

Sujet

Développement d'application - Interface web d'applications scientifiques

Présentation équipe GRIL

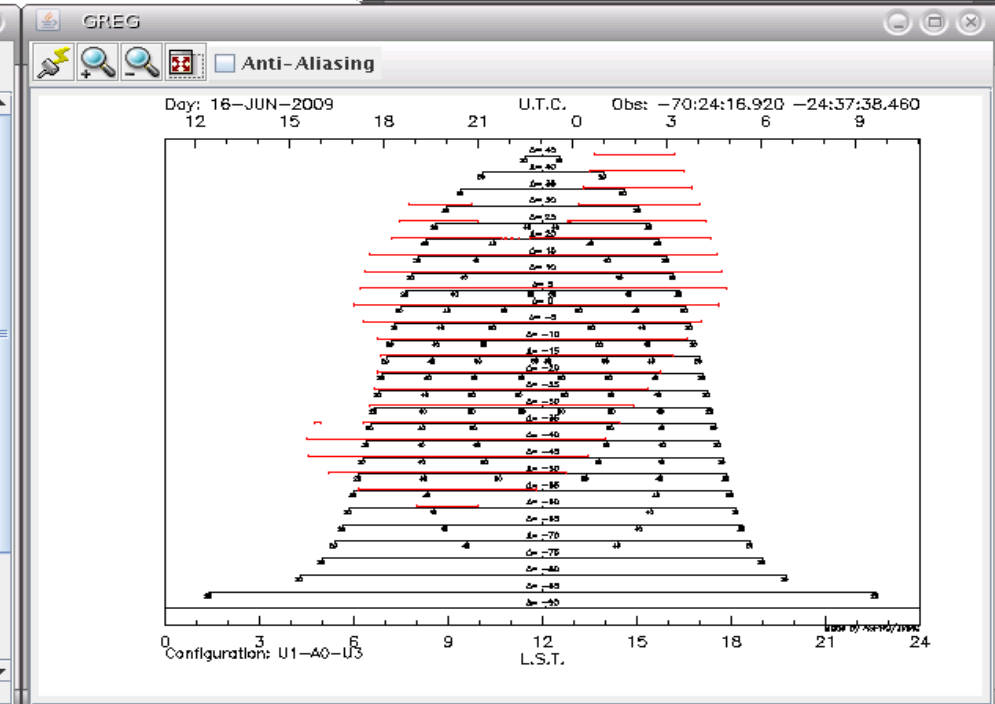


1) Etude de l'existant

The screenshot shows the JMMC ASPRO website in a browser window. The website header includes the JMMC logo and the text "JEAN-MARIE MARIOTTI CENTER Infrared and Optical Interferometry for Astronomy". A navigation menu is visible on the left. The main content area features the ASPRO title and a "subscribe to Aspro feed" button. A "JAVA XMLBased GUI" dialog box is overlaid on the page, with a blue oval highlighting the text "Java web start" and an arrow pointing to the "aspr WebStart" logo. The dialog box contains a menu with options: EXIT, ASPRO, WHEN, WHERE, WHAT, OBSERVABILITY/COVERAGE, MODEL/FIT, OTHER, and buttons for "Help" and "Log".

