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## User Manual – Query Module

**“Framework contract for the provision of forest data and services in  
support to the European Forest Data Centre”  
Reference: 2007/ S 194-235358 of 09/10/2007**

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# 1 Introduction

This document describes the use of the query module of the E-forest web site.

A temporary demonstration user has been created in order to allow the JRC members to test the web site before acceptance and before the consortium members send some real data.

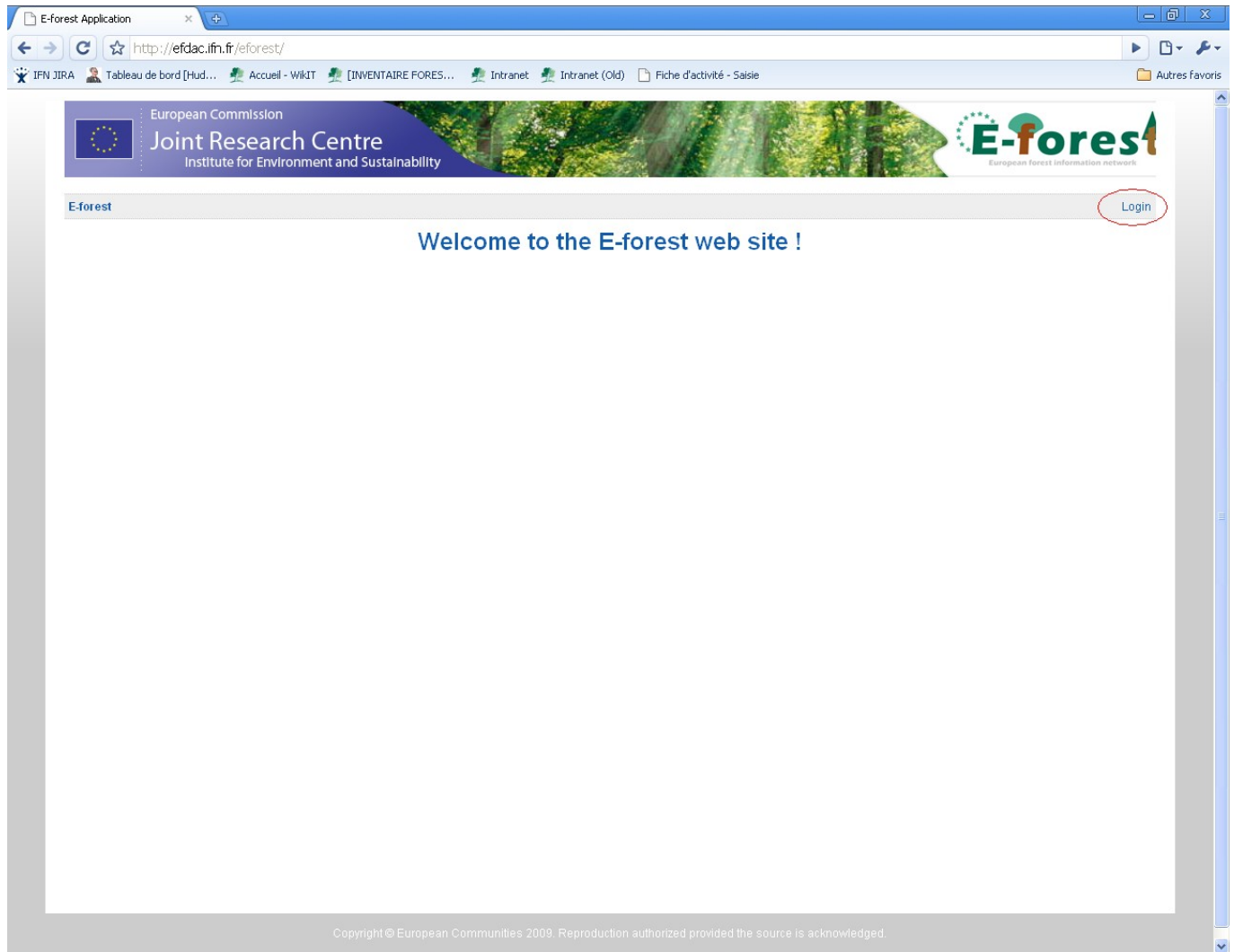
Some test data (extracted from the Biosoil Biodiversity database) have been inserted in the database with the importation module.

