	JMMC-GEN-2910-0001 Revision : 1.1 Date : 10/03/2008

JMMC

WEB SITE DESIGN CONVENTIONS

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Released by : Institute :	Signature : Date :

CHANGE RECORD

REVISION	DATE	AUTHOR	SECTIONS/PAGES AFFECTED
	REMARKS		
0.1	26/01/2005	P. Kervella	All
	First draft version		
0.9	18/04/2005	P. Kervella	All
	Corrections to reflect the final implementation		
1.0	18/10/2005	G. Mella	Server Side Configuration
	Add section to give information about our web site management		
1.1	10/03/2008	G. Mella	Server Side Configuration
	Update informations since server changes		

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1 Introduction

1.1 Object

This document gives guidelines for the design of HTML pages for the JMMC web site.

1.2 Reference documents

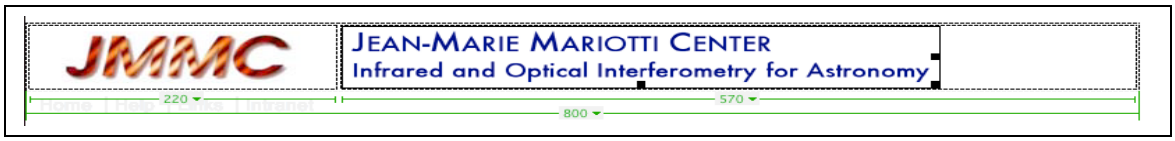
[1]

1.3 Abbreviations and Acronyms

JMMC Jean-Marie Mariotti Center

2 Static web pages (no frames)

2.1 Upper logos



The two images jmmc_large.jpg (left, 171 x 47 pixels, centered) and jmmc_logotext.gif (right, 430 x 57 pixels, justified left) are inserted in a 800 x 57 pixels table.

2.2 Upper navigation bar

Three links to static HTML pages are permanently present on this bar, separated by "|" characters.

The font is "Arial,sans-serif", the size is 90%, and the color is #006699 (light blue). The links are underlined when the mouse is on them (standard behavior).

The links are the following:

```
Home -> index.htm
Links -> links.htm
Search -> search.htm
```

The total height of the upper band is set in the CSS to 70 pixels, and is delimited by a single line of 1 pixel, with color #cccccc (very light grey).

2.3 Left navigation bar

The left navigation bar is composed of 14 items, with direct links to static HTML pages, with and without frames.

They are enclosed in a dedicated thin box of 1 pixel with color #EEE. The font is "Arial,sans-serif", the text size is 90%, and the text color is #006699 (light blue). The background color is #F8F8F8 (very light grey).

Themain categories are separated by thin 1 pixel lines with color #cccccc. As set by the CSS, the link backgrounds are greyed when the mouse of the user is on them (color #FFFFFF), and the font is underlined (standard bahavior).

2.4 Central body

This is where the main text is located. The text is usually contained in a transparent table whose first line is a title composed with blue (#000092) and/or green (#006600) characters (to emphasize one part of the title for instance). The font is “Arial,sans-serif”, the size is 114%.

The cell margin is 8 pixels in all directions. The email adresses are generated as images to avoid spamming.

The page is split in two sections: the “welcome” section and the “news” section, that are separated by a solid line. Their content is still under definition.

The text itself is composed of “Arial,sans-serif” characters which size is 80%, and the color #333333 (dark grey). Bold characters with this same color, or green (#006600) can also be used within the text.

The hypertext links are naturally colored #006699 (light blue) by the CSS.

2.5 Sample HTML source code

Below is the HTML code for the index.htm page pictures in previous sections.

