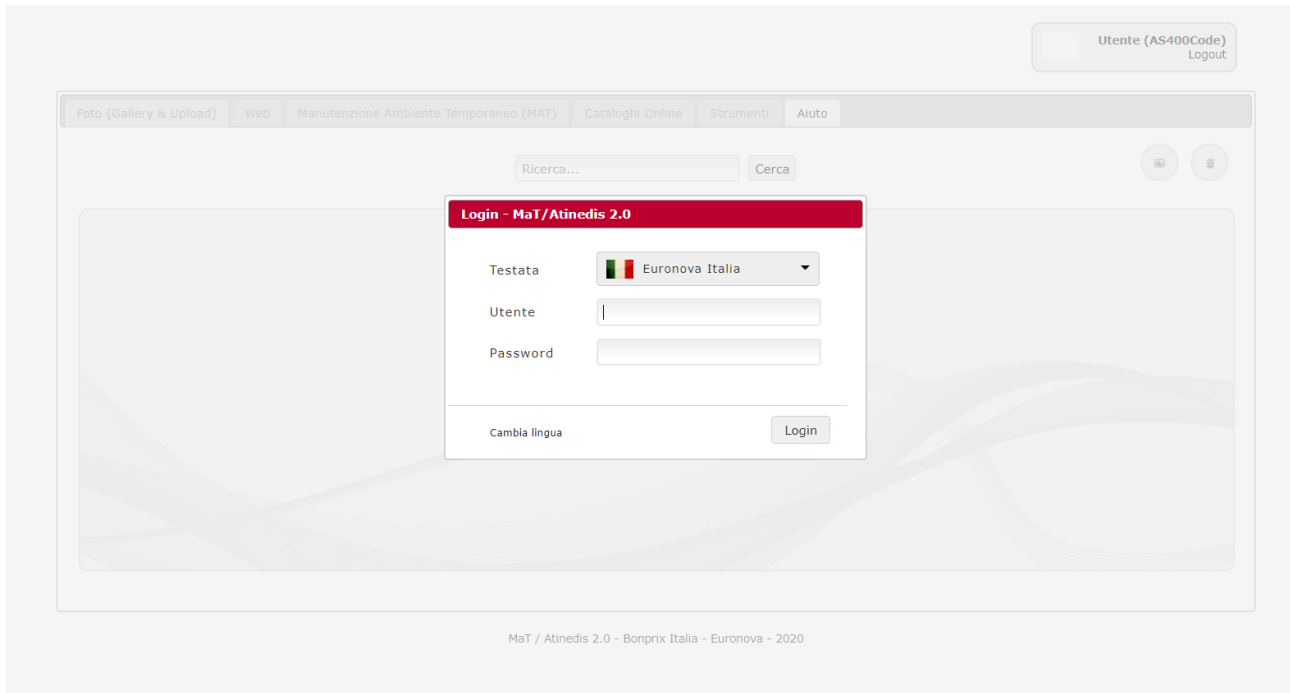**Manual for technical developers - Atinedis 2 and its sub-batches**

1. Software overview
2. Bugs/integrations details

1.   Software overview

- Developed based on Google Chrome – don't need compatibility with other browser (no cross-browser)
- Main tecnologies: HTML, CSS, JS and JAVA – w/DB integration

Front-end part

Login: we will provide to you a new username and password ready to login. The username is managed on AS400 and the privileges to enable/disable some section for each user are managed on a DB table. The webapp is reachable here http://webapp.bonprixitalia.net:8080/ATINEDIS/

You can switch language clicking "Cambia lingua"

There are 3 brands – Euronova IT, Euronova CZ and Lascana IT

This webapp is born to manage data that will be propagated to each website (or live enviroment)

Euronova IT -> https://www.euronova-italia.it

Euronova CZ -> https://www.euronova-shop.cz

Lascana IT -> https://www.lascana.it/

On DB each record is identified with BLCD and A0CD declared to:

Euronova IT -> BLCD='1' and A0CD='E'

Euronova CZ -> BLCD='1' and A0CD='C'

Lascana IT -> BLCD='4' and A0CD='1'

After login, each section has one or more implementations

1° section:

in this section you can upload and browse all images in the file system – in particular on server 192.168.1.47 /opt/tomcat/webapps/EuroCAS_local/repository