In order to connect on the web site, you must go to the following address: <http://efdac.ifn.fr/eforest/> and click on the login link on the upper right corner of the page.

The demonstration user is the following:

Login : JRCTest

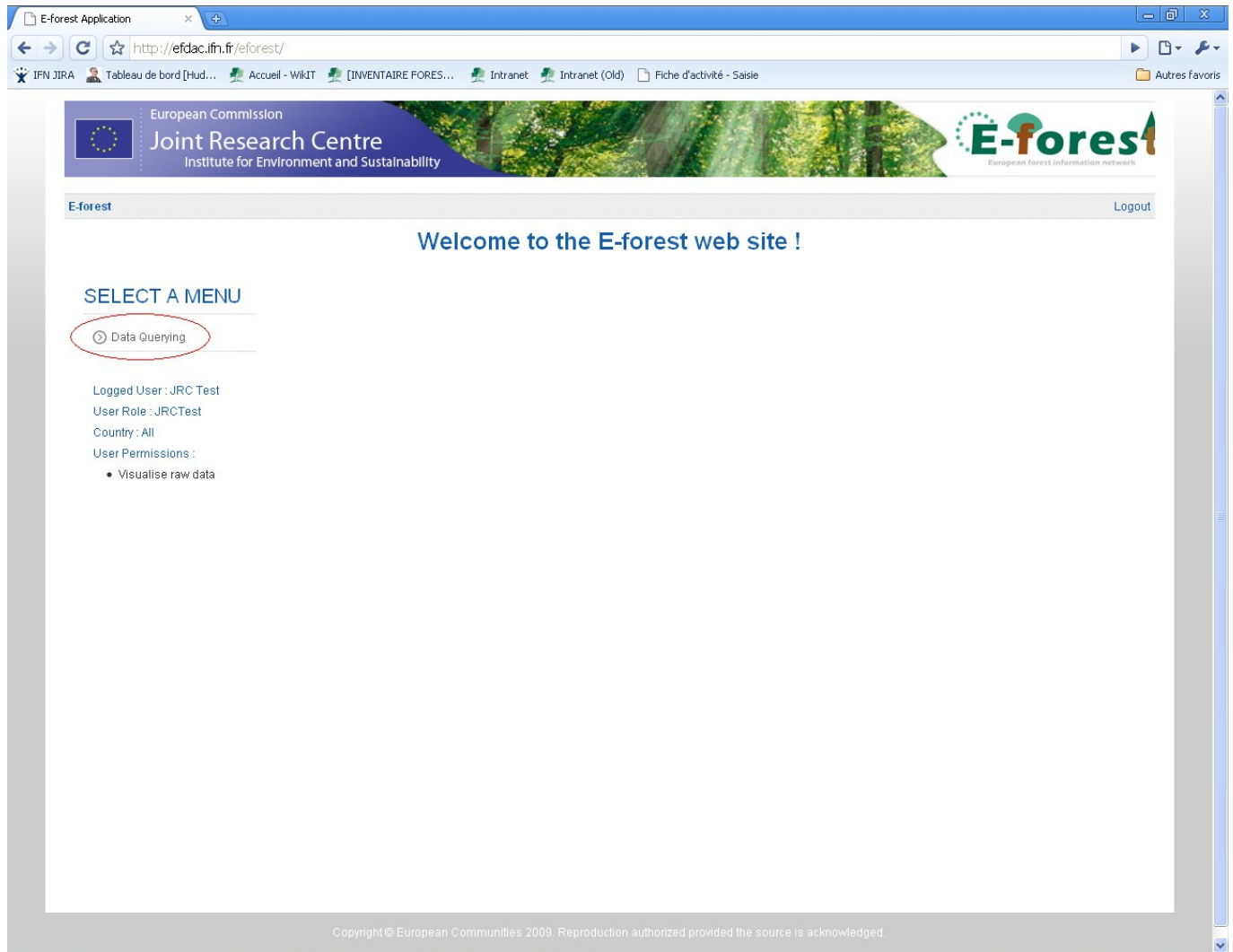
Password : sETk8hB



## 2 Welcome page

The welcome page of the web site allows you to access the different modules.