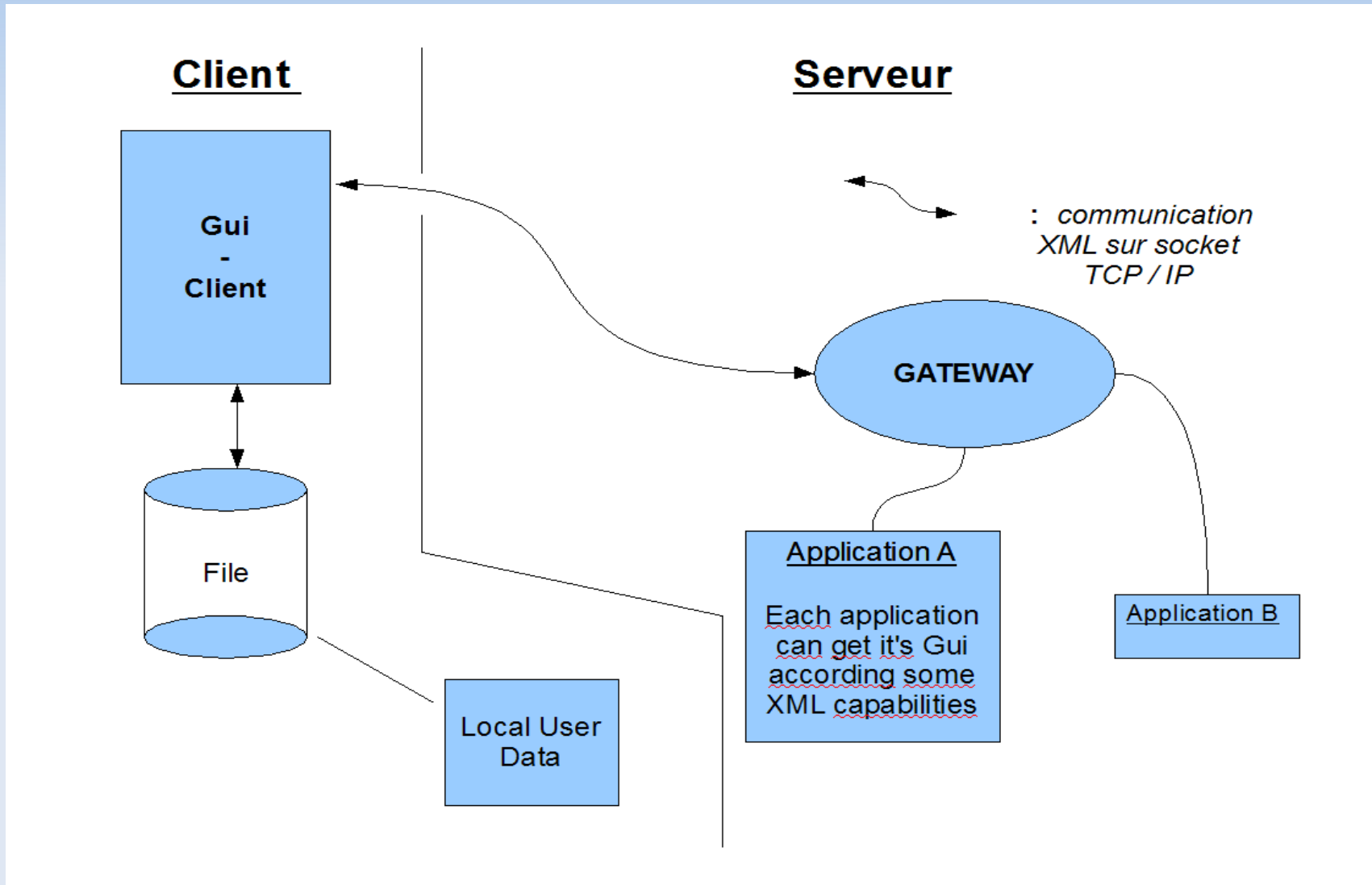
The screenshot shows a "Start... ?" dialog box with "User Account" and "File Management" tabs. A red message states "Authentication is made on apps.jmmc.fr". A checkbox is checked for "Start application using my account informations". The "Login:" field contains "samuel.prette@obs.ujf-grenoble.fr" and the "Password:" field is masked with dots. There are "Login" and "Logout" buttons, and a "Remember password" checkbox. At the bottom, there is a path "rd stored into your property file[\\home/sprette/JavaGui.cfg]." and an "EXIT" button.

The screenshot shows the "UV COVERAGE" application window. It has a "Close" and "Help" button. Below are four buttons: "CHANGE CATALOG", "CHANGE INTERFEROMETER", "VIEW CATALOG", and "VIEW VLT3T Station". The "Plot for Object:" field is set to "ETA_TAU" and "Wavelength (microns)" is set to "1". A yellow bar contains the text "Push to validate Entries" and "PLOT UV COVERAGE". Below this are several input fields for telescope names (U1, A0, U3) and plot parameters like "Hour Angle Start", "Hour Angle End", "Min. Elev. to Plot", "Max. Elev. to Plot", "U-V range to plot", "U-V Integration Time (min)", "Plot Aperture size on UV Plane", "Name of the output PSF UV Table", and "This image filename...".