2° section:

here you can manage data of SKUs directly on DB

3° section:

all tools necessary for marketing department to evaluate relationship between categories and products

4° section:

    virtual catalogs management – example of virtual catatogue is on the website (or clicking [here](#))

5° section:
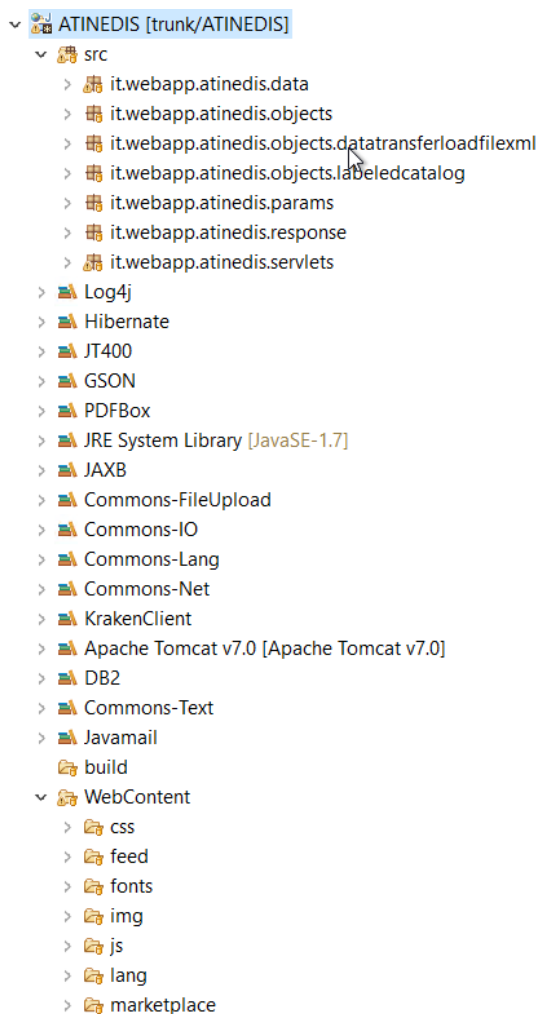
    Tools for buying department

6° section:

    Contact/Help for users

Project overview in development enviroment

Atinedis 2 is a Dynamic web Java application, developen on Eclipse Photon.

The project is versioning with SVN in this location: https://192.168.1.57/svn/WAP/trunk/ATINEDIS (as before, after registration of developer we will provide to you a SVN username and password)

- ATINEDIS [trunk/ATINEDIS]
  - src
    - it.webapp.atinedis.data
    - it.webapp.atinedis.objects
    - it.webapp.atinedis.objects.datatransferloadfilexml
    - it.webapp.atinedis.objects.labeledcatalog
    - it.webapp.atinedis.params
    - it.webapp.atinedis.response
    - it.webapp.atinedis.servlets
  - Log4j
  - Hibernate
  - JT400
  - GSON
  - PDFBox
  - JRE System Library [JavaSE-1.7]
  - JAXB
  - Commons-FileUpload
  - Commons-IO
  - Commons-Lang
  - Commons-Net
  - KrakenClient
  - Apache Tomcat v7.0 [Apache Tomcat v7.0]
  - DB2
  - Commons-Text
  - Javamail
  - build
  - WebContent
    - css
    - feed
    - fonts
    - img
    - js
    - lang
    - marketplace

Back-end part is implemented in JAVA, in folder "src"

Front-end part is implemented in HTML, JS and CSS, in folder "WebContent"

Middleware part is implemented in JAVA and JS. In particular the Java class is: src\it\webapp\atinedis\servlets\JSONCommandServlet.java

and the files JS are: WebContent\js\script.js and WebContent\js\functions.js

Middleware part

The middleware part is managed by JS and JAVA. For each actions who the user could be on the front-end, it will start a AJAX call to server side.