With the JRCTest user, the only available option is to go to the query module. Click on the link.



### 3 The Query module

The query module is decomposed liked this:

- On the left, we find the “Query Panel” which is used to compose the query.
  - Inside the query panel, we find a list of JRC Request.
  - For a given JRC Request, we find a list of Forms.
- On the centre of the page we find the result of our query. There is two tabs :
  - The Map view shows the map of Europe with the location of the plots
  - The Grid result view shows the values resulting from the request.

The screenshot displays the E-forest Query Data interface. At the top, there is a header with the European Commission logo, the text "European Commission Joint Research Centre Institute for Environment and Sustainability", and the E-forest logo with the tagline "European forest information network". Below the header, the page title "E-forest > Query Data" is visible on the left, and a "Logout" link is on the right.

The main interface is divided into three main sections:

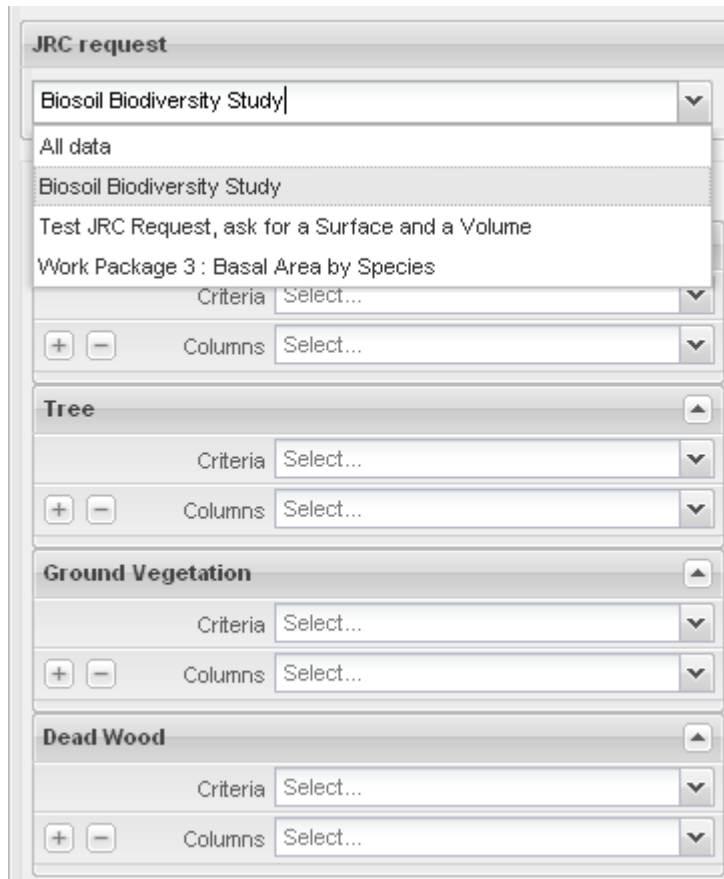
- Query Panel (Left):** This panel contains several sections for defining the query:
  - JRC request:** A dropdown menu currently set to "All data".
  - Forms Panel:** A section with five sub-sections, each with a "Criteria" dropdown and a "Columns" dropdown:
    - Plot:**
    - Species:**
    - Tree:**
    - Ground Vegetation:**
    - Dead Wood:**
  - Search:** A text input field at the bottom of the panel.
- Map View (Center):** A map of Europe showing the locations of forest plots. The map includes a compass rose and a scale bar. The scale is indicated as "Scale = 1 : 25M" with coordinates "6724772.80538, 3117112.86101".
- Layers (Right):** A panel showing the layers used in the map view:
  - ☒ Results
  - ☐ INSPIRE Grid
    - ☐ 10km x 10km
    - ☐ 100km x 100km
  - ☒ Country Boundaries
  - ☒ Forest / Non Forest

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### 3.1 Select a JRC Request

The first thing to do when using the query module is to select the JRC Request we want to work with.