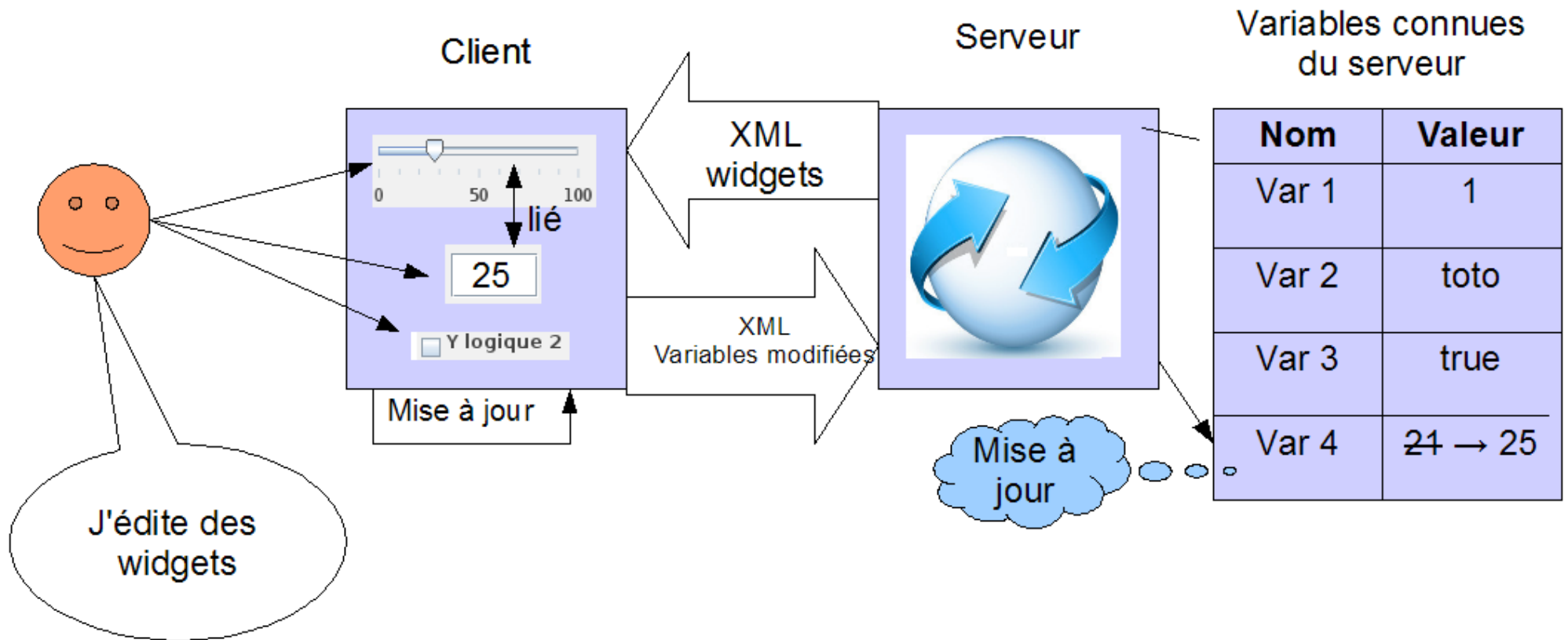
1) Etude de l'existant

Architecture ASPRO