You may find the same declaration from JS file to JAVA file – for example:

JS section - script.js or functions.js

```
objData.user=$.session.get("user");
objData.testata=$.session.get("testata");
objData.command="RIASSEGNA_ARTICOLO_RAGGRUPPAMENTO_WEB";

msg = JSON.stringify(objData);
console.log("send:" + msg);

$.ajax({
    type: "POST",
    url: getQueryAjaxPath(),
    data: msg,
    beforeSend: function(){
        $('html').css('cursor','wait');
        $('body').css('cursor','wait');
        $('#table_web_articles').css('cursor','wait');
        $('#table_web_all_items').css('cursor','wait');
        $('#img_article').css('cursor','wait');
    },
    success: function(response){
        var json=JSON.parse(response);
```

Java section - JSONCommandServlet.java

```
            ret = checkProcedura(idLog, json, jsonMsg, request.getLocalPort
            break;

    case RIASSEGNA_ARTICOLO_RAGGRUPPAMENTO_WEB:
            ret = riassegnaArtRWeb(idLog, json, jsonMsg, request.getLocalPo
            break;

    case CARICA_CATEGORIE_PRIORITA:
```
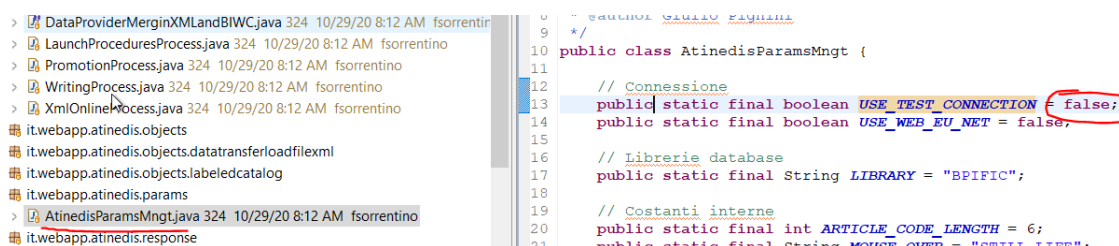
Back-end part and DB

The back-end is completely managed in JAVA with data integration to DB (DB2) by SQL. The main file is located in src\it\webapp\atinedis\data\AS400DataProvider.java

In the virtual machine we will provide to you also DBeaver to make SQL.

The files are in AS400, we have two IPs to connect JDBC. One for live enviroment and one for test enviroment. All files are declared in library BPIFIC.

In our case it's easy to setup test enviroment, editing the value to true in this location

```
 >  DataProviderMerginXMLandBIWC.java 324  10/29/20 8:12 AM  fsorrentir
 >  LaunchProceduresProcess.java 324  10/29/20 8:12 AM  fsorrentino
 >  PromotionProcess.java 324  10/29/20 8:12 AM  fsorrentino
 >  WritingProcess.java 324  10/29/20 8:12 AM  fsorrentino
 >  XmlOnlineProcess.java 324  10/29/20 8:12 AM  fsorrentino
 it.webapp.atinedis.objects
 it.webapp.atinedis.objects.datatransferloadfilexml
 it.webapp.atinedis.objects.labeledcatalog
 it.webapp.atinedis.params
 >  AtinedisParamsMngt.java 324  10/29/20 8:12 AM  fsorrentino
 it.webapp.atinedis.response
```

```
 9  */
10  public class AtinedisParamsMngt {
11
12      // Connessione
13      public static final boolean USE_TEST_CONNECTION = false;
14      public static final boolean USE_WEB_EU_NET = false;
15
16      // Librerie database
17      public static final String LIBRARY = "BPIFIC";
18
19      // Costanti interne
20      public static final int ARTICLE_CODE_LENGTH = 6;
21      public static final String MOUSE_OVER = "STILL LIFE";
```

As said before you will find a DBeaver in the virtual machines

DBeaver will have a test enviroment setted up
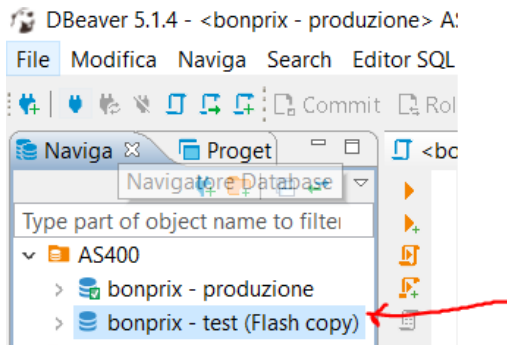
All the file that Atinedis 2 manage are with acronym BIWC. In the second part of this document, if necessary I will explain each file that you have to manage.