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<!-- DW6 -->
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-
8859-1" />
<title>JMMC - Home</title>
<link rel="shortcut icon" href="http://mariotti.ujf-
grenoble.fr/favicon.ico" type="image/x-icon">
<link rel="stylesheet" href="css/2col_leftNav.css" type="text/css"
/>
<style type="text/css">
<!--
.Style4 {
     color: #O1O17O;
     font-size: 14px;
}
.Style6 {color: #FFFFFF}
.Style13 {font-size: 8O%}
.Style14 {font-size: 12px}
.Style15 {
     color: #818181;
     font-size: 1Opx;
     font-style: italic;
}
.Style2O {
     font-size: 11px;
     color: #666666;
     margin-left: 25px;
     padding-bottom: 2px;
     line-height: 15px;
     padding-top: 3px;
}
.Style21 {
     color: #OO66OO;
     font-weight: bold;
}
-->
</style>
</head>
<!-- The structure of this file is exactly the same as
2col_rightNav.html;
     the only difference between the two is the stylesheet they use
-->
<body>
<div id="masthead">
  <table width="8OO" border="O">
    <tr>
```

```
        <td width="220"><div align="center"><a href="index.htm"><img
src="images/jmmc_large.jpg" alt="JMMC logo" width="171" height="47"
border="0" /></a></div></td>
            <td width="570" valign="middle"><div align="left"><img
src="images/jmmc_logotext.gif"   alt="Jean-Marie   Mariotti   Center"
width="430" height="57" /></div></td>
    </tr>
  </table>
    <div id="globalNav">
    <span class="Style4"><a href="index.htm">Home</a> |
     <a href="links.htm">Links</a> |
     <a       href="search.htm">Search</a>       |             <span
class="Style15">&copy;2005         Jean-Marie     Mariotti     Center
</span></span>
  </div>
</div>


<div class="Style6" id="navBar">
  <div class="Style13" id="sectionLinks">
         <li class="Style14"><a href="./about_jmmc.htm">Who are we ?
</a>
                <div align="left" class="Style20">
                   <a href="jmm.htm">Who was JMM ?</a><br>
                    <a href="jmmc_partners.htm">Partners</a><br>
                   <a href="jmmc_structure.htm">Structure</a><br>
                    <a href="jmmc_groups.htm">Working groups</a>
            </div>
    <li class="Style14"><a href="proposals.htm">Proposal preparation
</a>
        <div align="left" class="Style20">
                   <a href="aspro_page.htm">ASPRO</a><br>
                    <a href="eso_proposals.htm">VLTI proposals</a>
       </div>
    </li>
             <li  class="Style14"><a  href="data_processing.htm">Data
processing </a><br>
                <div align="left" class="Style20">
                                                                    <a
href="data_processing_vinci.htm">VINCI</a><br>
                  <a href="data_processing_midi.htm">MIDI</a><br>
                <a href="data_processing_amber.htm">AMBER</a>
            </div>
        </li>
         <li class="Style14"><a href="support.htm">User support </a>
          </li>     <li                            class="Style14"><a
href="internal.htm">Developement</a>

</li>
</div>
</div>


<div id="content">
<!-- Insert content here -->
<!-- ****************** -->
```

```
     <table cellspacing="8">
          <tr><td       colspan="2"><h2>Welcome       to       the
JMMC</h2></td></tr>
     <tr>
                  <td><div  align="center"><a  href="http://www.obs-
nice.fr/fresnel/gi2t/fr/"><img           src="images/gi2t_neige.jpg"
width="141" height="75" border="1" /></a></div></td>
          <td>
           <p>The JMMC is the <span class="Style7">French Center for
Infrared and Optical Interferometry</span>. It provides support for
the users of the astronomical interferometers currently in operation
around the world. The picture on the left shows the French <a
href="http://www.obs-nice.fr/fresnel/gi2t/fr/">Grand
Interf&eacute;rom&egrave;tre    &agrave;    Deux    T&eacute;lescopes
(GI2T)</a>. </p>
          </td>
       </tr>
           <tr>
                                  <td><div           align="center"><a
href="http://www.eso.org/projects/vlti"><img  src="images/vlti-array-
mini.jpg" alt="VLTI at Paranal" width="142" height="124" border="0"
/></a></div></td>
             <td>The <a href="http://www.eso.org/projects/vlti">Very
Large Telescope Interferometer</a> is today the leading astronomical
interferometer. It allows the coherent combination of three of the
telescopes available at the Cerro Paranal observatory: four 8m Unit
Telescopes and four moveable 1.8m Auxiliary Telescopes. Once fully
operational, the VLTI will provide both a high sensitivity as well
as milli-arcsec angular resolution with interferometric baselines of
up to 200m in length.</td>
      </tr>
      <tr><td colspan="2"><hr/><h2>JMMC NEWS</h2></td></tr>
                <tr>
              <td colspan="2"><p><strong><span class="Style21">2005-
04-15</span>   T&acirc;che de Service JMMC pour 2005:</strong><br>
               R&eacute;alisation d'une interface entre des modeles
astrophysiques et le logiciel "Model fitting" developp&eacute; dans
le cadre du <a href="http://eii-jra4.ujf-grenoble.fr/">JRA4</a> d'<a
href="http://www.astro-opticon.org/">Opticon</a>.
              <br>
              </p>
            </td>
      </tr>

