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".

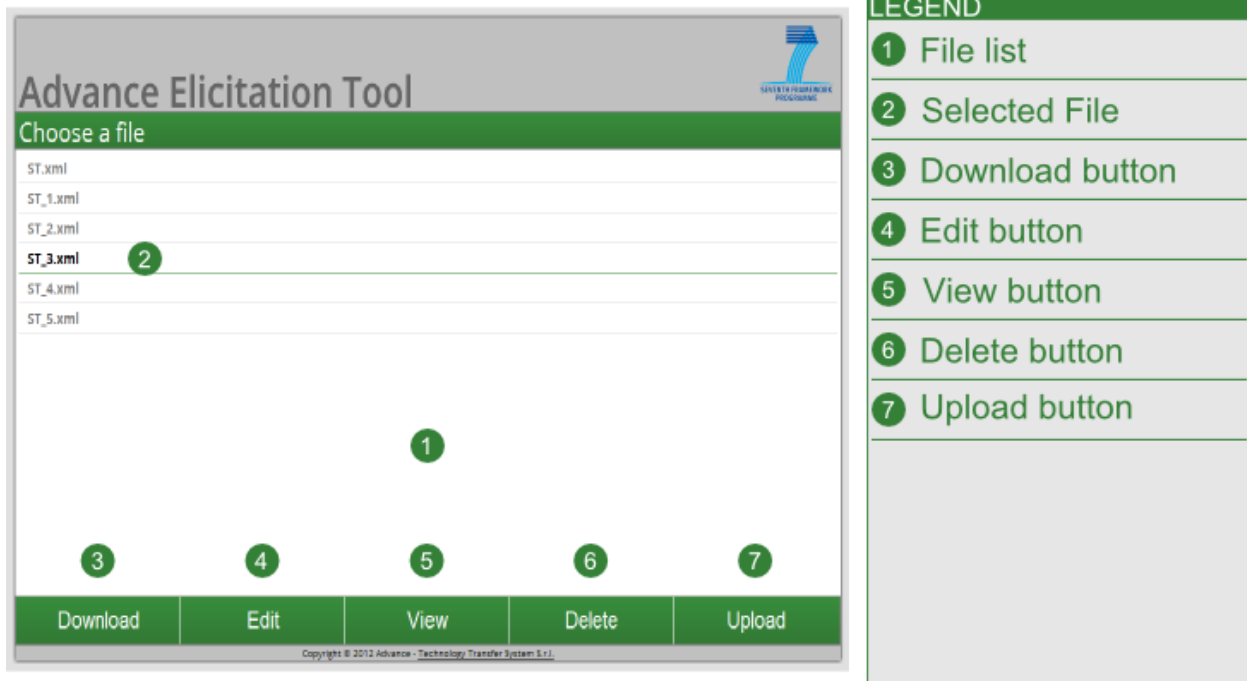**Figure 1 - Login page**

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).