In the end there are some batches that manage data for Atinedis – it will be explained by Ilaria Golini (ilaria.golini@bonprixitalia.net)

2.   Bug fixing overview

Here below I list all bug/integration with technical details to implement them, for each list item:

1. Split bundles, when in enseigne E the user make "Create new web bunlde" the same action must also be done to enseigne C

MaT / Atinedis 2.0 - Bonprix Italia - Euronova - 2020

In brand Euronova IT (letter A), in the second section, after searching a product (letter B), you can split the product in two web bundles. In this example there is a AS400 bundle identified by "Raggr. AS400: 0305190" and there is a web bundle identified by "Gruppo web: 0305190 1"
Cliccking with right button on SKU (letter C), it shows a submenu, the action is the second one.

When a user do this action must be propagated also for brand C. In this case we need two operation/implementation:
   a. When a user do this action in other brand must be shown an alert message who descript that this action could be done just in Euronova IT brand – the message could be setted in JSON files localized in the project (e.g. WebContent\lang\it-IT.json) – the translation could be done with Google Translator.
   b. When a user do this action in Euronova IT in the Java section I have to do the same stuff also with parameters of branc Euronova CZ. For example if I do an UPDATE with BLCD='1' and A0CD='E' i have to do the same update also for record with BLCD='1' and A0CD='C'

2. Web attributes, when in enseigne E they insert/edit or delete a CODIFIED web attribute, it must also be propagated on enseigne C (following the translation of the BIWCCWFP file)

In brand Euronova IT (letter A), in the second section, after searching a product (letter B), you can show all web attributes cliccking on "Modifica" in the row of SKU (letter C)
Afterwards you edit, delete existing web attributes (letter D) or adding a new web attributes (E).
If you add a new web attribute, to confirm the operation you have to click on "Salva attributi web" (letter F).

There are two kind of web attributes CODIFIED and FREE. Every relationship betweeb article and web attribute is declared in the table BIWCAWFP – the codified attributes for each article are declared in the table BIWCCAFP, meanwhile the free attributes for each article are declared in the table BIWCLAFP.

For example:

In this case we have 5 web attributes – in the screenshot before you can see the first column which it's equal to see the screenshot here below on DB:

```sql
SELECT * FROM BIWCAWFP WHERE WCBLCD='1' AND WCA0CD='E' AND WCKCCD='530519'
```

WCBLCD	WCA0CD	WCKCCD	WCCATT	WCCVAT	WCCLVA
1	E	530519	COL	AZZURRO	
1	E	530519	MIS	MATRIMONIALE	
1	E	530519	INF		1
1	E	530519	CUR	SILAVATRICE	
1	E	530519	MAT	PUROCOTONE	

4 attributes are CODIFIED

```sql
SELECT * FROM BIWCCAFP WHERE WCBLCD='1' AND WCA0CD='E' AND WCKCCD='530519'
```

WCBLCD	WCA0CD	WCKCCD	WCCATT	WCCVAT	WCLING	WCTEST
1	E	530519	COL	AZZURRO	ITA	Azzurro
1	E	530519	MIS	MATRIMONIALE	ITA	Matrimoniale
1	E	530519	CUR	SILAVATRICE	ITA	Lavabile in lavatrice fino a 40°C
1	E	530519	MAT	PUROCOTONE	ITA	100% Cotone

1 attribute is FREE

```sql
SELECT * FROM BIWCLAFP WHERE WCBLCD='1' AND WCA0CD='E' AND WCKCCD='530519'
```

WCBLCD	WCA0CD	WCKCCD	WCCATT	WCCLVA	WCLING	WCTEST
1	E	530519	INF	1	ITA	Made in italy

The request is for CODIFIED web attributes.
When in brand Euronova IT you add/edit or delete a CODIFIED web attribute, you have to insert in the same tables, the same record also for Euronova CZ – but before to insert or update the record in BIWCCAFP we have to convert the field WCTEST from Italian to Czech – you can find the translation in the table BIWCCWFP

|						
1	E	COL	VERDE	ITA	Verde	
1	E	COL	VIOLA	ITA	Viola	
1	E	COL	LIBERO	ITA	Libero	
1	C	COL	LIBERO	CZE	Volná	
1	C	COL	ARANCIONE	CZE	Oranĺová	
1	C	COL	AZZURRO	CZE	Azurová	

