



## Deliverable 7.1

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## **1. Introduction**

This document describes the creation of the HBB-NEXT website. First the approach including the involvement of the various partners is described. This is followed by describing the concept and the single content categories of the site. Finally, the technical background is outlined. A user manual provided by STUBA to RBB who will administer the site is contained in the annex of the document.

## **2. Approach**

The process of creating a website for HBB-NEXT was initiated by RBB ahead of the official project start on 1st October. At the Kick-off Meeting in Potsdam on 4th of October, STUBA then presented two early design drafts for the website. STUBA's drafts were discussed thoroughly by the Project Coordination Committee during the meeting. At the end of this discussion the basic structure and content categories as well as further work steps with the assigned responsibilities were fixed. As a first step, K.U. Leuven created an enhanced design version based on the results which was discussed between STUBA and RBB at the WP2 Kick-off Meeting at K.U. Leuven on 20th October. In an iterative process between STUBA, K.U. Leuven and RBB a number of further design drafts were evaluated and updated until the final design stood. The website was then implemented by STUBA. In parallel, STUBA and RBB agreed on the final content categories and started filling these by and by with content, assisted by the responsible Consortium members. Once, the content was created, STUBA and RBB closely cooperated in many rounds of feedback and resulting enhancements of the site. RBB set up the hosting of the website and clarified the imprint with its legal department. It registered two domains: [www.hbb-next.eu](http://www.hbb-next.eu) and also [www.hbbnext.eu](http://www.hbbnext.eu). The official URL will be [www.hbb-next.eu](http://www.hbb-next.eu). However the second domain was established to "catch" people who are typing the URL in the wrong way: HBBNEXT.

On 14<sup>th</sup> November 2011 the website was finalized and put online.

## **3. Concept and Content**

The idea was to have a clearly structured website which presents the most important information at first sight. The website menu header bar offers the Overview page (the Home

page) and the subsites Work Packages, Partners, Documents, Publications, Standardisation, News, Contact.

The starting page “Overview Page”:

- ... is divided into a summary of the project and a dedicated news section. The news section lists three news items at a time, each illustrated by a photo. This is directly linked to the News subsite which can also be reached directly from the header menu.

The subsite “work packages”:

- ... offers a short introductory text on the approach and interdependencies of the work packages and then a clickable figure leading to more detailed information about each work package.

The subsite “Partners”:

- ... contains links to the partners web-sites and also briefly describes the role of the partner in the project in the figure.

The subsite “Documents”:

- contains a list of all deliverables. Public deliverables are available here for download once they are complete.

The subsites “Publications and Standardization”:

- .... summarise outcomes of the project to the scientific field, public presentations and input for standardization bodies. Like the other parts of the website these lists will be constantly updated.

The subsite “News”:

- .... contains the latest news of the project. It can also be reached via the “Overview” site.

The subsite “Contact”:

- gives the contact details to the project coordinator.

The website integrates social media to improve publicity of the project. At the moment there is a link to the HBB-NEXT twitter account, however more is to follow.

The imprint section may be accessed via the blue footer bar from any subsite.

#### **4. Technical information**

The web site is running in a Content Management System called Joomla. Joomla was considered and evaluated in parallel with WordPress publishing system. Both Joomla and WordPress are widely used as web-page content management system. WordPress is an easy and effective CMS. However, the advantages of Joomla are the simple extendibility with modules (many of them already available), straightforward social media integration, multiple user/group privilege system and, last but not least, the long experience with this system including its low level programming. Within Joomla, graphical design has been implemented. In more details, Joomla is using a database back-end, MySQL in our case. It requires PHP language.

The IP address is 46.163.110.35 and it can be accessed by using the URL <http://www.hbb-next.eu> and for [www.hbbnext.eu](http://www.hbbnext.eu), the latter for catching spelling mistakes. New articles can be added by project members and authentication is required via the sign-in form.

The site administration is done via ftp access to the server.

For managing the input of [www.hbb-next.eu](http://www.hbb-next.eu) one person at RBB will be responsible web editor. He/she will do updates and changes with the help of the Joomla administration tools (see annex). Each consortium member is expected to send news content to RBB whenever there is an issue that needs treated. Likewise, each consortium member will send information on publications for the publication section. Input for the standardization section will be provided by IRT. Creating more special input – if necessary - will be assigned to work package leaders.

#### **5. Planned features**

In order to further enhance readability and usability of the website, the news section will be restructured. Pages will be introduced, each holding a list of five news items. User can then skip through these news pages in order to gather older or newer information.

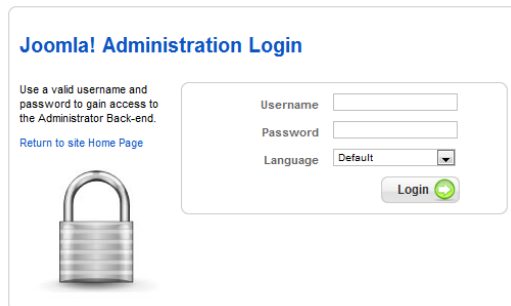
A picture slide show feature is considered for being added to the website. It can hold pictures of events, R&D work and other topics of interest.

