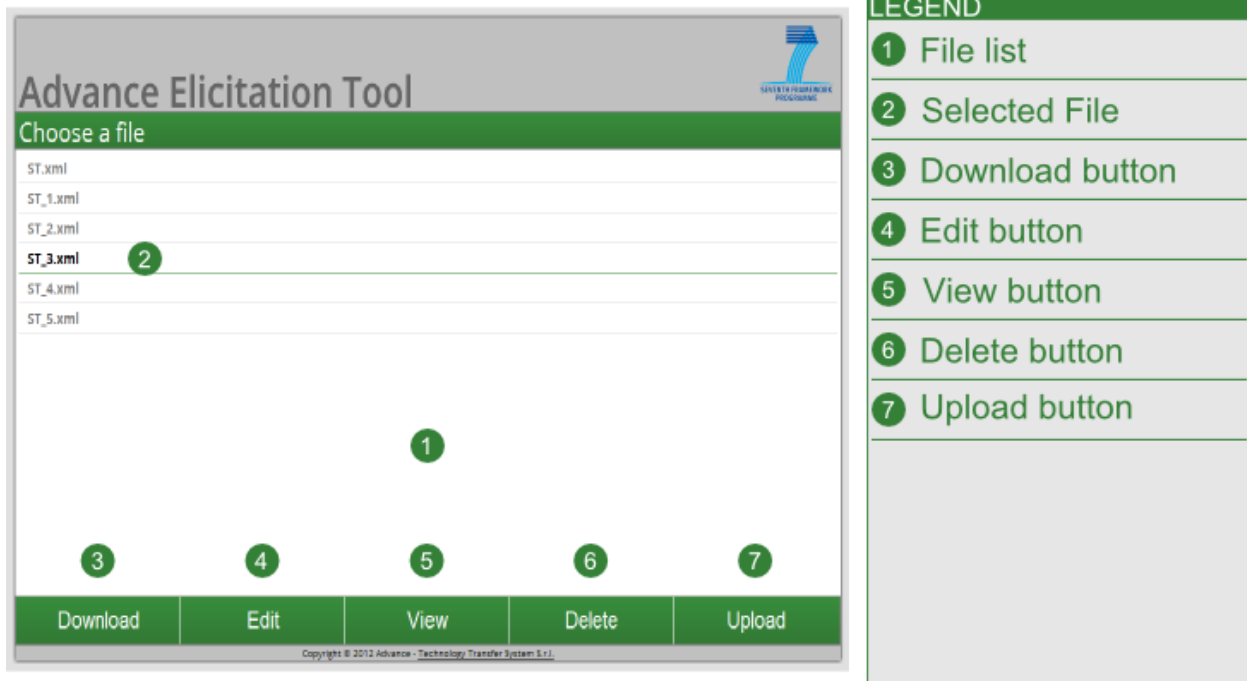


Figure 2 - File list page

This page displays a list of all XML files stored into the tool. Users can select a single file clicking on its name in the list. When a file is selected, his name become bold and green-underlined.

At the bottom of the page is displayed a list of buttons that provides all the actions that can be performed on the selected file. A green button corresponds to an available feature, otherwise a gray button indicate a feature that isn't available (see [figure 2](#)).

## Download file

To download a file, users have to select a file and click the 'Download' button (see [figure 2](#)). Depending on the user browser settings, when the download will start automatically, and the user should be asked for the download destination, or for a choice between downloading or opening the file.

## Edit file

File editing provide users the capability to modify and store the values of the selected file's nodes.

To edit file values an user has to select a file from the list, click the 'Edit' file button (see [figure 2](#)) and then they will be redirected on the **edit file page** (see [figure 3](#) and [figure 4](#)).