In order to manage correctly description and UTF-8 character – when you read and write a description from/to DB you have to use BPIFormat – it's a implemented method where you pass as first parameter the description, while the second parameter still remain equal everytime).

```
CCSIDManagement.convertFromBPIFormat(description,
CCSIDManagement.getCCSID(testata)));
```

If you read convertFromBPIFormat
If you insert or update convertToBPIFormat

3. Mobile virtual catalog, for all enseigne when uploading a file in the virtual catalogs section, also create the mobile version_ (800px x 951px). Also check if it creates the 253px x 350px version
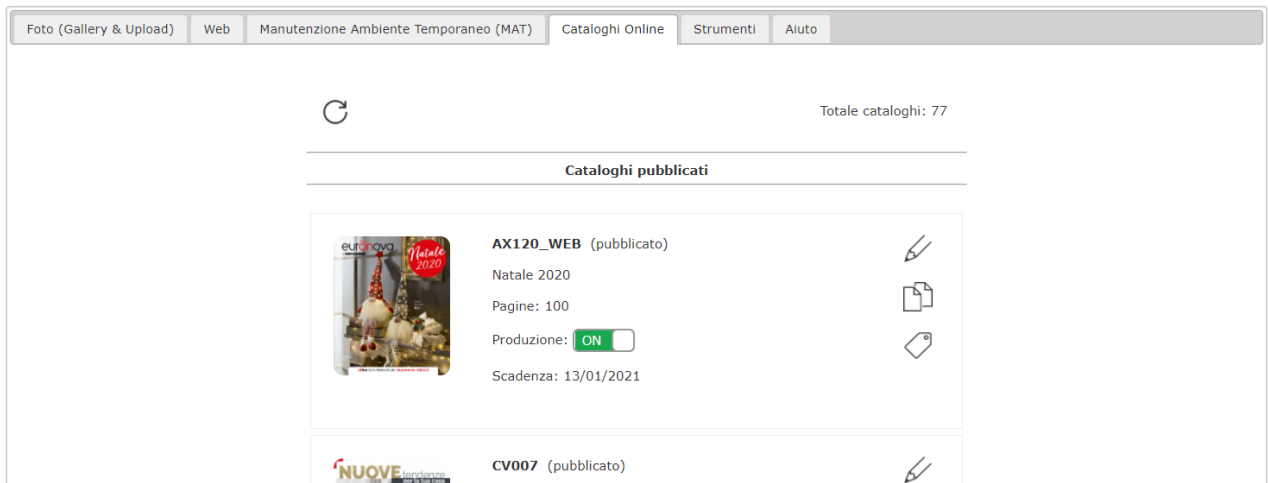
In the fourth section, for Euronova IT and Euronova CZ you can manage all virtual catalogs. Scrolling down the screen – there are all unpublished virtual catalogs – as shown in the screenshot below:
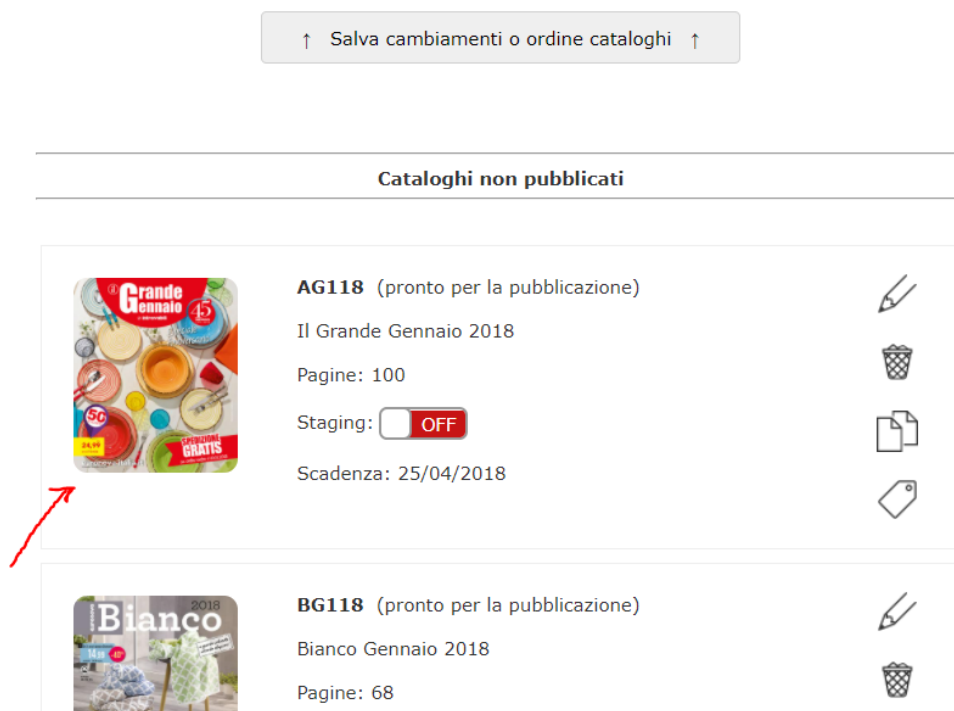
Clicking on the image or in the pencil on the right, it is possible to modify the data related to each catalog (if the catalog is unpublished).