In the “JRC Request” combobox, select the “Biosoil Biodiversity Study”. You will see the list of available query forms change in order to include only the tables and fields corresponding to this JRC Request.



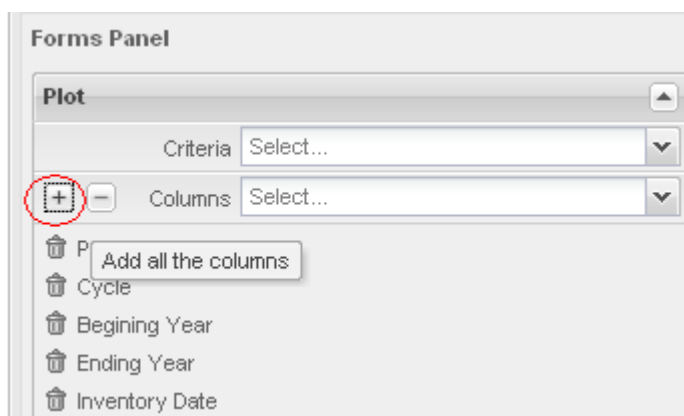
The screenshot shows a software interface titled "JRC request". At the top, there is a dropdown menu with "Biosoil Biodiversity Study" selected. Below this, a list of available query forms is displayed: "All data", "Biosoil Biodiversity Study", "Test JRC Request, ask for a Surface and a Volume", and "Work Package 3 : Basal Area by Species". Below the list, there are two rows of controls. Each row has a "+" and "-" button, a "Criteria" dropdown menu (all set to "Select..."), and a "Columns" dropdown menu (all set to "Select..."). The rows are labeled "Tree", "Ground Vegetation", and "Dead Wood".

### 3.2 Add some fields you want to display

Each of the query forms in the forms panel allow you to select some criteria and some columns.

In order to make a query in the system, you must select some columns to display.

The “+” button can be used as a shortcut to add all the columns available for a given form.




The screenshot shows a software interface titled "Forms Panel". At the top, there is a dropdown menu with "Plot" selected. Below this, there are two rows of controls. Each row has a "+" and "-" button, a "Criteria" dropdown menu (all set to "Select..."), and a "Columns" dropdown menu (all set to "Select..."). The "+" button in the first row is circled in red. Below the controls, there is a list of available columns: "P", "Cycle", "Beginning Year", "Ending Year", and "Inventory Date". A tooltip "Add all the columns" is visible over the "P" column.

### 3.3 Launching the query




Click on the **Search** button at the bottom of the query panel in order to launch the request.

The result values should appear as a grid.























European Commission  
Joint Research Centre  
Institute for Environment and Sustainability



E-forest  
European forest information network

E-forest Query Data [Logout](#)

Map Grid Result

	Plot Code	Cycle	Beginning Year	Ending Year	Inventory Date	Comment	GPS elevation	Prevalent orientation	Prevalent slope of t	Previous land-use	Origin of the act
	33	1	2006	2007	2007/05/10	tentative EFTC= 5	67.00	Flat	1.00	Forested more than	Natural regener
	39	1	2006	2007	2006/06/06	tentative EFTC= 14	18.00	Flat	0.00	No information	Natural regener
	40	1	2006	2007	2006/06/07	tentative EFTC= 12	21.00	Flat	4.00	Forested more than	Natural regener
	53	1	2006	2007	2006/09/12	tentative EFTC= 5	179.00	Flat	4.00	Forested more than	Natural regener
	95	1	2006	2007	2007/06/05	tentative EFTC= 14	465.00	Flat	4.00	Forested for 25 to 1	Mixed
	106	1	2006	2007	2007/05/03	tentative EFTC= 6	174.00	N	21.00	Forested more than	Natural regener
	125	1	2006	2007	2006/10/23	tentative EFTC= 6	97.00	W	17.00	Forested more than	Natural regener
	141	1	2006	2007	2007/06/29	tentative EFTC= 13	191.00	W	11.00	Forested for 25 to 1	Natural regener
	156	1	2006	2007	2006/10/24	tentative EFTC= 6	123.00	W	10.00	Forested more than	Natural regener
	157	1	2006	2007	2007/07/04	tentative EFTC= 14	113.00	Flat	4.00	Forested more than	Planted
	160	1	2006	2007	2007/06/26	tentative EFTC= 6	178.00	SE	13.00	Forested more than	Natural regener
	168	1	2006	2007	2006/06/06	tentative EFTC= 6	200.00	SE	4.00	Forested more than	Natural regener
	191	1	2006	2007	2006/07/05	tentative EFTC= 5	86.00	W	18.00	No information	Natural regener
	198	1	2006	2007	2006/11/08	tentative EFTC= 5	115.00	Flat	5.00	Forested more than	Natural regener
	199	1	2006	2007	2006/06/07	tentative EFTC= 5	103.00	NE	19.00	No information	Natural regener
	207	1	2006	2007	2007/07/17	tentative EFTC= 5	198.00	S	8.00	No information	Natural regener
	208	1	2006	2007	2007/07/17	tentative EFTC= 14	290.00	Flat	5.00	No information	Mixed
	234	1	2006	2007	2006/08/01	tentative EFTC= 13	139.00	Flat	1.00	No information	Natural regener
	235	1	2006	2007	2006/07/04	tentative EFTC= 5	95.00	NW	10.00	No information	Natural regener
	240	1	2006	2007	2006/11/09	tentative EFTC= 6	65.00	S	21.00	Forested more than	Natural regener