## Edit file page

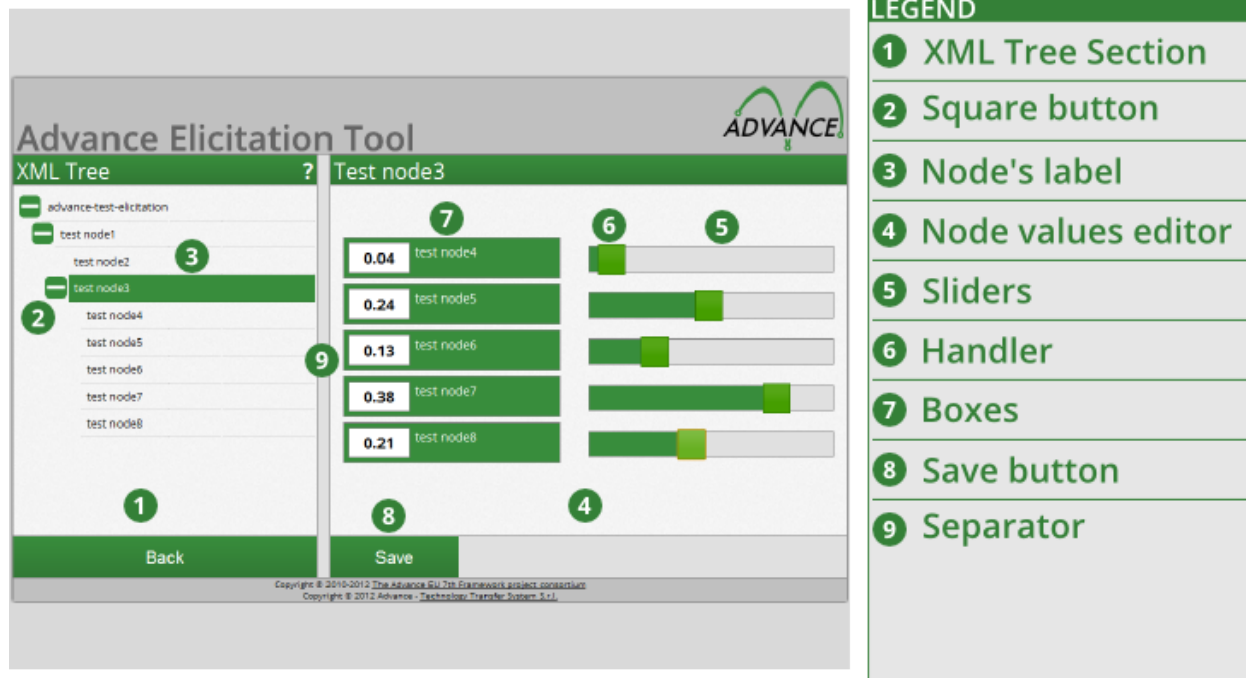


Figure 3 - Edit file page (with slider into node values editor)



Figure 4 - Edite file page (with graph into node values editor)

Through this page users can navigate into the XML tree, click a node to select it, and edit its values on the editor. This capability are provided from 2 sections: **XML tree section** and **Node values editor** (see [figure 3](#) and [figure 4](#)).

When users access the edit file page via a large screen, likely to be a desktop monitor, this sections are divided by the separator, a vertical grey line that could be clicked to expand the

**Node values editor** (see [figure 3](#) and [figure 4](#)).

#### *XML Tree Section*

This section displays the full XML tree of the file previously selected on the file-list page.

Node by node, starting from the root, users can navigate deeply the entire xml tree.

Each nodes consist of a **small square button** and the **label** of node:

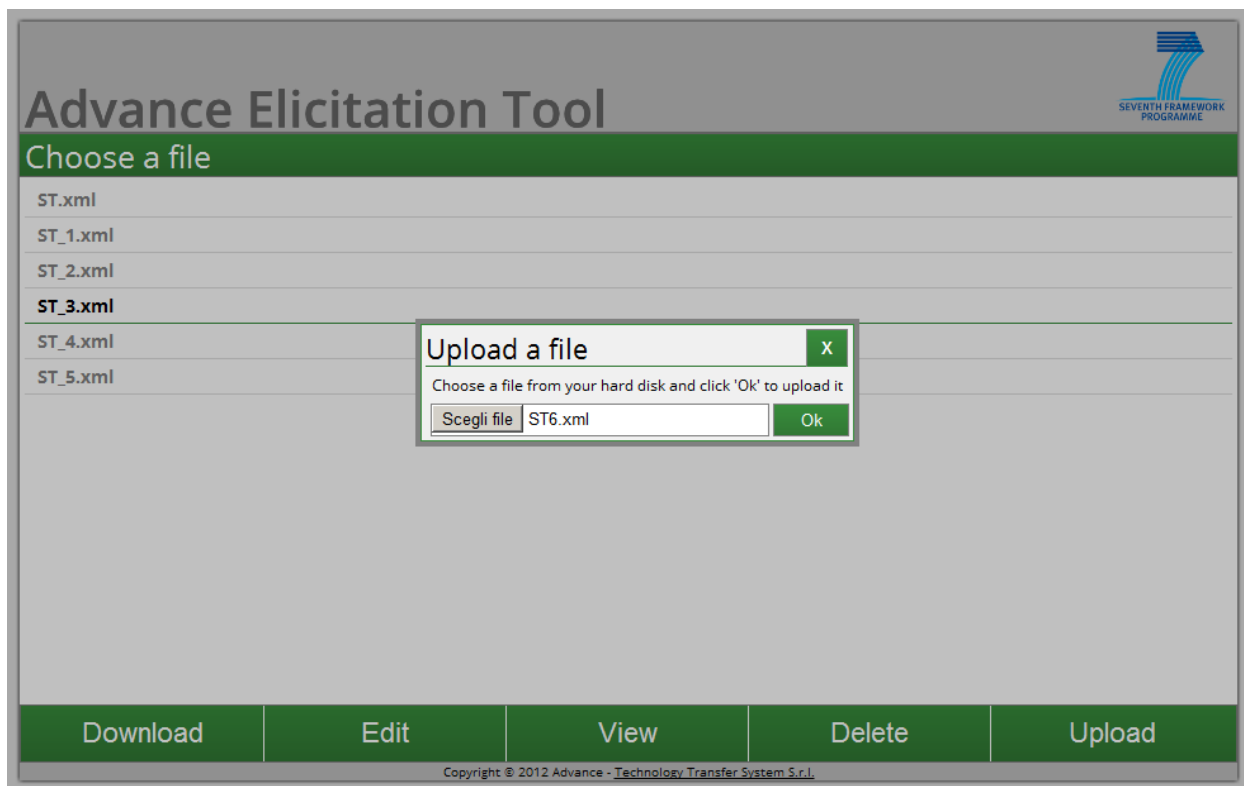
- As with a dropdown menu, clicking the **small square button**, the user can open the relative node and see all of its children or close it if it's already opened.
- Clicking on the node's **label** users will activate the node value editor for this node.

#### *Node values editor*

This section allow the editing of the selected node's values. It could consist of 2 main contents, depending on the type of the selected node: a variable number of **slider** (see [figure 3](#)) or a **graph** (see [figure 4](#)):

- Sliders will appear when a non-leaf node is selected in number of one for every children of the selected node. Every slider consists of an horizontal bar on the right side and a box reporting the normalized value that is currently selected on the slider and the text of the corresponding nodes on the left side. The horizontal bar allows users to set the relative-influence value of its corresponding node moving an handler along the bar. The left-side box allow users to edit the label of the same node by clicking on the text contained. To store the changes made to the node, the user must click the save button on the bottom part of the editor.
- A Cartesian graph will appear when a leaf node is selected. It display values on 2 axes. Every point in the graph corresponds to an mg-value (membership-grade) of the selected node. Every point can be moved around the graph: it must have a "x" value between the values of the previous and the next node, and a "y" value between 0 and 1. At least one point on the graph must have an y-axis value equal to 1 otherwise changes will not be saved and an error message will be displayed. To add a point the user can double click with the mouse on the graph, to remove a point the user can point it with the mouse cursor and right-click it. At the bottom of the editor users can find 4 buttons:, 3 of them are tools for the exploration of the graph:
  - **Save** - Store the modifications done on the graph.
  - **Zoom out** - Decrease the zoom on the graph
  - **Zoom 100** - Restore the initial zoom on the graph
  - **Zoom in** - Increase the zoom on the graph

## **Upload File**



**Figure 5 - Upload file box**

To upload a file users have to select a file and click the “Upload” button (see [figure 2](#)). When upload button is clicked a dialog box will appear. The dialog box allow users to choose a file from their hard-disk and, clicking the ‘Ok’ button, send the file to the server to store it. If the upload is successful, the file will be stored and always available in the file list, otherwise a dialog box with the error message will appear (see [figure 5](#)).