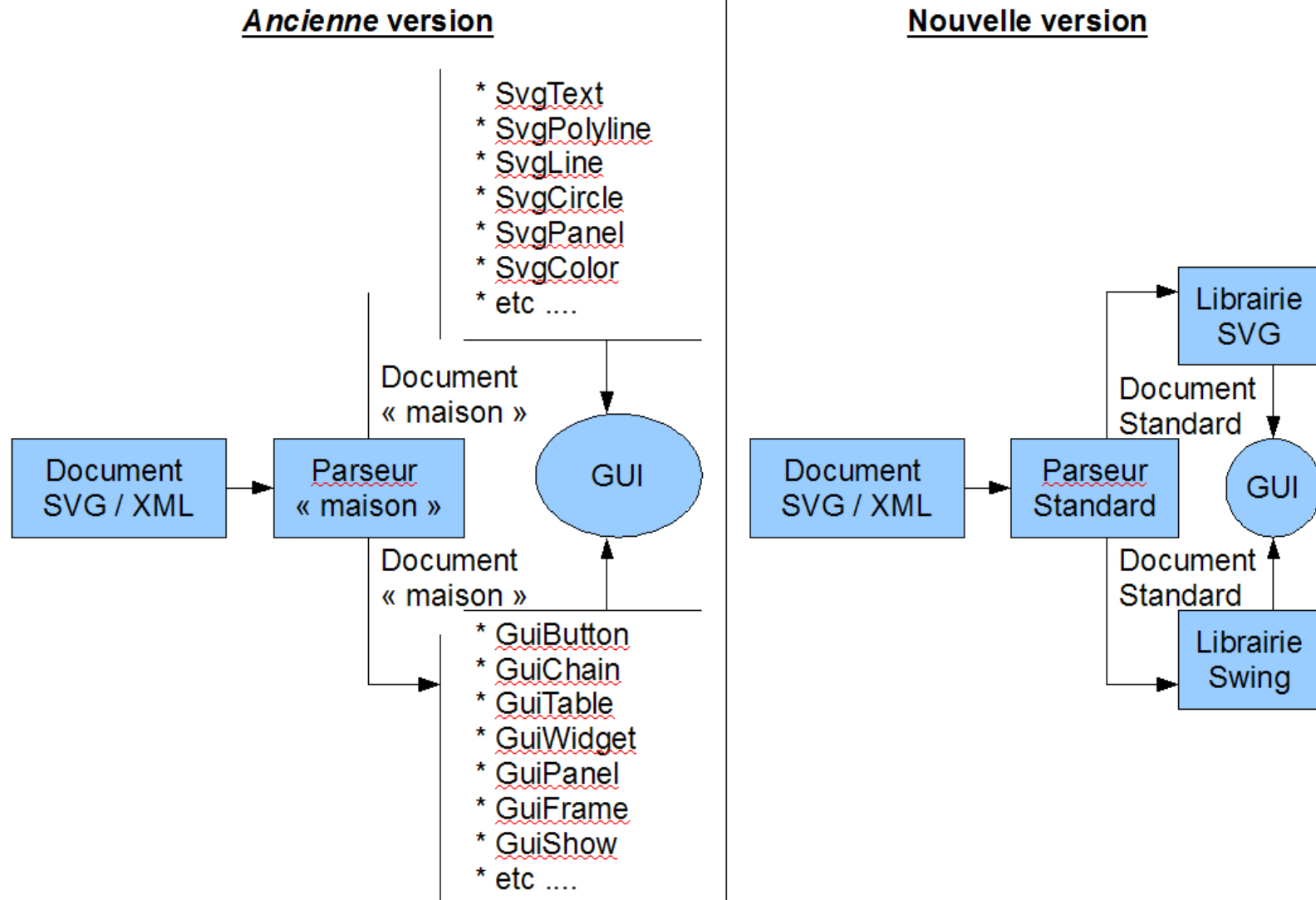
1) Etude de l'existant

Schéma de synthèse sur les variables

