

Draft Manual FORECASTER River restoration wiki

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1 General outline of the tool

FORECASTER

Facilitating the application of **Output** from **RE**search and **CA**se **ST**udies on **Ecological R**esponses to hydro-morphological degradation and rehabilitation

1.1 Who are potential users?

The tool is meant to guide practitioners to information of ongoing and finished restoration¹ projects. Basically the users are the water or river managers, but this can be regarded in a broad sense. Next to river authorities also other actors in the field are potential users, whereas scientists are urged to share information.

The basic format is a Wiki, well-known from the wikipedia formula. The system is designed to facilitate everybody to enter information that will be available immediately to the community. The information can be added to or changed by anybody anytime.

1.2 What is the contents?

Basically, information regarding restoration case studies are the core of the FORECASTER tool. The case studies are inputted in a geographical (google maps) and a text database. The latter is a fact sheet containing base data of each case study. The combination of geographical and a fact sheet makes it possible to make various selections possible, also geographical. Additionally, each case study has his own wiki page, where the case description is found, information on evaluation results is

¹ Restoration is used as the general term, however also rehabilitation and mitigation is meant here.

inputted, documents can be downloaded, pictures seen or other (internet) links are presented.

Remember, anything relevant can be added, that's the power of wiki.

1.3 How to read this manual

In the manual, keywords for Menu items or other functions in Windows or Wiki are always given in **Bold**. If a series of clicks is required for accessing a certain menu item, the path towards it is given as **File > Save**. Meaning the user should click on menu item File and choose Save. Text you need to input is given in *italics*.

2 Adding a case study

For those who are unfamiliar on how to wiki, basic instructions are given in chapter 3. This chapter describes how to enter a case study. Remember, the tool is under construction, therefore this method can change. We will notify and update the manual accordingly.

The steps in paragraph 2.1 have to be completed only once per project. Adding information, images and documents in the wiki can be a continuous effort once the project is online.

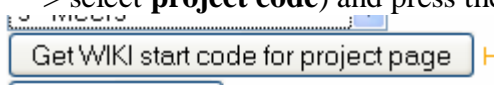
2.1 The fact sheet (google maps database)

1. Open the forecaster wiki by using the link:
<http://forecaster.ontwikkel.gisinternet.nl>
2. Go to the left menu, **Forecaster**, choose **Database & Maps** and click the link (yellow) **open the database**. The following screen will appear:

The screenshot shows the 'FORECASTER' web application interface. The header includes the title 'FORECASTER' and a subtitle 'A knowledge and information system relating hydromorphology and ecology of European rivers'. The main content area is titled 'General' and contains a form with the following fields: Project Code (set to 'New Project'), Author, Date (format *dd/mm/yyyy), Country (dropdown menu), River Name, and Site Name. Below the form is a section titled 'River typology' which includes a map of Europe with a search function and navigation tools. The left sidebar contains a navigation menu with 'Database & Maps' highlighted, a search box, and a toolbox with 'Upload file' and 'Special pages' options. The footer includes a 'Powered By MediaWiki' logo and links for 'Privacy policy', 'About Forecaster', and 'Disclaimers'.

3. Fill in the fact sheet. This will be used in the wiki and also to enable a google maps search function.
4. To indicate the location, either enter the coordinates in decimal degrees (46.62303) or double click the map and drag the indicator to the right place. Remember you can zoom and pan using the tools on the left side of the map.
5. Remember: you can tick multiple pressures and measures.

- After finishing the fact sheet, press the **Submit** button (at the end of the sheet). The project is added to the database.
- Reopen the project in the database (click **Database & Maps > open the database > select project code**) and press the button:



- In the screen that appears, press **CTRL+A** and copy all the selected text (**CTRL+C** or **right mouse button > copy**)
- Click in the **Forecaster** menu (left side of window) on menu item **Case studies**.
- The new project should be shown in the google map window. Click it and select the yellow link in **view project wikipage** in the balloon that appears.

A knowledge and information system relating hydromorphology and ecology of European rivers

page discussion view source history

Case Studies

Various representative case studies throughout Europe have been selected to highlight the effects that hydro-morphological degradation and rehabilitation initiatives may have on the ecology of different river systems.

- To access the information for each case study, click on the green arrow.
- Use the **TOC** menu to select the case studies according to River Type, Pressures and Measures.

The case studies information presented here has been compiled by the partners of **FORECASTER** thanks to the contributions of several water authorities throughout Europe.

Acknowledge sources of information...