      <tr> <td colspan="2"><p>
                <strong><span class="Style21">2005-03-01 </span> The
ESO <a href="eso_proposals.htm">Call for Proposals</a> for  AMBER
and  MIDI  is  open  (deadline:  <span  class="Style22">1st  April
2005</span>) </strong><br>
              </p></td>
                                  </tr>
     </table>
</div>
<p> </p>
```

```
<!-- End of content -->
<!-- ************** -->

</div>

</body>
</html>
```

2.6 CSS source code

Below is the “2col_leftNav.css” style sheet source code.

```
/*********************************************/
/* 2col_leftNav.css                          */
/* Use with template 2col_leftNav.html        */
/*********************************************/

/*********************************************/
/* HTML tag styles                           */
/*********************************************/

body{
     font-family: Arial,sans-serif;
     color: #333333;
     line-height: 1.166;
     margin: 0px;
     padding: 0px;
}

a:link, a:visited, a:hover {
     color: #006699;
     text-decoration: none;
}

a:hover {
     text-decoration: underline;
}
/* overrides decoration from previous rule for hovered links */

h1, h2, h3, h4, h5, h6 {
     font-family: Arial,sans-serif;
     margin: 0px;
     padding: 0px;
}

h1{
 font-family: Verdana,Arial,sans-serif;
 font-size: 120%;
 color: #334d55;
}

h2{
 font-size: 114%;
```

```
 color: #006699;
}

h3{
 font-size: 100%;
 color: #334d55;
}

h4{
 font-size: 100%;
 font-weight: normal;
 color: #333333;
}

h5{
 font-size: 100%;
 color: #334d55;
}

ul{
 list-style-type: square;
}

ul ul{
 list-style-type: disc;
}

ul ul ul{
 list-style-type: none;
}

label{
 font: bold 100% Arial,sans-serif;
 color: #334d55;
}


/*********************************************/
/* Layout Divs                               */
/*********************************************/

#masthead{
      padding: 0px 0px 5px 0px;
      border-bottom: 1px solid #CCCCCC;
      width: 800px;
      color: #999999;
      position: static;
      line-height: 17px;
      top: 0px;
      height: 80px;
}

#navBar{
      position: absolute;
      top: 100px;
      left: 0px;
```

```
      width: 140px;
      background-color: #F8F8F8;
      margin-left: 10px;
      line-height: 13px;
      color: #999999;
      border: 1px solid;
      border-top-color: #CCCCCC;
      border-right-color: #CCCCCC;
      border-bottom-color: #CCCCCC;
      border-left-color: #CCCCCC;
}

#navBar_fs{
      position: absolute;
      top: 5px;
      left: 0px;
      width: 140px;
      background-color: #F8F8F8;
      margin-left: 10px;
      line-height: 13px;
      color: #999999;
      border: 1px solid;
      border-top-color: #CCCCCC;
      border-right-color: #CCCCCC;
      border-bottom-color: #CCCCCC;
      border-left-color: #CCCCCC;
}

#content{
      position: absolute;
      top: 100px;
      left: 165px;
      padding: 0px 3px 3px 3px;
      font-size: 80%;
      width: 620px;
}

#content_fs{
      position: absolute;
      top: 5px;
      left: 165px;
      padding: 0px 3px 3px 3px;
      font-size: 80%;
      width: 620px;
}

#content td{
      text-align: justify;
}


/*********************************************/
/*Component Divs                             */
/*********************************************/