For deeper embedding the website into the WWW and its new community features the consortium is considering adding social plugins as buttons to the news articles. So users can share important HBB-NEXT information with their networks and a natural feedback to HBB-NEXT social network channels can be generated.

## 6. Annex: User manual by STUBA for administering the site (RBB)

### 6.1. Access

Administrator page : <http://www.hbb-next.eu/administrator/>



The image shows the Joomla! Administration Login page. It features a title 'Joomla! Administration Login' and a sub-header 'Use a valid username and password to gain access to the Administrator Back-end.' Below this is a 'Return to site Home Page' link. To the left is a padlock icon. To the right is a login form with fields for 'Username', 'Password', and 'Language' (set to 'Default'). A 'Login' button with a green arrow is at the bottom right of the form.

Username : hbbnext

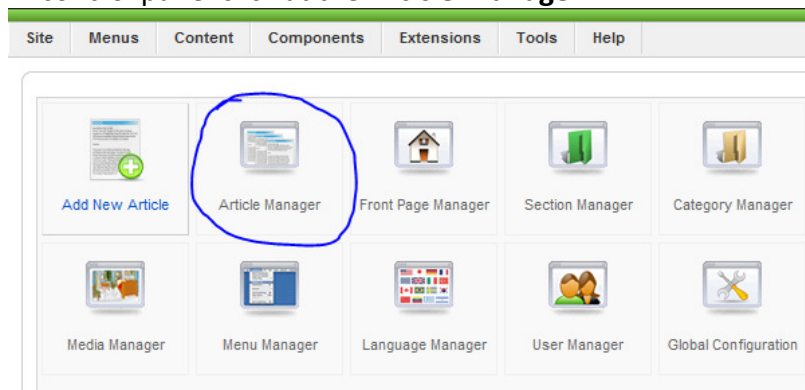
Password : <removed>

E-mail : [Sven.Glaser@rbb-online.de](mailto:Sven.Glaser@rbb-online.de)

### 6.2. Articles

#### 6.2.1. Accessing articles

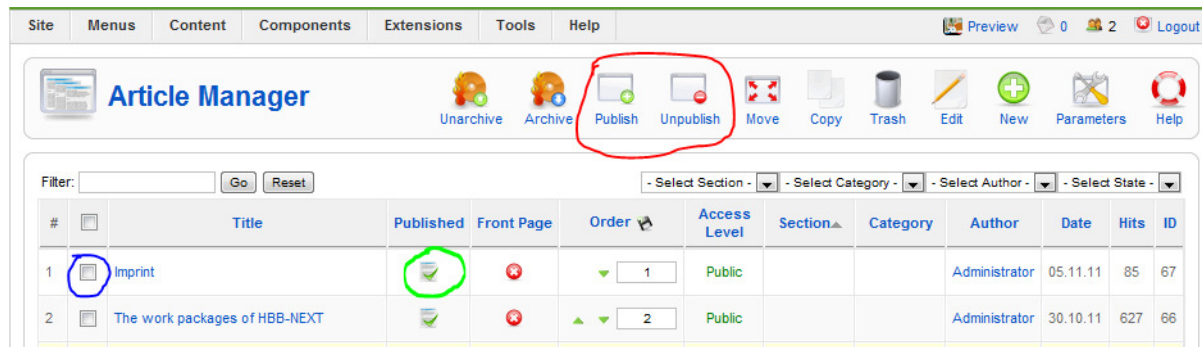
In control panel click at the **Article Manager**



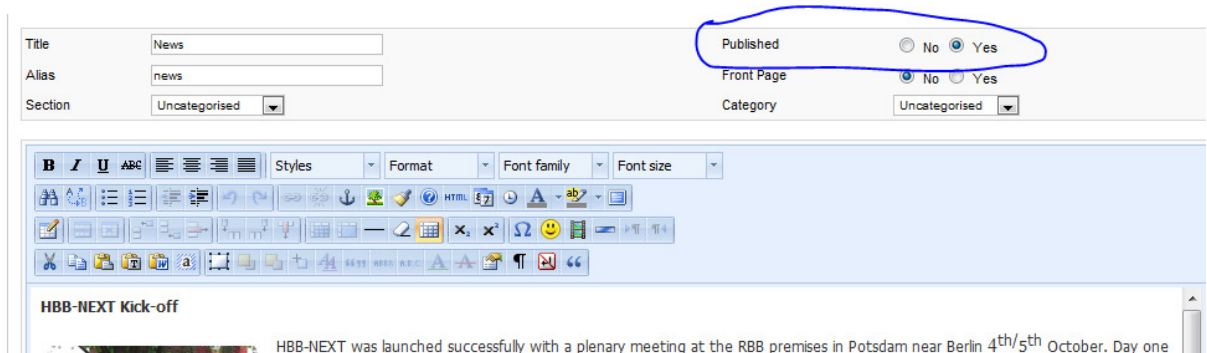
Now You can see the articles.