Category: [Case studies](#)

- Now paste (**CTRL+V**) the copied code. The text of the edit screen will look like shown below:

=Schleuse Charlottenburg=

```
<googlemap version="0.9" lat="52.530138" lon="13.285711" zoom="16"
scale="yes" overview="yes" controls="large">
</googlemap>
```

```
{{forecasterTemplate
```

```

|site_name=Schleuse Charlottenburg
|river_name=Spree
|river_type_name=free meandering channel in large floodplain
|country=DE
|altitude=lowland: < 200 m
|catchmentarea=small: 10 - 100 km2
|geology=Calcareous
|latitude=52.5294
|longitude=13.2734
|natcode=BE001
|pressures=Morphological alterations<br> Management of rivers and
floodplains<br>
|measures=Working with physical form and function of river and
floodplains<br> Changes to cross section geometry<br>
|size=264
|size_unit=ha
|costs= 34555
|costs_unit= EUR
|synergy=yes
|status_name= Planned
|period= 2004
|evaluation=2
|organization=
}}

```

<Enter text here>

```
[[Category:Case_studies]]
```

12. Remember to press the button **Save page** to make the changes permanent.
13. Your empty project wiki page is now finished. Between the code and just above the `[[Category:Case_studies]]` link, indicated in the example above by **<enter text here>**. You can later enter text and more details / information on the project. See paragraph 2.2.

2.2 *Fist time case study wiki page*

Once the project wiki site is made, the editing of that page is similar to a word processor. Basic editing tasks are described in chapter 3. Remember to enter the text above the `[[Category:Case_studies]]` link.

2.3 *Adding images or documents*

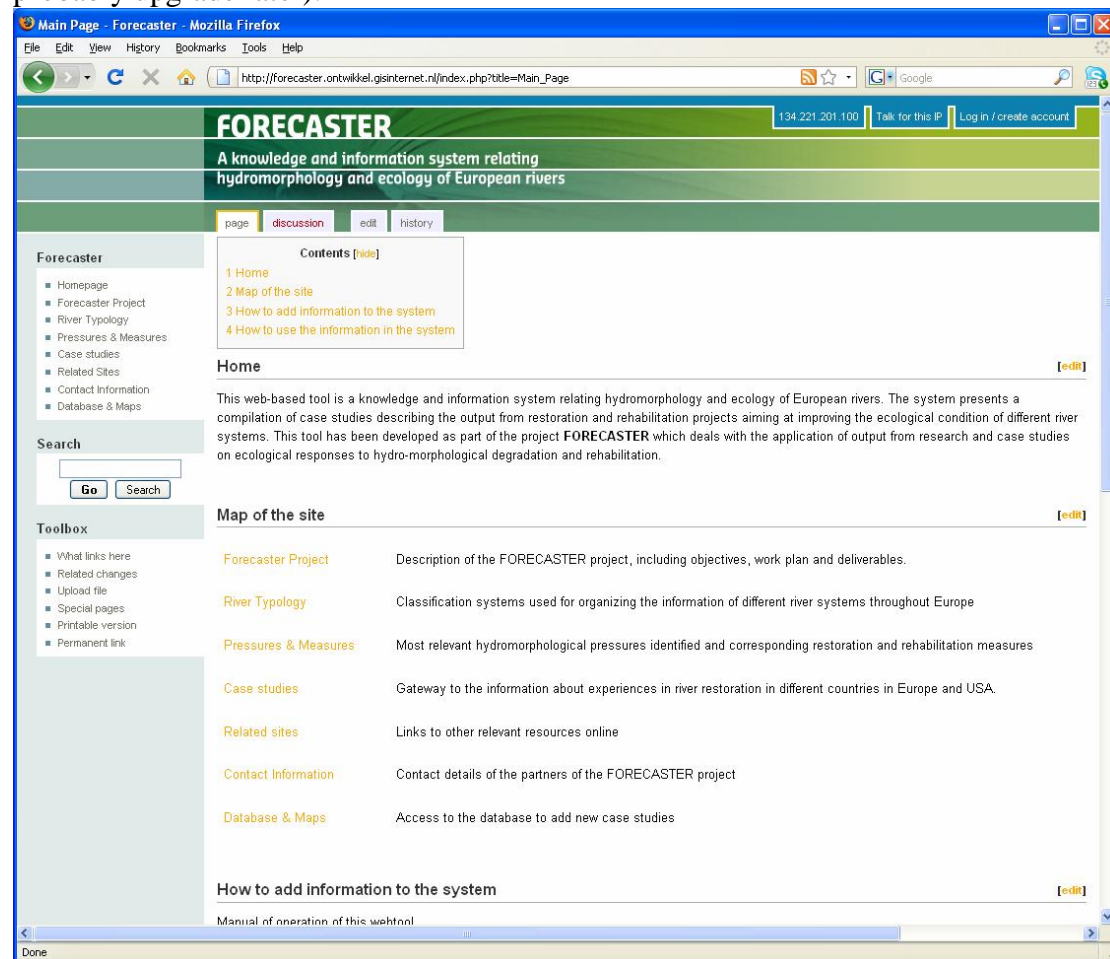
You can easily add background documents or images to your case study. Refer to paragraph 3.6 for instructions.