#siteName{
```

```
     margin: 0px;
     padding: 0px 0px 10px 10px;
}


/*************** #pageName styles **************/

#pageName{
     padding: 0px 0px 10px 10px;
}


/************* #globalNav styles **************/

#globalNav{
     color: #cccccc;
     padding: 0px 0px 0px 10px;
     white-space: normal;
     margin-top: 5px;
}
/* 'nowrap' prevents links from line-wrapping if there are too many
to fit in one line
   this will force a horizontal scrollbar if there isn't enough room
for all links
   remove rule or change value to 'normal' if you want the links to
line-wrap */

#globalNav img{
 display: block;
}

#globalNav a {
     font-size: 90%;
     padding: 0px 4px 0px 0px;
}


/************* #breadCrumb styles *************/

#breadCrumb{
     font-size: 80%;
     padding: 5px 0px 5px 10px;
}


/************** .feature styles ***************/

.feature{
/*   position:relative;
     left: 0px;
     top: 0px;*/
}

.feature p {
     text-align: justify;
     margin-top: 10px;
```

```
     }

.feature h3{
     padding: 30px 0px 5px 0px;
     text-align: center;
}

.feature img{
     float: left;
     margin-right: 5px;
}
/* adjust margins to change separation between the feature image and
text flowing around it */


/************** .story styles *****************/

.story{
     clear: both;
     padding: 10px 0px 0px 10px;
     font-size: 80%;
}

.story p{
     padding: 0px 0px 10px 0px;
}


/************* #siteInfo styles ***************/

#siteInfo{
     position: absolute;
     font-size: 75%;
     color: #cccccc;
     width: 790px;
     padding: 5px 0px 5px 10px;
     border-top-color: #CCCCCC;
     border-top-style: solid;
     border-top-width: 1px;
     border-right-width: 0px;
     border-bottom-width: 0px;
     border-left-width: 0px;
     top: 500px;
}
/* negative top margin pulls siteinfo up so its top border overlaps
(and thus lines up with)
     the bottom border of the navBar in cases where they "touch" */

#siteInfo img{
     padding: 4px 4px 4px 0px;
     vertical-align: middle;
}


/************* #search styles ***************/
```

```
#search{
     padding: 5px 0px 5px 10px;
     border-bottom: 1px solid #999999;
     font-size: 90%;
}

#search form{
 margin: 0px;
 padding: 0px;
}

#search label{
     display: block;
     margin: 0px;
     padding: 0px;
}


/*********** #navBar link styles ***********/

#navBar ul a:link, #navBar ul a:visited {display: block;}
#navBar ul {
     list-style: none;
     background-color: #FFFFFF;
}

/* hack to fix IE/Win's broken rendering of block-level anchors in
lists */
#navBar li {border-bottom: 1px solid #EEE;}

/* fix for browsers that don't need the hack */
html>body #navBar li {
     margin-top: 5px;
     margin-right: 5px;
     margin-bottom: 5px;
     margin-left: 5px;
}