Each article can be Published / Unpublished – it can be changed by 3 ways :

- Click on icon under Published label in desired row (**Green stroke**)
- Select desired article by checking the checkbox in desired row (**Blue stroke**) and click on the desired action on top banner (**red stroke**)



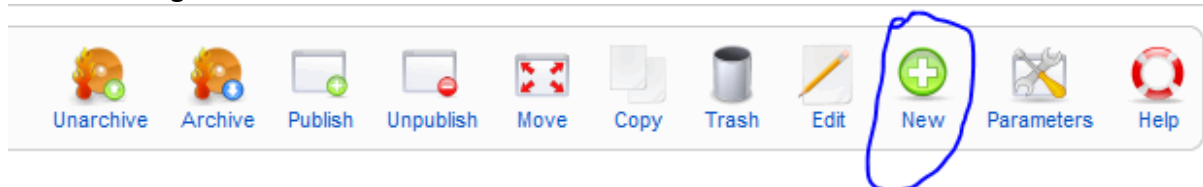
- By clicking on the article name will show article editor :



Here select No/Yes for publish article (blue stroke).

### 6.2.2. Create / Edit Article

To create a new article just click on the „New“ button (blue stroke) on the top banner in article manager.



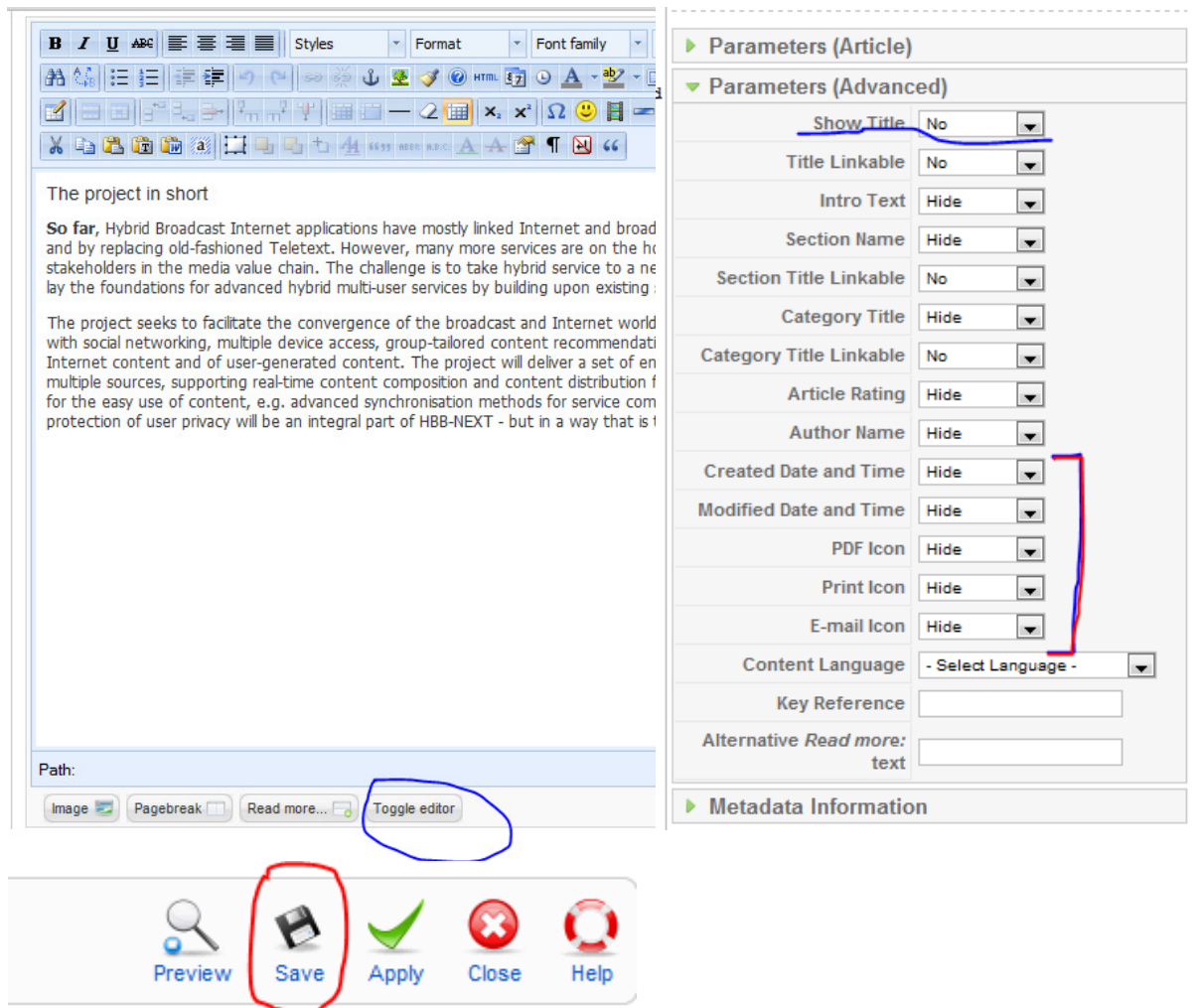
For create and edit an article we use the WYSIWYG editor. It's a standart editor for html documents. You can edit directly the HTML code by clicking on "Toggle Editor button" (blue stroke on image below). This can be usefull when we need som special forming features that editor doesn't support. Otherwise , the WYSIWYG editor should have all required funtions, so there is no need to know HTML.