Afterward, you display each detail (also each page) of the virtual catalog selected.

Inside each page, there is a form to upload the image file of catalog:

When you upload a new image (in the previous screenshot, when you upload the image for the page 1), it will start a servlet named FilePageVirtualeUploadHandler located in src\it\webapp\atinedis\servlets\FilePageVirtualeUploadHandler.java

When you upload a new file, in the file system are create more files resized.

Follow up the request: when you upload a new file image for catalog, we would like to create a new resizing file with resolution 800px X 951px and the name of file in the file system must have the acronym "mobile_" putted before the real name. As second operation: check if in the resizing

resolution there is also the resolution of 253px X 350px, if not we would like to create it (with acronym 253x350_ putted before the real name).

4. Abandoned carts, for both enseigne when saving data must read and write with the BPIFormat conversion class

In the third section and its "Carrelli abbandonati" subsection (last but one section) when you do "Salva" (save) for each brand (Euronova IT and Euronova CZ) we have to take the description and use the BPIFormat described in the second list item of this bug/integration list
The description in this example shown in the previous screenshot is "Tessile casa", "Cucina", "Idee in più" and "Arredo casa".

5. Tools tab, check categories on db WCS

In the fifth section, it is possible to select a category and check all the articles published in a category.
Selecting the category is shown a list with all articles.
We would like to retrieve this list from this new query:

For Euronova IT

```sql
SELECT CONCAT(CONCAT(SUBSTR(IS_ITEM, 1, 6),';'),IS_SIZE)
FROM ((SELECT IS_ITEM, IS_SIZE FROM DCIS WHERE IS_BLCD = '1' and IS_A0CD = 'E' AND IS_AEDT =
0)
INNER JOIN (SELECT * FROM ((SELECT II_ITEM, II_BUNDLE FROM DCII WHERE II_BLCD = '1' and
II_A0CD = 'E' AND  II_AEDT = 0)
INNER JOIN (SELECT ID_BUNDLE FROM DCID WHERE ID_BLCD = '1' and ID_A0CD = 'E' AND ID_AEDT = 0
AND ID_CATE = 'INSERT HERE THE CATEGORY CODE') ON II_BUNDLE = ID_BUNDLE)
WHERE II_BUNDLE IN (SELECT SUBSTR(WIELCEDO, 1, 11) FROM bpific1e.WIEEWZCEDO WHERE
SUBSTR(WIELCEDO, 24, 1) = '1')) ON IS_ITEM = II_ITEM)
```

For Euronova CZ

```sql
SELECT CONCAT(CONCAT(SUBSTR(IS_ITEM, 1, 6),';'),IS_SIZE)
FROM ((SELECT IS_ITEM, IS_SIZE FROM DCIS WHERE IS_BLCD = '1' and IS_A0CD = 'C' AND IS_AEDT =
0)
INNER JOIN (SELECT * FROM ((SELECT II_ITEM FROM DCII WHERE II_BLCD = '1' and II_A0CD = 'C'
AND  II_AEDT = 0)
INNER JOIN (SELECT ID_BUNDLE FROM DCID WHERE ID_BLCD = '1' and ID_A0CD = 'C' AND ID_AEDT = 0
AND ID_CATE = 'INSERT HERE THE CATEGORY CODE') ON II_BUNDLE = ID_BUNDLE)
WHERE II_BUNDLE IN (SELECT SUBSTR(WIELCEDO, 1, 11) FROM bpific1e.WIECWZCEDO WHERE
SUBSTR(WIELCEDO, 24, 1) = '1')) ON IS_ITEM = II_ITEM)
```