/*********** #sectionLinks styles ***********/

#sectionLinks{
     font-size: 90%;
     list-style-type: none;
}

#sectionLinks h3{
     padding: 5px 0px 2px 10px;
}

#sectionLinks a:link{
/*   padding: 2px 0px 2px 10px;
     width: 100%;*/
  voice-family: "\"}\"";
  voice-family:inherit;
/*   width: auto;*/
```

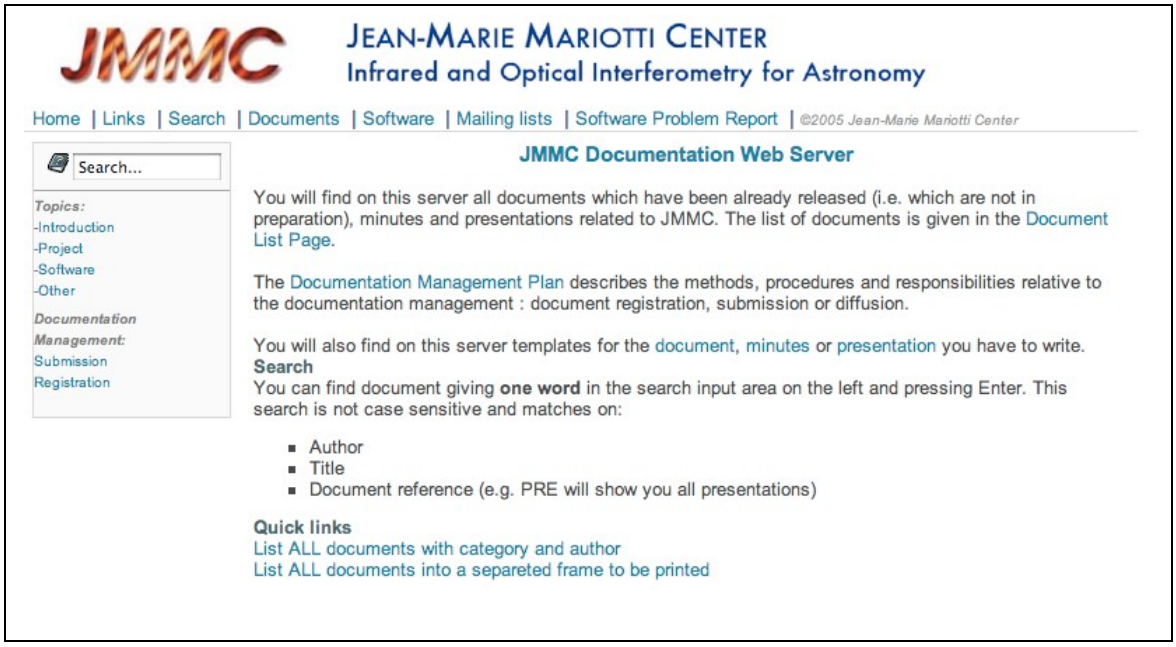
```
}

#sectionLinks a:visited{
/*    padding: 2px 0px 2px 10px;*/
}

#sectionLinks a:hover{
      background-color: #dddddd;
      color: #666666;
/*    padding: 2px 0px 2px 10px;*/
}


/*********** .relatedLinks styles ***********/

.relatedLinks{
      margin: 0px;
      padding: 0px 0px 10px 10px;
      font-size: 90%;
}

.relatedLinks h3{
      padding: 10px 0px 2px 0px;
}


/************** #advert styles **************/

#advert{
      padding: 10px 0px 0px 10px;
      font-size: 80%;
      border-top: 1px solid #999999;
}

#advert img{
      display: block;
}


/************** #headlines styles **************/

#headlines{
      margin: 0px;
      padding: 10px 0px 20px 10px;
      font-size: 80%;
}

#headlines p{
      padding: 5px 0px 5px 0px;
}
```

3 Framed web pages

3.1 "Developement" upper navigation bar and frameset

In order to enable the use of dynamically generated web pages and other advanced web features, framed version of the upper navigation bar has also been designed.

This navigation bar contains 7 links to static HTML pages, with or without frames.



The logos and navigation bar have the same design as the static pages described in Sect. 2.1 and 2.2. The upper frame is 92 pixels thick, and the bottom frame is unlimited.

3.2 Navigation bar source code

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<!-- DW6 -->
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-
8859-1" />
<title>top_menu</title>
<link rel="shortcut icon" href="http://mariotti.ujf-
grenoble.fr/favicon.ico" type="image/x-icon">
<link rel="stylesheet" href="../css/2col_leftNav.css"
type="text/css" />
<style type="text/css">
<!--
.Style4 {
```

```
     color: #010170;
     font-size: 14px;
}
.Style6 {color: #FFFFFF}
.Style13 {font-size: 80%}
.Style14 {font-size: 12px}
.Style15 {
     color: #818181;
     font-size: 10px;
     font-style: italic;
}
.Style20 {
     font-size: 11px;
     color: #666666;
     margin-left: 25px;
     padding-bottom: 2px;
     line-height: 15px;
     padding-top: 3px;
}
-->
</style>
</head>
<!-- The structure of this file is exactly the same as 2col_rightNav.html;
     the only difference between the two is the stylesheet they use
-->
<body>
<div id="masthead">
  <table width="800"  border="0">
    <tr>
         <td width="220"><div align="center"><a href="../index.htm" target="_top"><img src="../images/jmmc_large.jpg" alt="JMMC logo" width="171" height="47" border="0" /></a></div></td>
           <td width="570" valign="middle"><div align="left"><img src="../images/jmmc_logotext.gif" alt="Jean-Marie Mariotti Center" width="430" height="57" /></div></td>
    </tr>
  </table>
    <div id="globalNav">
                  <span    class="Style4"><a    href="../index.htm" target="_top">Home</a> |
     <a href="../links.htm" target="_top">Links</a> |
     <a href="../search.htm" target="_top">Search</a> |
     <a                                   href="http://mariotti.ujf-grenoble.fr/doc/index.php?cat=Introduction" target="bottom_frame">Documents</a> |
                                  <a        href="http://mariotti.ujf-grenoble.fr/twiki/bin/view/Software/WebHome" target="bottom_frame">Software</a> |
     <a                  href="http://mariotti.ujf-grenoble.fr/wws/" target="bottom_frame">Mailing lists</a> |
                  <a    href="http://mariotti.ujf-grenoble.fr/gnats" target="bottom_frame">Software Problem Report</a> |
     <span class="Style15">&copy;2005   Jean-Marie Mariotti Center </span></span>
  </div>
```

```
</div>


</body>
</html>
```