Article has a many editable parameters, most of them aren't important, so I describe only the main parameters.

Show title – when is this option set to yes, there will be appear default formatted title above article. (blue stroke)

Date and icon settings – here we enable date above article or buttons to download/print/email article. (blue-red stroke)





The project in short

**So far**, Hybrid Broadcast Internet applications have mostly linked Internet and broad and by replacing old-fashioned Teletext. However, many more services are on the h stakeholders in the media value chain. The challenge is to take hybrid service to a ne lay the foundations for advanced hybrid multi-user services by building upon existing .

The project seeks to facilitate the convergence of the broadcast and Internet world with social networking, multiple device access, group-tailored content recommendati Internet content and of user-generated content. The project will deliver a set of en multiple sources, supporting real-time content composition and content distribution f for the easy use of content, e.g. advanced synchronisation methods for service com protection of user privacy will be an integral part of HBB-NEXT - but in a way that is t

Path:

Image Pagebreak Read more... Toggle editor

Parameters (Article)

Parameters (Advanced)

Show Title No

Title Linkable No

Intro Text Hide

Section Name Hide

Section Title Linkable No

Category Title Hide

Category Title Linkable No

Article Rating Hide

Author Name Hide

Created Date and Time Hide

Modified Date and Time Hide

PDF Icon Hide

Print Icon Hide

E-mail Icon Hide

Content Language - Select Language -

Key Reference

Alternative Read more: text

Metadata Information

Preview Save Apply Close Help

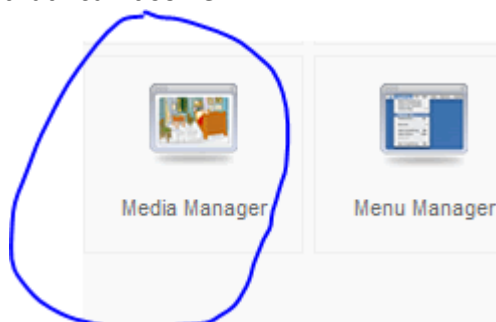
To save article click on Save button (red stroke)

### 6.2.2.1. Inserting Images to article

At first, i have to describe where the pictures have to be located. There are two ways :

- Directly on ftp server
- On specified url adress (local or distant server)

Usually is used the media manager feature (we need to go back to control panel – blue stroke), wich can upload images to ftp server. But there is a problem with file and folder permissions on hbb-next ftp server ( because is running on Windows based architecture) that i can't solve.