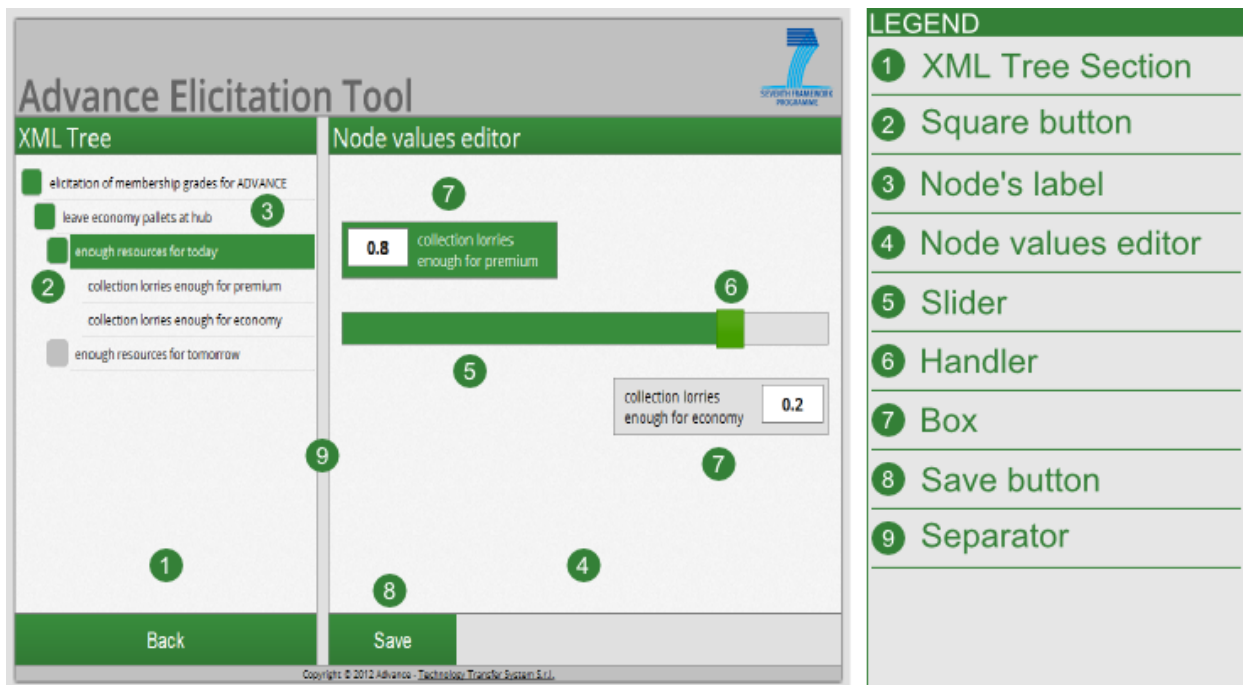
Edit file page

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.
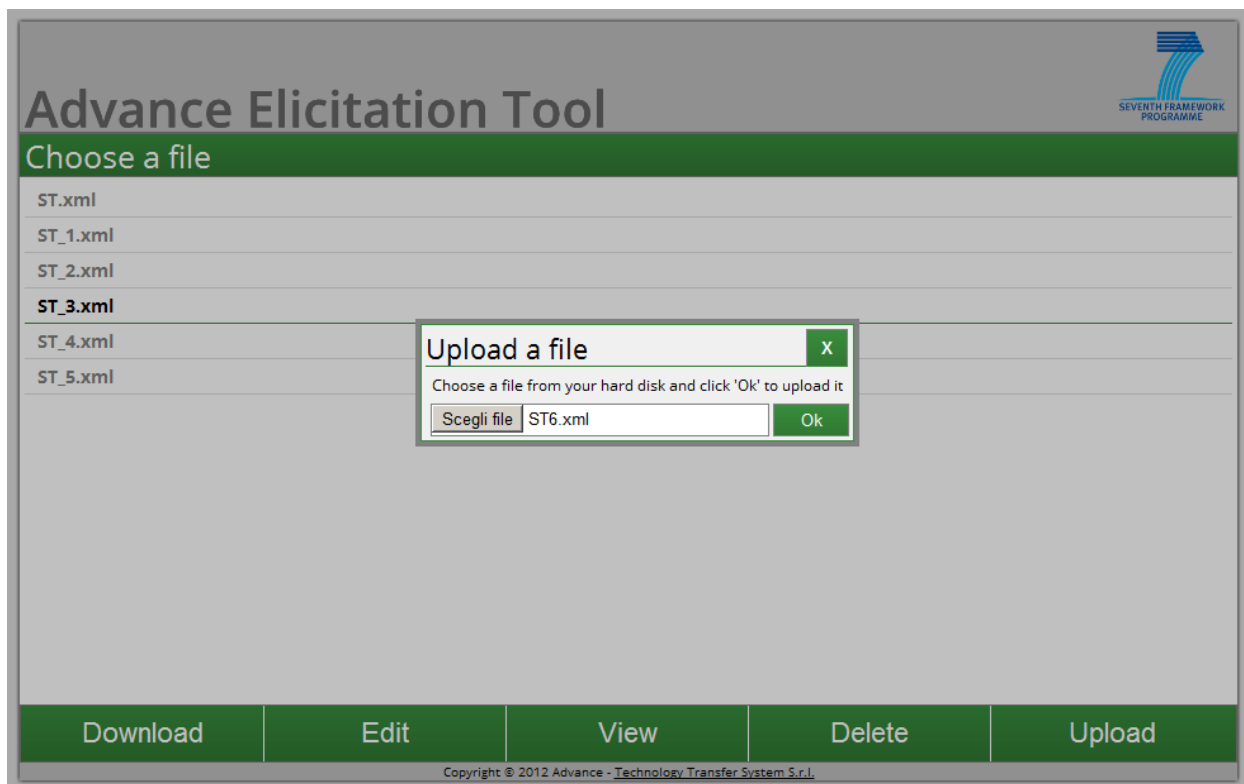