Rules for validation:

- Every tag must have name equal to 'node'
- Every tag must have a code attribute as id
- Every tag must have a label attribute
- Every children tag must have a ri attribute, if not present it will be added on validation with value equal to '0'
- Every leaf tag (tag without children) must (also) have a question tag & a value-mg tag

## Delete a file

To delete a file users have to select a file from the list and click the “Delete” button (see [figure 2](#)). If the process ends successfully the file name will disappear from the file list, otherwise a dialog box with the error message will appear.

## View File (placeholder)

To view file values an user has to select a file from the list, click on the “View” button (see [figure 2](#)) and then they will be redirected to the view file page (see figure 6). Currently this page is a placeholder for the visualization of the result of the “Galatea” model applied to some input values retrieved from the Engine using SOAP web service.

## View file page

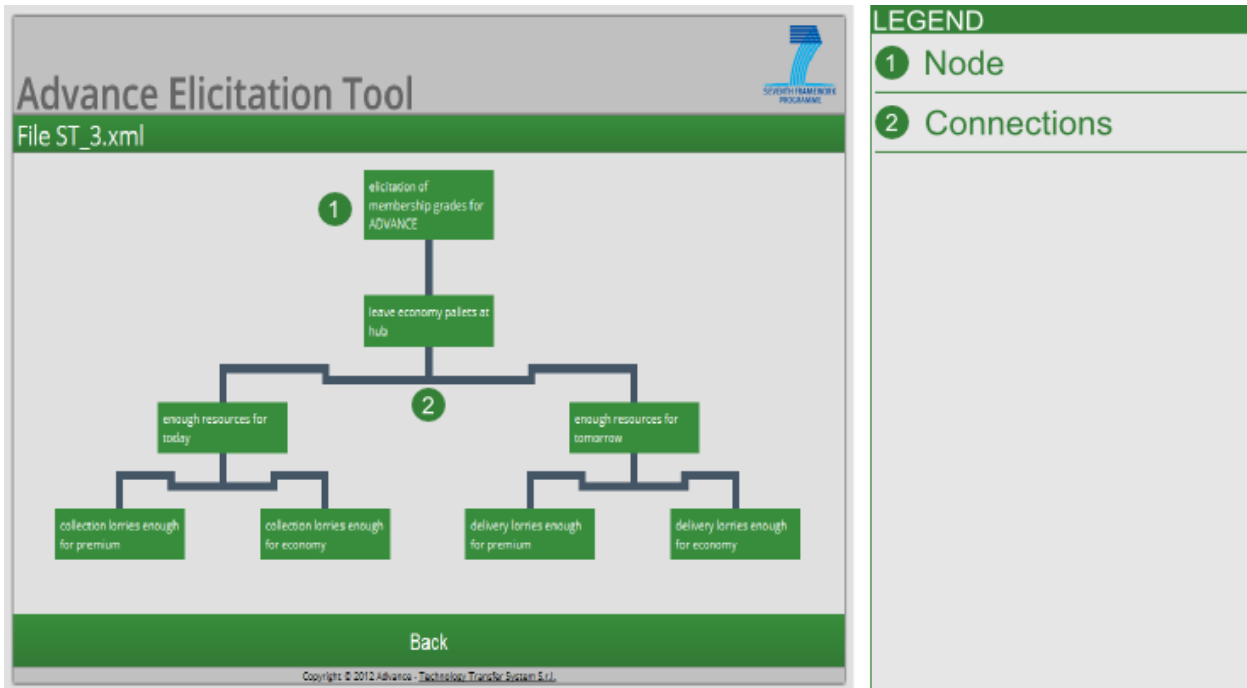


Figure 6 - View file page

Right now, this page provides users an overview on the XML tree of the file selected in the file list. The overview displays every nodes as a green box, with its label inside, and connected to its parent and children (if it has). Since this page is a view-only page, users can't edit the nodes label, or their positions in the tree (see [figure 6](#)).

**NOTE:** this page can displays wrong connections position when its reloaded many times.