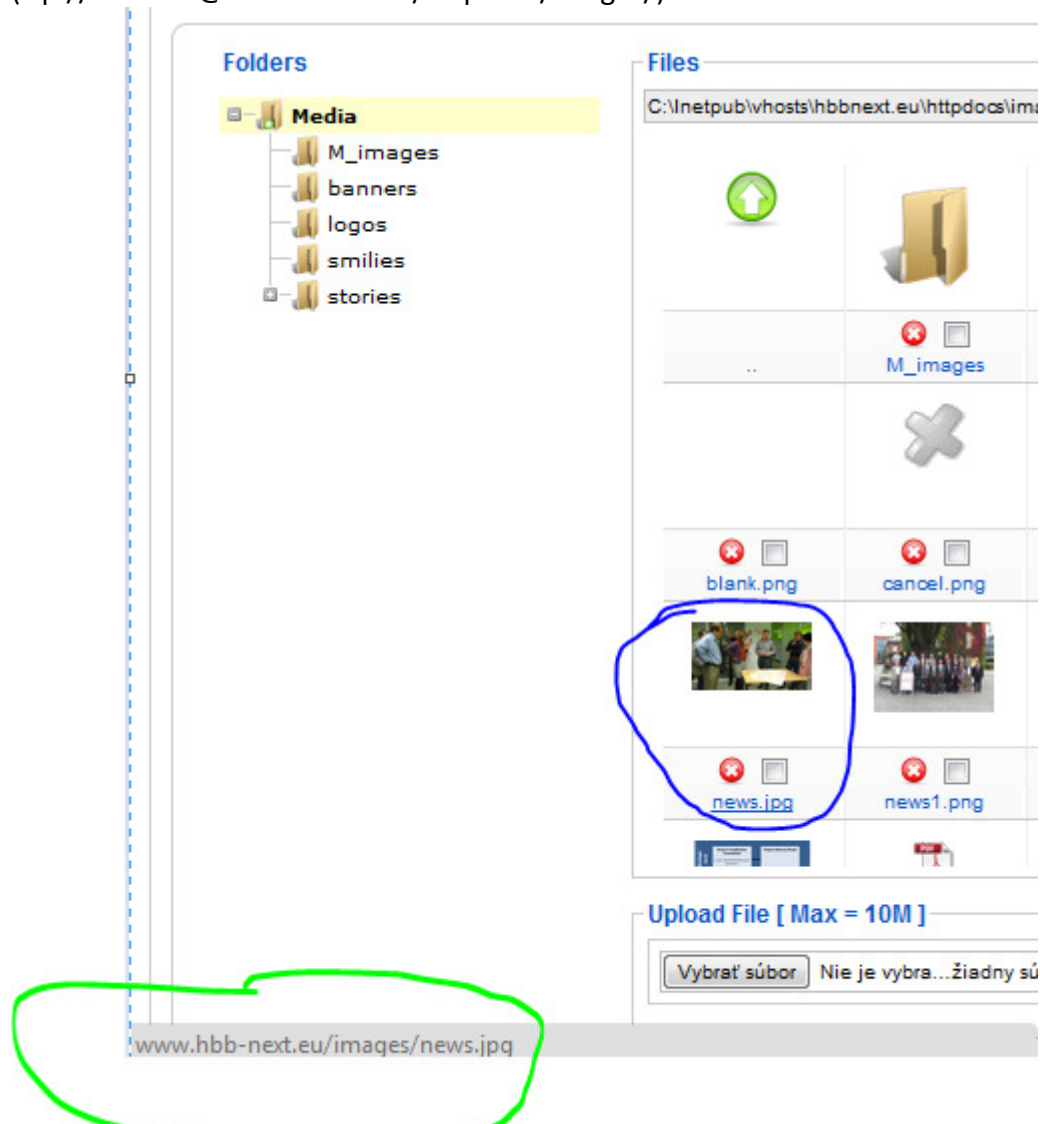


But it can be used for checking the image name and url. On Picture below i select the news.jpg image wich is located on ftp in directory :

<ftp://hbbweb@46.163.110.35/httpdocs/images/news.jpg>.

Media folder on Picture represent folder images

(ftp://hbbweb@46.163.110.35/httpdocs/images/).



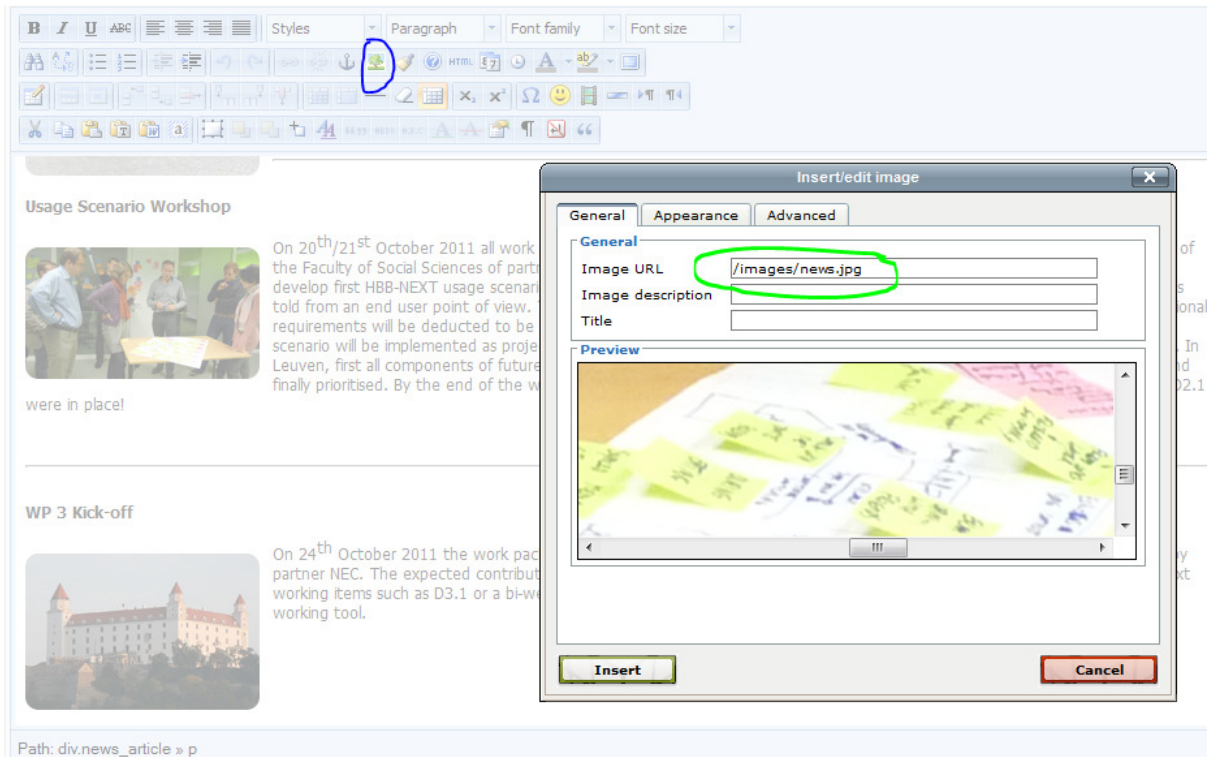
The news.jpg picture have this url : [www.hbb-next.eu/images/news.jpg](http://www.hbb-next.eu/images/news.jpg) (green stroke).

The url will be displayed when we stay with cursor on one of the images.