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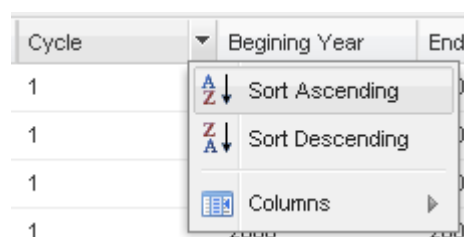
### 3.4 Pagination

The grid is limited to a maximum of 20 lines of result per page. You can navigate thru the results with the pagination tools at the bottom of the page.



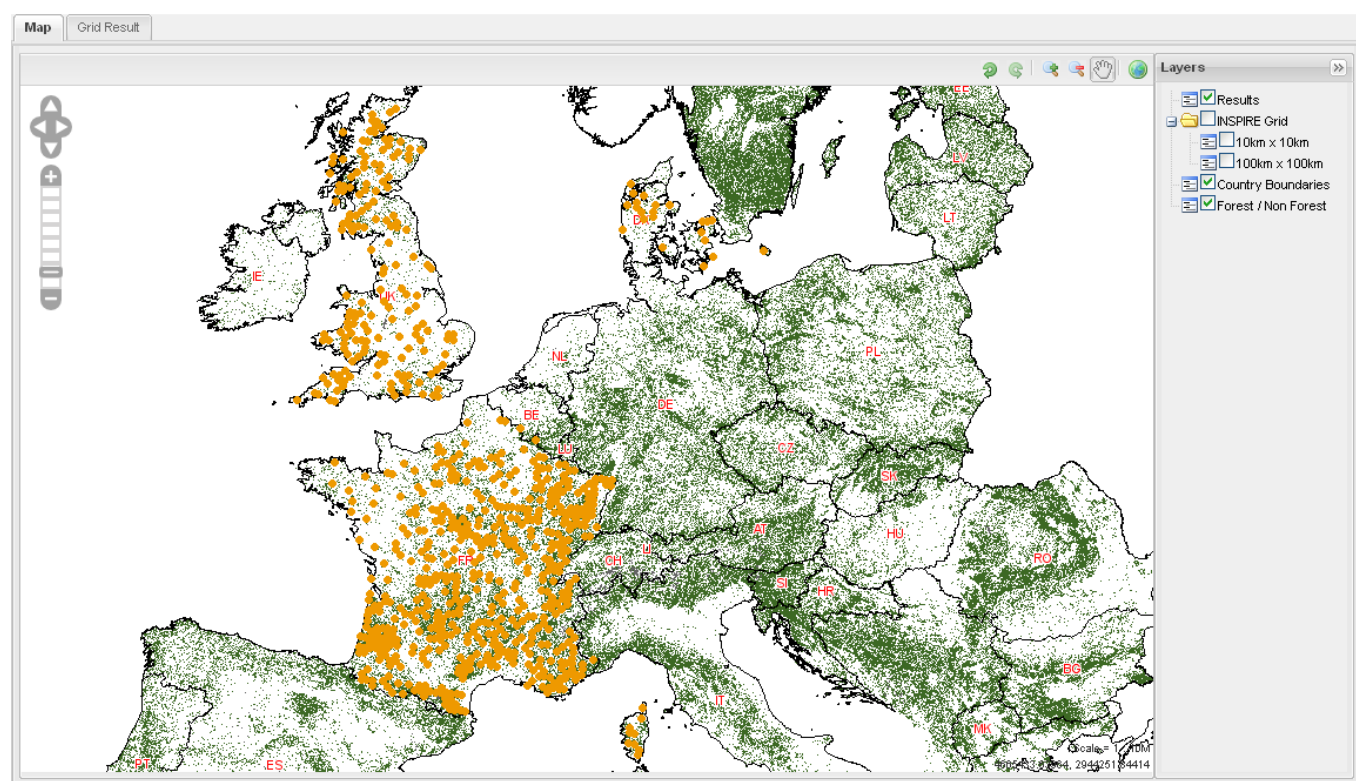
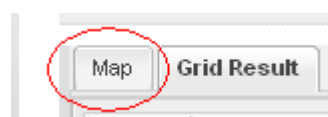
### 3.5 Sorting the result