6. Change the euro symbol in the MAT - after an XML file is loaded
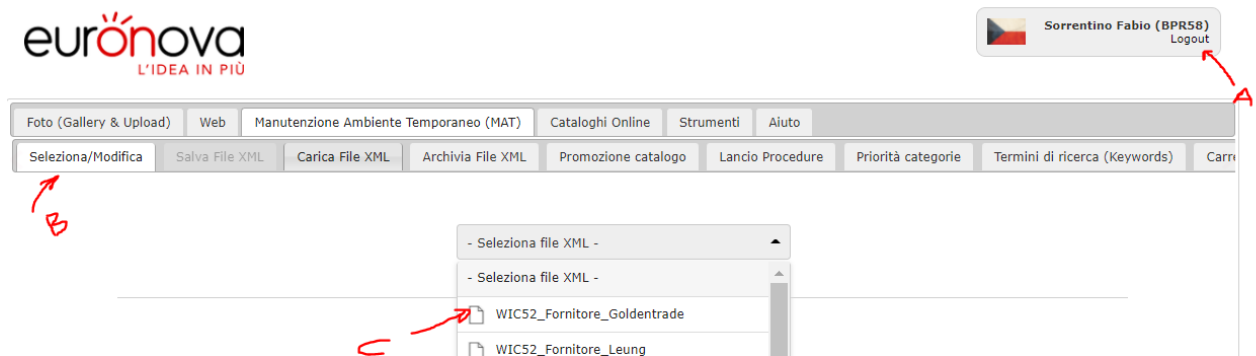
In brand Euronova CZ (letter A), in the third section, in the first subsection (letter B), you can list all file xml to load. Selecting one file cliccking on it (letter C) in order to load it as shown in the screenshot below.


Afterwards for Euronova CZ we have to put Kc (Kč) instead of euro currency symbol.

7. Mouse hover bug on deletion on enseigne C (does not delete it from BIWCLAFP)
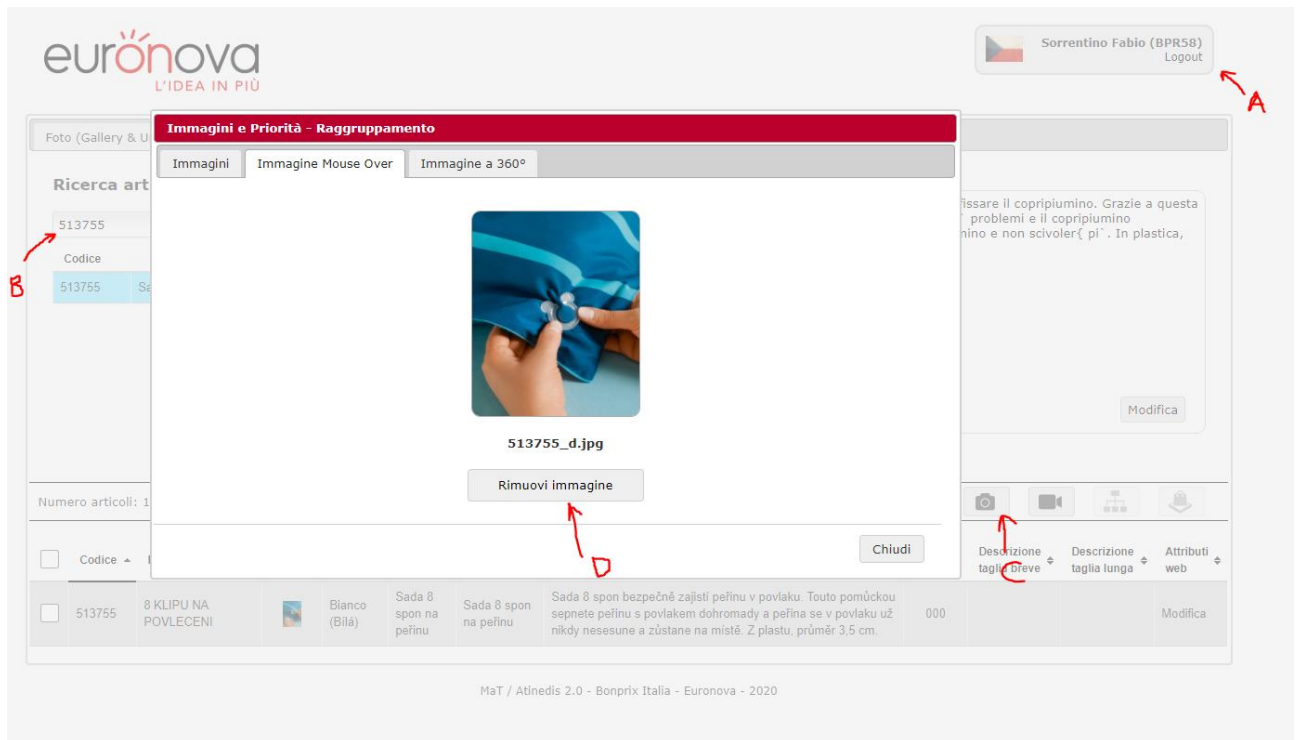
In brand Euronova CZ (letter A), in the second section, after searching an article (letter B), for example you can use 513755 to test it, entering in mousehover section management (letter C) the action to the button "Rimuovi immagine" (letter D) it doesn't work properly for this brand. You can follow the right code from Euronova IT where it works correctly.