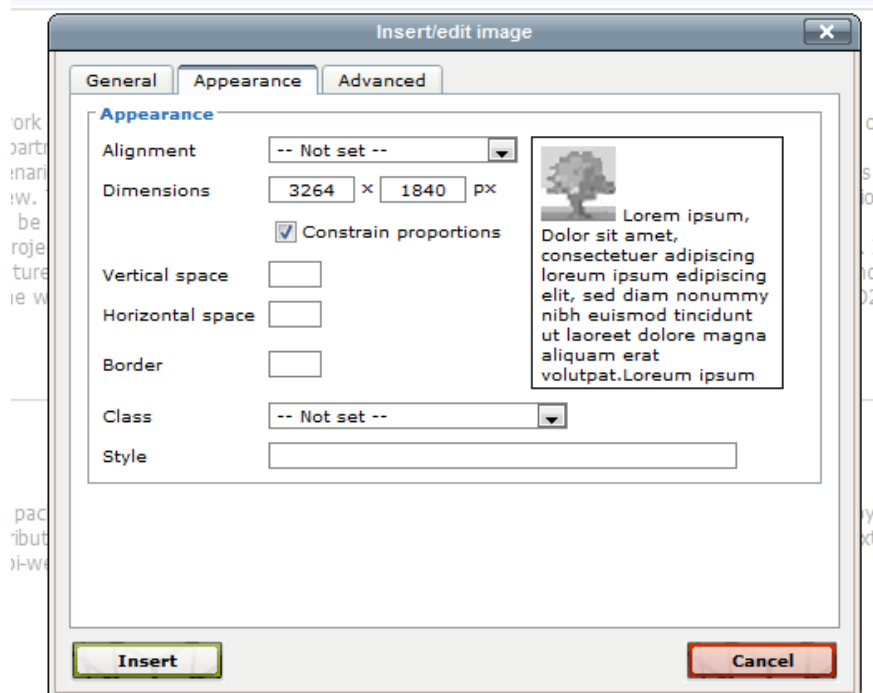
**Because we hosted this Picture on hbb-next ftp server, the correct Picture url is also : /images/news.jpg**

Now, when we know the correct url adress of picture, we can insert it into article (see the picture below).

In the article editor click on the insert/edit image button (blue stroke) and insert correct url of images into first row (green stroke) . If is this image url correct, image will appears inside preview area.



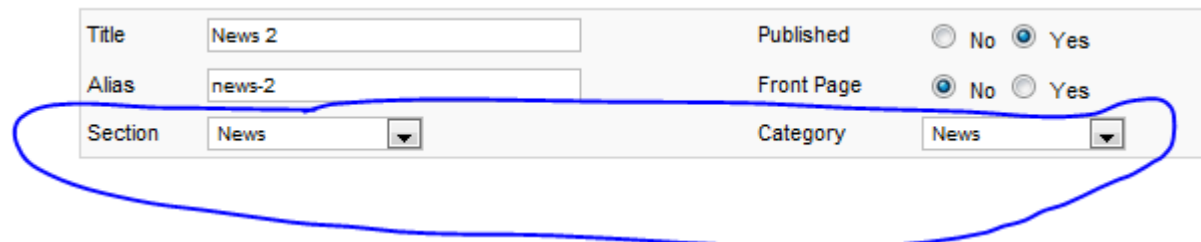
Clicking on Appearance tab, we can set Dimensions, alignment and other formatting options for image.



Finally, to insert the picture into article – click on the insert button.

### 6.2.3. Adding news article into news subpage

When You wish to add a new article into news subpage, article must be placed into News section and News category at the same time. In other case it will not be displayed in news section.



Title	News 2	Published	<input type="radio"/> No <input checked="" type="radio"/> Yes
Alias	news-2	Front Page	<input checked="" type="radio"/> No <input type="radio"/> Yes
Section	News	Category	News

You can set from administration number of articles (news) per page in control panel->extension->module\_manager->Show news (click on title). Here, in field 'Articles per page' insert the desired number.



**Details**

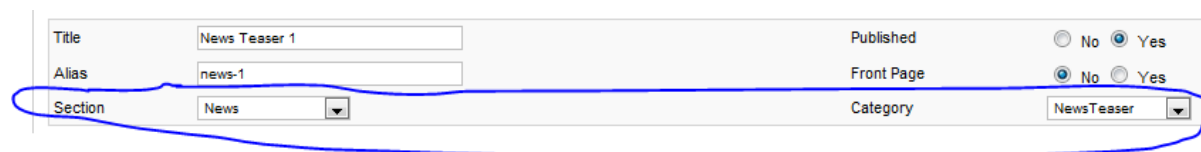
Module Type:	mod_zoznam_news
Title:	Show news
Show Title:	<input checked="" type="radio"/> No <input type="radio"/> Yes
Enabled:	<input type="radio"/> No <input checked="" type="radio"/> Yes
Position:	center
Order:	0::Show news
Access Level:	Public

**Parameters**

Module Parameters	
News category id	35
Articles per page	3

#### 6.2.4. Adding news teaser article into home page

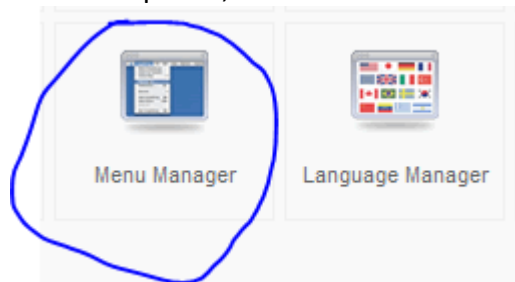
When You wish to add a new article into home pag, article must be placed into News section and NewsTeaser category at the same time. In other case it will not be displayed in news section.