3 How to wiki

Below, a basic summary is given on wiki-page editing. More information can be found on the internet: http://en.wikipedia.org/wiki/How_to_edit

3.1 A wiki page

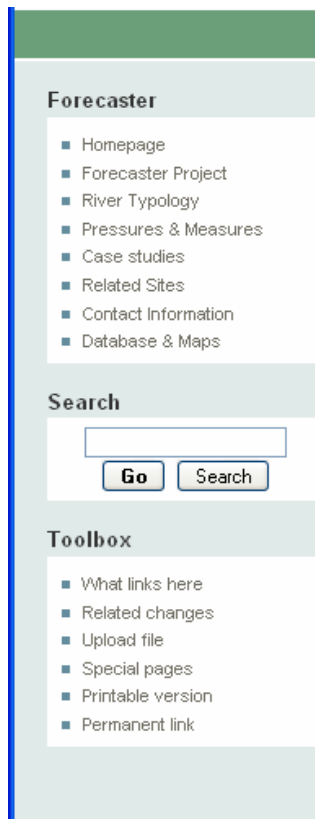
The home page of FORECASTER looks like the image below (as for now, we will probably upgrade later).



Notice that hyperlinks to pages with information are given in yellow, you can click them. Sometimes links appear in red, indicating that the page referred to is still non-existing.

3.2 Basic wiki elements

Some elements can be found on each wiki page, see image below. Especially the left hand menu under **Forecaster** shows links to parts of the contents that can't be changed by regular users; secondly the **Search** function which you can use to search for keywords of the whole wiki site and thirdly the **Toolbox** that contains important links used for updating and managing the wiki.



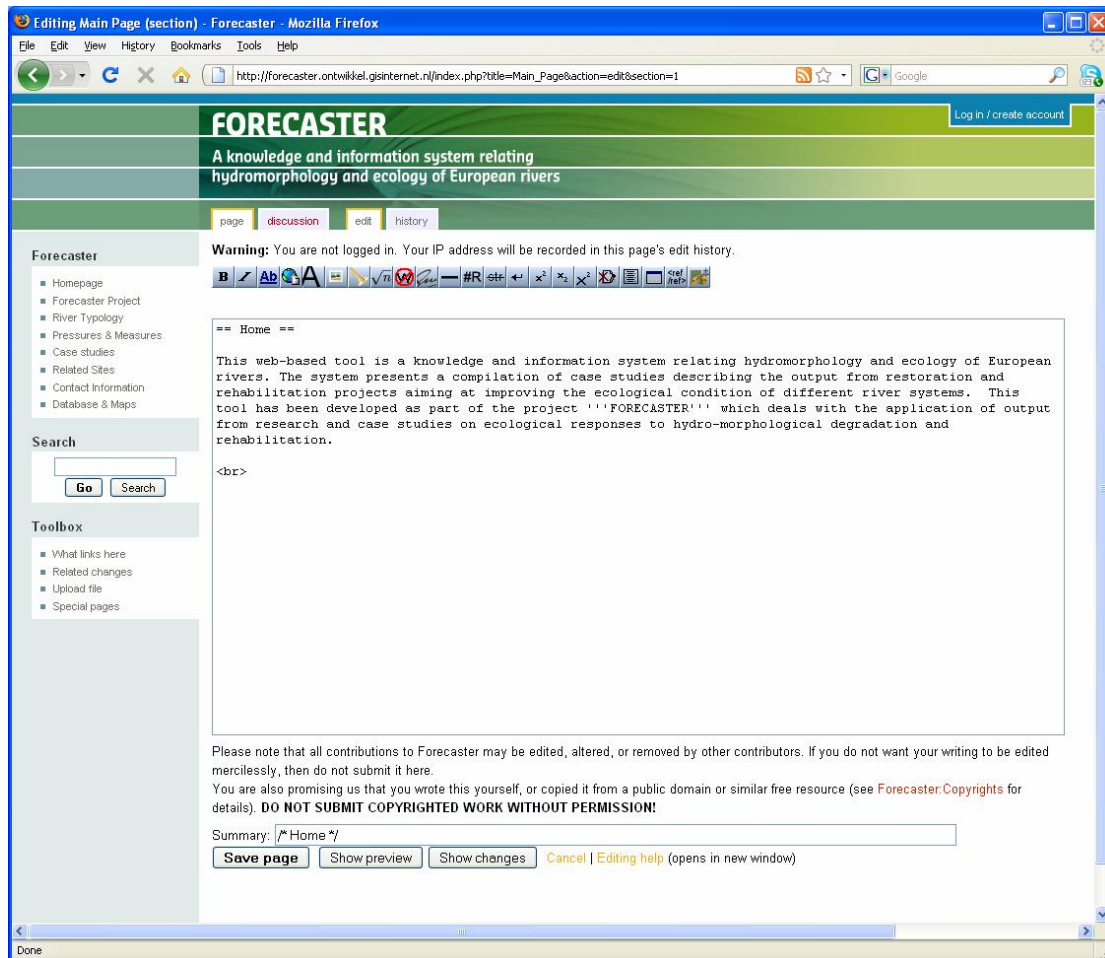
Above the wiki pages, every page always has several tabs as shown in the figure below, sometimes a few more. These tabs are related to the page you see at that moment and allow the user to interact with the page.