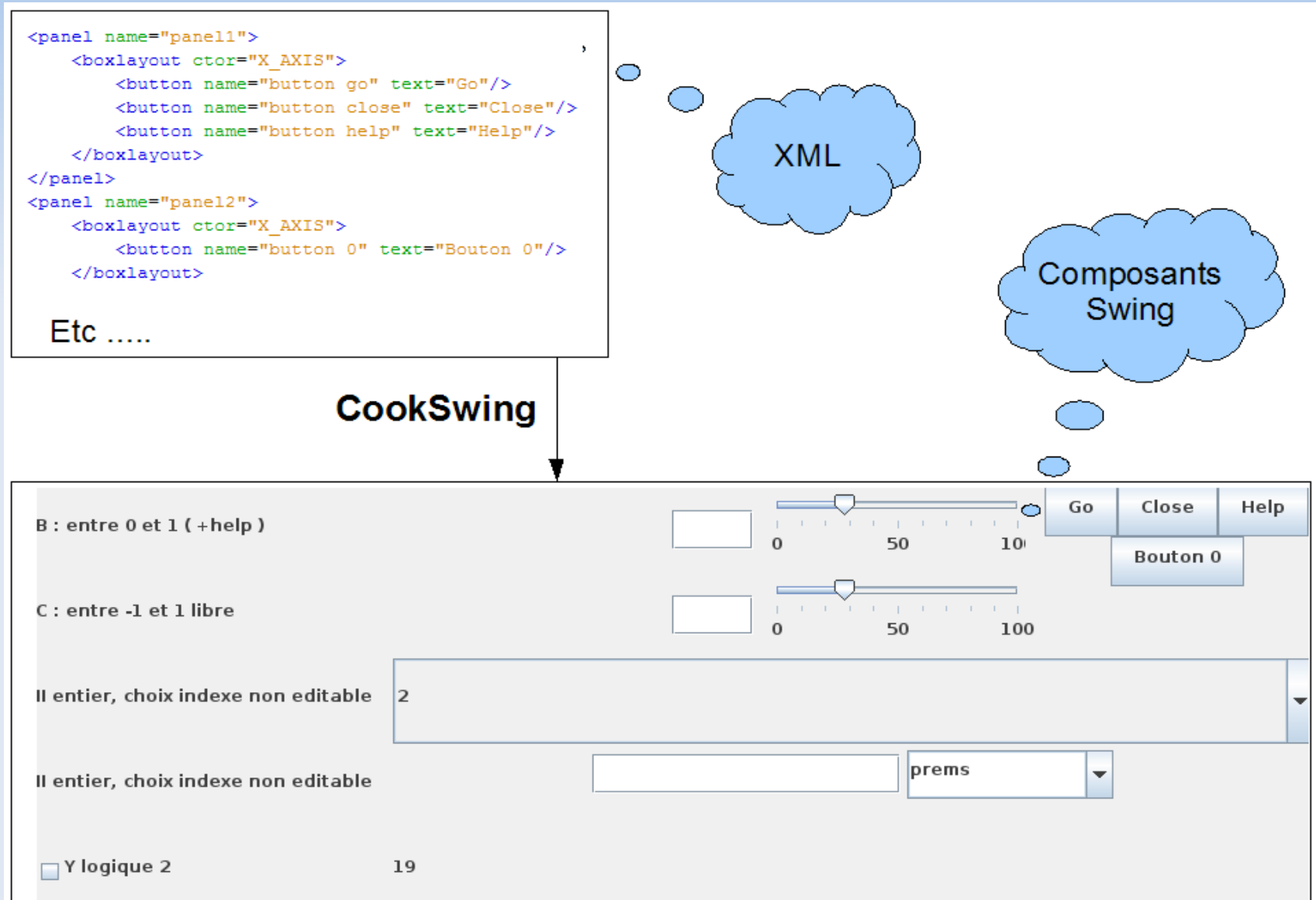


2) La recherche de bibliothèques

Pourquoi une recherche et comment ?