Title	News Teaser 1	Published	<input type="radio"/> No <input checked="" type="radio"/> Yes
Alias	news-1	Front Page	<input checked="" type="radio"/> No <input type="radio"/> Yes
Section	News	Category	NewsTeaser

### 6.3. Menu Manager

In control panel , select the Menu manager.



To edit menu click on the Edit icon (blue stroke)



#	Title	Type	Menu Item(s)	# Published	# Unpublished	# Trash	# Modules	ID
1	Main Menu	mainmenu		8	-	3	1	1

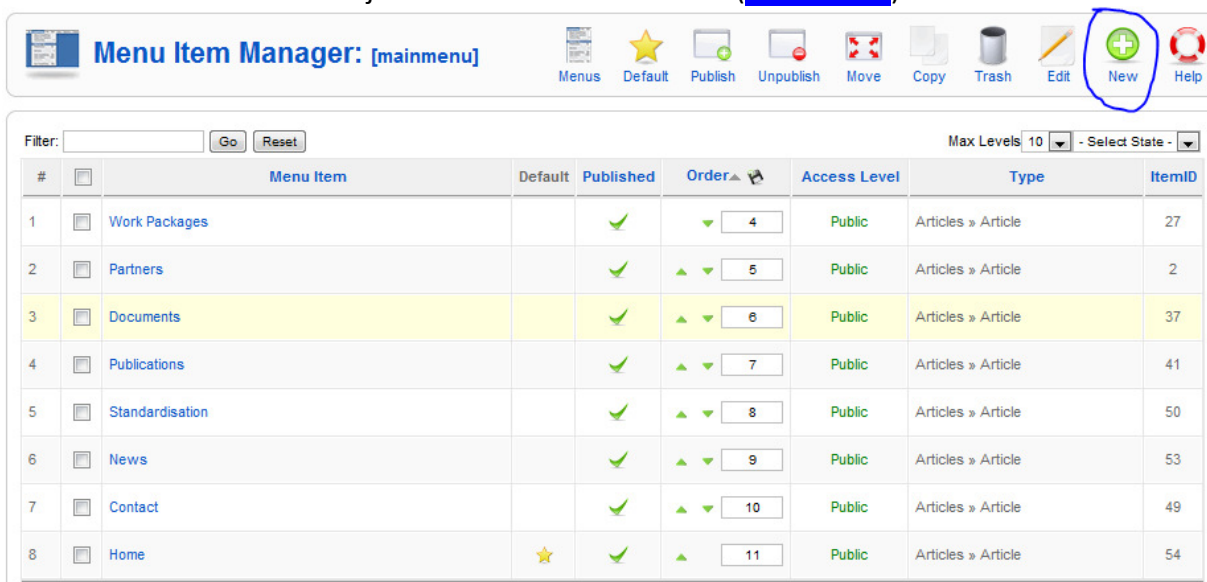
Display # 20

Now we can see the menu items. One of them have to be marked as default – in our case : Home item (marked by the yellow stars). Item marked as a default will be show as a default (implicit) page (so default means in this case starting or home page). It can be changed checking the check button in desired row and clicking on the default button (yellow star) in top right banner.

Menu items can be also reordered by clicking on the green up/down button under Order labeled column.

To edit menu item (if you wish to for example : changing title) , click on menu item label.

To create a new menu item just click on the new button (blue stroke)



Menu Item Manager: [mainmenu]

Menus Default Publish Unpublish Move Copy Trash Edit New Help

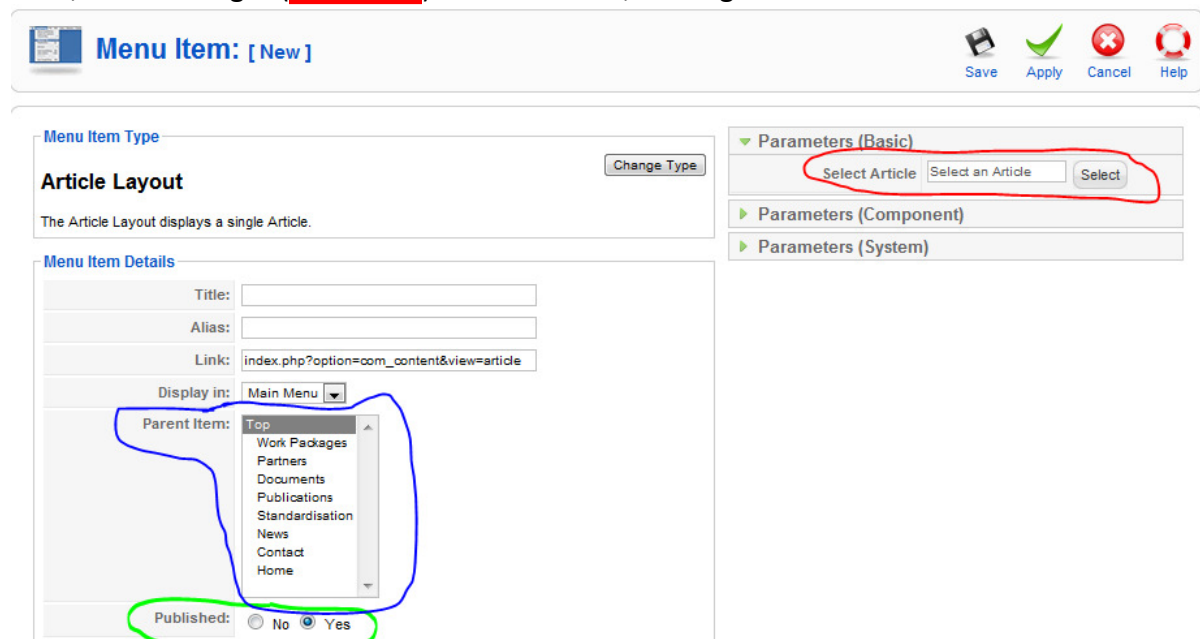
Filter:  Go Reset Max Levels 10 - Select State -