8. Archive CZ files bug fix
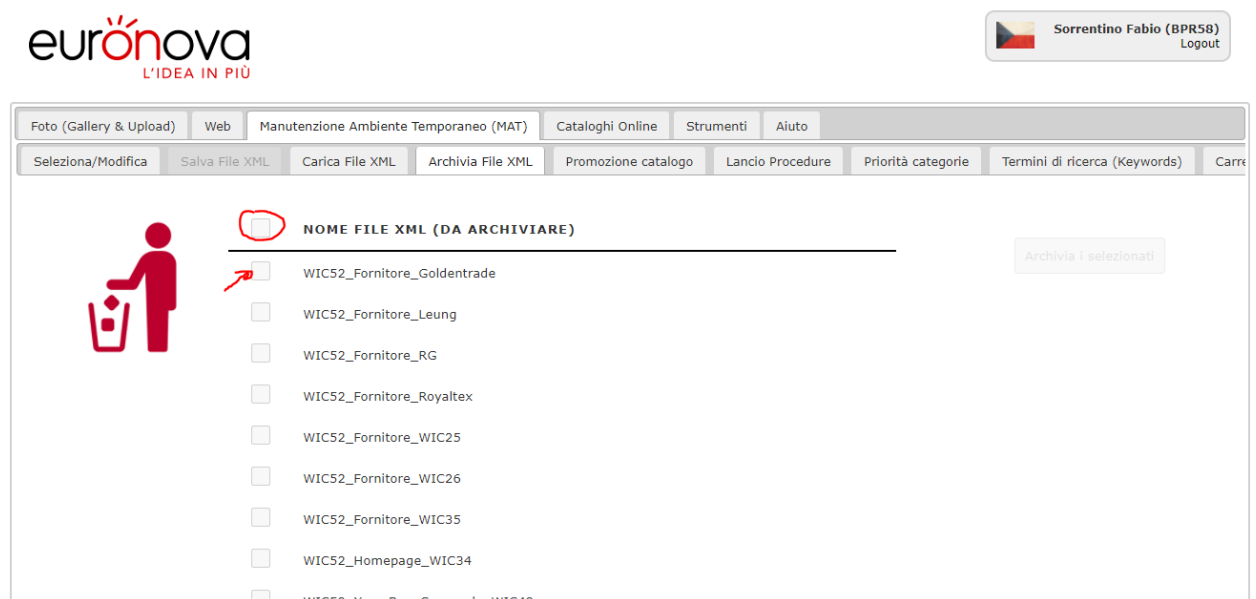
In brand Euronova CZ, in the third section, in the fourth subsection ("Archivia File XML"), these checkboxes are disabled. They works correctly in Euronova IT.