- The **page** tab. Pressing it gives you the contents of the page as it is stored in the wiki.
- The **discussion** tab is meant to allow the users to discuss changes made to the page, or for example to propose changes.
- The **edit** tab, most important, allows the user to edit the page.
- The **history** tab shows you the history of the changes made to the page and allows you to return to a previous version. Also if someone else made the changes!

3.3 Editing a page

Writing in a wiki is similar as to writing in a word processor. After pressing the **edit** tab, you will see this editing screen, see the figure below. You don't need to log in to make edits, your IP (computer name) will be used to log your changes.



The buttons (see below) can be used to format the text. If you hover with your mouse arrow above the button, a text will appear indicating its function.



Just remind that the writing pane is not 'what you see is what you get', meaning that you will see a so-called mark-up language after using the buttons

For example, you type the text *This is Bold* and select it. Then using the **B** button for bold type, will make your line look like this:

'''This is Bold'''

After pressing **Safe page**, you will see the end result:

This is Bold

So, in any case you want to see the end result, just press **Save page** or **Show preview**.


Just experiment with the buttons, for more information look on:

http://en.wikipedia.org/wiki/How_to_edit

3.4 Adding a page

1. First type the words used for the link, i.e. the name of the page. For example:

On the new page you can read ...

2. Then select the words *new page* and press the internal link button (). The text will change to:

On the [[new page]] you can read ...

3. After finishing your writing, press **Save page**
4. In your page a red coloured link will appear like **new page**. By pressing that link you will go to the new page. As it is empty, you will enter it in edit mode.

3.5 Using headers

Headers are a good way to structure your text. The wiki will also automatically create a contents box on the top of the page, so your readers can easily navigate the page. (Example, see the top of the home page of the FORECASTER wiki)

1. To add a header press the **Edit** tab to enter edit mode.
2. Use the = sign before and after the word to indicate the level of the header, for example:

= header level 1 =

== header level 2 ==

3. Look at the other wiki pages and choose your headers similar to the layout of the other pages. This makes the wiki internally consistent and looks better.
4. Use **Save page** to view your results.



3.6 Inserting images or documents

Uploading a file

1. First of all you have to log in to be able to upload files. Use the log in feature located at the top right of the wiki page.
2. Look for **Upload file** in the **Toolbox** are of the left screen menu items. Press it and the following screen will appear:

3. Press the Browse button and look for the files of interest on your PC. These could be images or pdf files. Word documents or powerpoints are not allowed, so please convert to pdf first.
Remember there is a maximum file size, if needed this can be changed by the wiki administrator.
4. Choose a clear Destination filename and enter it. Remember this name!
5. Enter a summary, this can help identifying the source or quickscan of the contents, especially for other users.
6. Press **Upload file**.

Inserting an uploaded image or file in your wiki page.

1. First go to your wiki page and press the edit tab, or one of the yellow edit links located on the right at every header.
2. Once in edit mode, press either the Embedded file button () for images or the File link button () for linking to pdf files. These texts can appear in editing mode:

`[[Image:Example.jpg]]` (After pressing Embedded file)

`[[Media:Example.ogg]]` (After pressing File link)

3. Now change the Example.jpg or Example.ogg to the filename you want to show or link to.
4. Press **Save page** to save the page and view the link.
5. For more options see http://en.wikipedia.org/wiki/How_to_edit#Images or http://en.wikipedia.org/wiki/How_to_edit#medialink