#	Menu Item	Default	Published	Order	Access Level	Type	ItemID
1	Work Packages		✓	4	Public	Articles » Article	27
2	Partners		✓	5	Public	Articles » Article	2
3	Documents		✓	6	Public	Articles » Article	37
4	Publications		✓	7	Public	Articles » Article	41
5	Standardisation		✓	8	Public	Articles » Article	50
6	News		✓	9	Public	Articles » Article	53
7	Contact		✓	10	Public	Articles » Article	49
8	Home	★	✓	11	Public	Articles » Article	54

There are many kind of section, i describe only the article layout because this is all we need to our page. So after clicking on new button select the arcitle layout (green stroke).



Now, select on right (red stroke) desired article, clicking on select button.

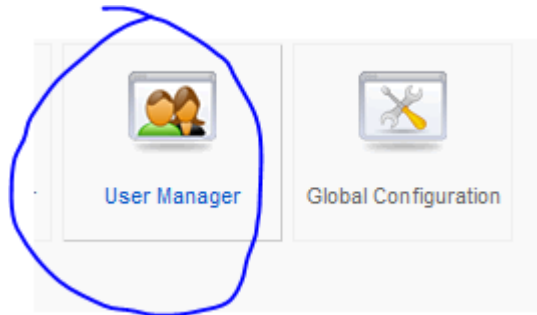


To publish menu section select yes (green stroke) .

The last thing we need no to do, is set the section position in menu „tree“ (blue stroke) . If we select the Top as a parent item, new section (with our title) will shows next to other sections (Work packages, .... , Contact) . Because our page is designed just for one row menu – please choose this option everytime (In other case the menu item should not appear in page)


## 6.4. User manager

In control panel , select the User manager.




To edit user, click on his name, or check the checkbox on click on edit button on to right menu. (Or delete button for remove user).


To create new user, click on new button.




User Manager




Logout




Delete



Edit



New



Help





Filter:

Go

Reset

Select Group

Select Log Status

#	<input type="checkbox"/>	Name	Username	Logged In	Enabled	Group	E-Mail	Last Visit	ID
1	<input type="checkbox"/>	Administrator	admin			Super Administrator	mar.herko@gmail.com	2011-11-17 11:10:46	62
2	<input type="checkbox"/>	Christopher Köhnen	ckoehnen			Registered	Christopher.Koehnen@iem.thm.de	2011-11-17 10:59:06	63
3	<input type="checkbox"/>	hbbnext	hbbnext			Super Administrator	Sven.Glaser@rbb-online.de	2011-11-17 11:03:18	64

Now set the user information.

There are two important groups : public frontend (site) and public backend (administration).

Access level of this groups is described on the following link :

<http://help.joomla.org/content/view/228/153/>

<b>User Details</b> Name <input type="text"/> Username <input type="text"/> E-mail <input type="text"/> New Password <input type="password"/> Verify Password <input type="password"/> Group <div> <div>Public Front-end</div> <ul style="list-style-type: none"> <li>Registered</li> <li>Author</li> <li>Editor</li> <li>Publisher</li> <li>Public Back-end</li> <li>Manager</li> <li>Administrator</li> <li>Super Administrator</li> </ul> </div> Block User <input checked="" type="radio"/> No <input type="radio"/> Yes Receive System E-mails <input checked="" type="radio"/> No <input type="radio"/> Yes		<b>Parameters</b> Back-end Language <input type="text" value="- Select Language -"/> Front-end Language <input type="text" value="- Select Language -"/> User Editor <input type="text" value="- Select Editor -"/> Help Site <input type="text" value="Local"/> Time Zone <input type="text" value="(UTC 00:00) Western Europe Time, London, Lisbon, Casablanca, Reykjavik"/>
<b>Contact Information</b> No Contact details linked to this User. See Components => Contact => Manage Contacts for details.		

## 6.5. Official documentation & user guide

Help screens :

<http://help.joomla.org/content/section/42/278/>