2) La recherche de librairies librairie Swing



2) La recherche de librairies

librairie SVG

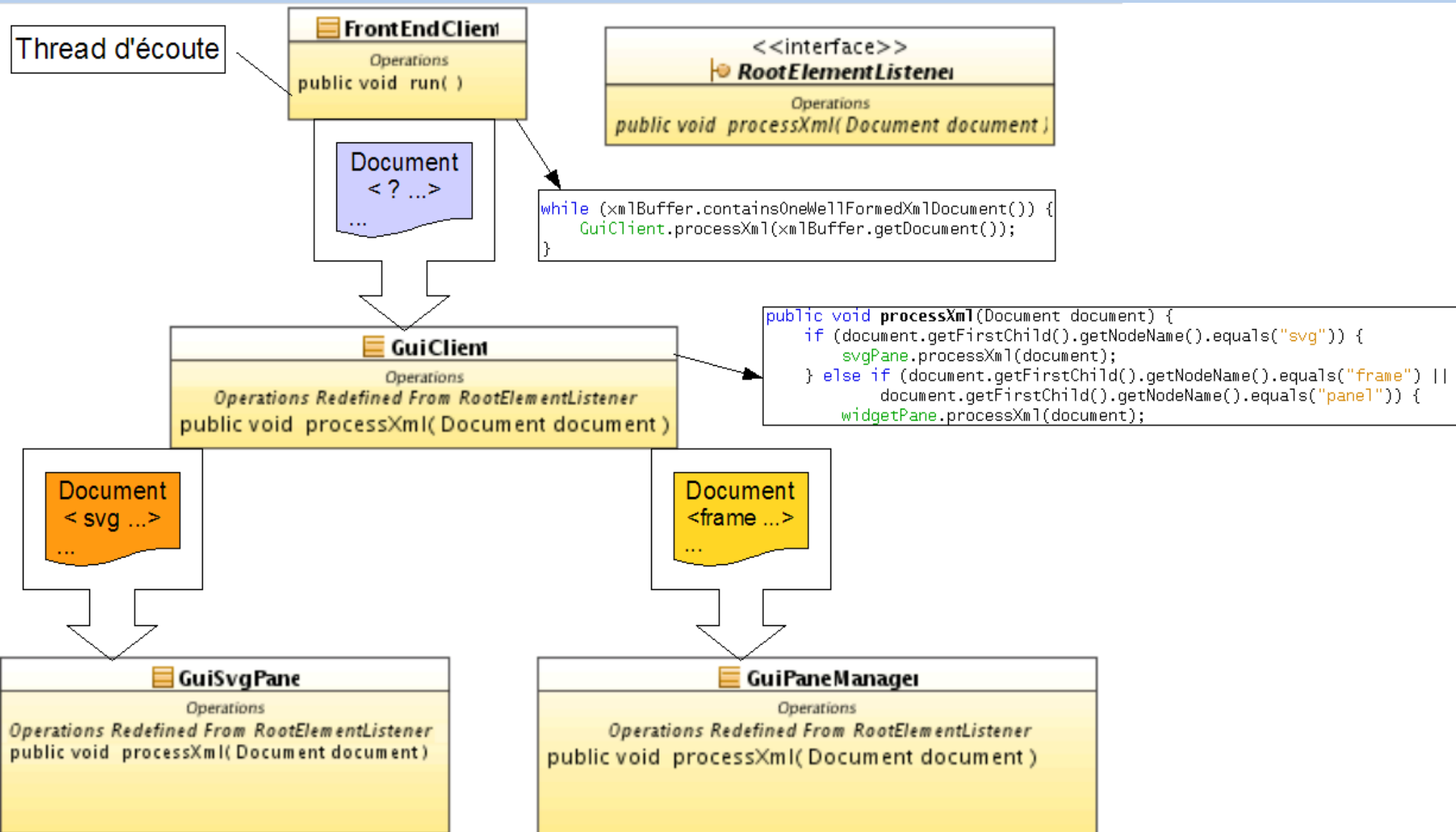
```
<rect x="3" y="5" width="30" height="20" stroke="red" fill="orange">
</rect>
<rect x="30" y="50" width="30" height="20">
</rect>
<rect x="3" y="50" width="30" height="20">
</rect>
<rect x="30" y="5" width="30" height="20">
</rect>
<rect x="100" y="5" width="300" height="20">
</rect>
<line x1="3" y1="5" x2="33" y2="25">
</line>
<circle cx="133" cy="115" r="40" stroke-width="15" stroke="pink" fill="red">
</circle>
```

BATIK



3) Implémentation des solutions techniques

Synthèse de la gestion des documents



3) Implémentation des solutions techniques

Exemples de messages XML Client → Serveur ou Serveur → Client

- Mise à jour de variables
(Serveur → Client)

```
<gui_update>  
  <var name="testupdate1" value="1" />  
  <var name="testupdate2" value="2" />  
  <var name="testupdate3" value="3" />  
  <var name="testupdate4" value="4" />  
</gui_update>
```

- Mise à jour de variables
(Client → Serveur)

```
<ascii>Test update pressed</ascii>  
<ascii> let testupdate 39</ascii>  
<ascii>Test update pressed</ascii>  
<ascii> let testupdate 50</ascii>  
<ascii>Test update pressed</ascii>
```

- Autres messages

```
<gui_log >Line 1  
Line 2  
Line 3  
Line n+1</gui_log>
```

```
<gui_status>This is the new status!</gui_status>
```

```
<gui_xmlMonitor value="true"></gui_xmlMonitor>
```