By clicking on the header of the columns, you can change the sorting options.



### 3.6 Displaying the plots on the map

By clicking on the “Map” tab, you can access to the cartographic view that will display the selected plot on the map of Europe.

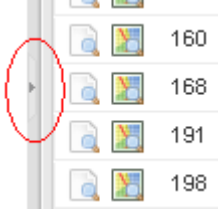


Some classical options are available on the map screen (moving the map, changing the zoom level, changing the layers, ...).



### 3.7 Changing the query

If you want to change the query, you can show the query panel, that is just hidden under the result panel, by clicking on the arrow on the left side of the screen.

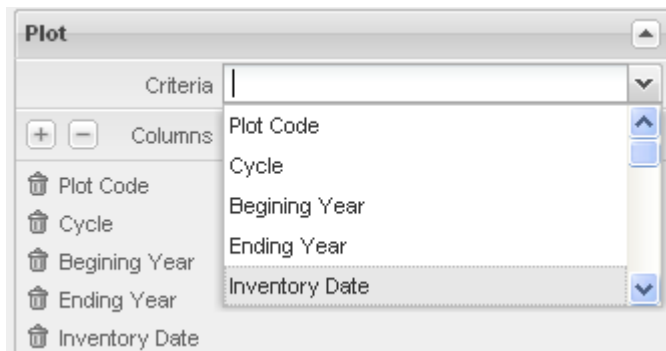


If you want to avoid the query panel from being hide, you can “pin” it using the icon on the upper right corner of the panel.



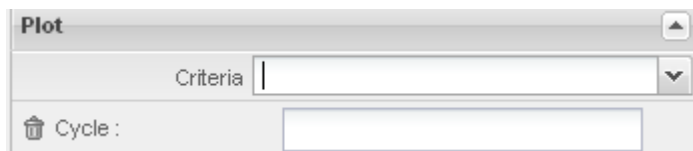
### 3.8 Adding some criteria

You can limit the results of your query by adding some criteria on each form.



Depending on the type of the data you add as a criteria, the criteria form will be different.

For a text field, you will see a simple text box. The corresponding SQL Request will do a “LIKE %”.



For a field of type “CODE”, you will see a combobox with the list of available codes.

You can add a criteria more than one time. In this case the generated SQL request will use a OR operator between each possible value.

For a date field, you will see a “DateRangePicker” component that allow you to select a date or a range of dates.

If you click on the “Start Date ...” button, you will have to select the date corresponding to the begin of your search.  
 If you click on the “... End Date” button, you will have to select the date corresponding to the end of your search.  
 If you click on the “Range Date ...” button, you will have to select both dates.

**Example :**

This combination of criteria will generate the following condition :  
 WHERE (LAND\_USE = '1' OR LAND\_USE = '2') AND (INV\_DATE >= 2007/01/01)