Node values editor

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 **slider** (see figure 3) or a **graph** (see figure 4):

● A slider will appear when a non-leaf node is selected. It consists of an horizontal bar which have on its limits the relative-influence values of the selected node's children. The user can modify the value moving an handler along the bar. Near each limits of the bar, users can find a box reporting the relative-influence value and the label of one of the selected node's children. The label can be edited clicking on it. 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 of the selected (leaf) 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 the bottom of the editor users can find 4 buttons, 3 of them are tools for the exploration of 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

Furthermore, at the bottom of the page there is the save button, to store the modifications done 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).
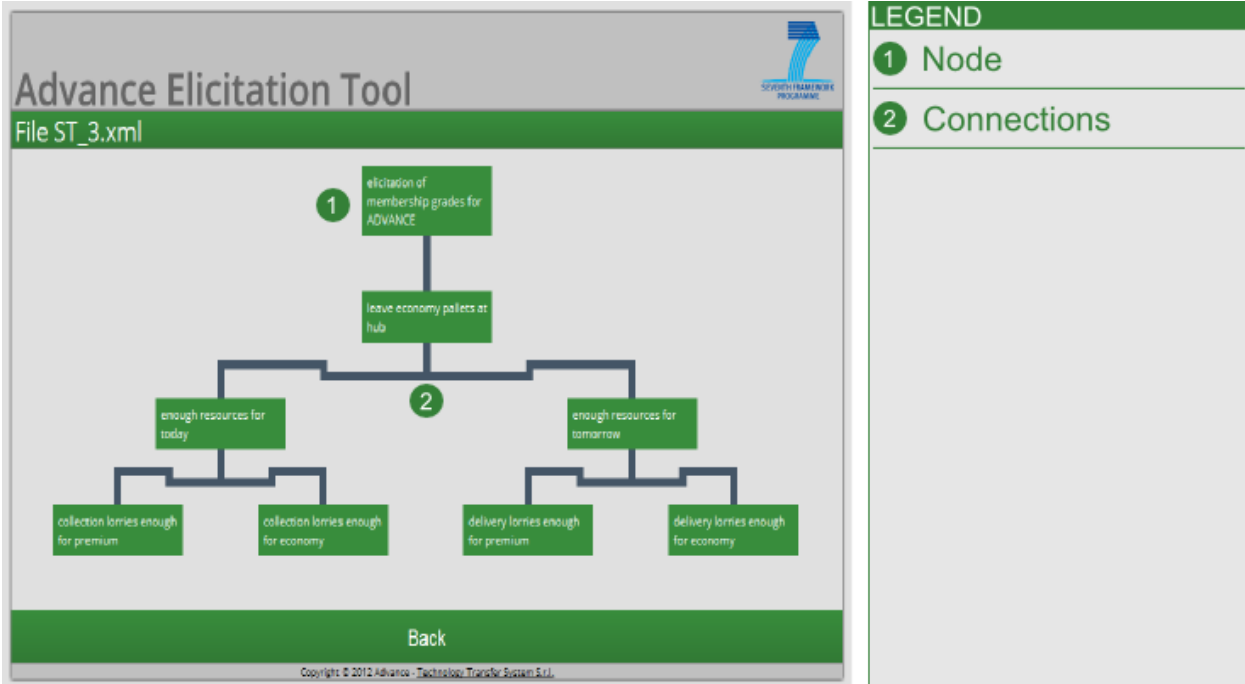
Delete a file

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.