3.3 Frameset source code

This defines the properties of the frames within the navigator window. The upper frame is 88 pixels high, and the lower frame is unlimited.

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Frameset//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-frameset.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-
8859-1" />
<title>JMMC - Internal</title>
</head>
  <frameset rows="88,*" frameborder="no">
        <frame src="top_menu.htm" name="top_frame" scrolling="No"
noresize="noresize" />
        <frame src="http://mariotti.ujf-grenoble.fr/twiki/bin/view/"
name="bottom_frame" scrolling="Auto" />
</frameset><noframes></noframes>
</body>
</html>
```

4 Server Side Configurations

4.1 General statements

Our web pages actually are distributed by two web servers. The first one (www.jmmc.fr) runs main JMMC web site and is managed by the 'Observatoire de Grenoble'. The second one (apps.jmmc.fr or jmmc.fr) hosts application related pages.
Every web pages and related material should be modified with versioning control (cvs was choosen) in the right module (see paragraph 4.3.).

4.2 File Locations

On the JMMC servers, most of web material should be placed into default installation directories. It often is a good choice according system upgrades. It seems better to upgrade a system modifying multiple separated configuration files than to use equivalent part digged into the old configuration file. The main point is that new configuration files and directory structure follow the general usage which generally is a mature solution. Next given paths were taken from Mandriva distributions.

4.2.1 Web Server Configuration files

Location: `/etc/httpd/`

The `/etc/httpd/conf.d` should be used to modularize main configuration.
Then it is possible to add a new subdirectory with its configuration.
It often is just an alias definition.
E.g.:
`/etc/httpd/conf.d/99_foo.conf` could link served pages with files located under the file system directory `/var/www/foo/` using next configuration code:

```
 Alias /foo /var/www/foo
<Directory /var/www/foo>
     ...what ever you want...
</Directory>
```

then the next URL could show files under `/var/www/foo`: `http://myserver/foo`

(it is much better than to use link over the filesystem)

4.2.2 Web Pages, CGIs and web contents

All should be placed under the same directory `/var/www`

default content of `/var/www` is:

```
/var/www/html & /var/www/cgi-bin
```

4.3 Versioning control of Web Pages, CGIs and web contents

Access can be done through ssh using next variables:

```
CVS_RSH=ssh
CVSROOT=:ext:login@cvs.jmmc.fr:/cvs/www
```

Several modules exists, but main web site is handled by the 'jmmc-html' one

Users who want to work on this modules must have an account on cvs.jmmc.fr. webmaster@jmmc.fr user is dedicated to publish web pages. It's home directory contains several links to checkouted modules:

- test-jmmc-html aims to test web content (affects web test area http://jmmc.fr/~webmaster)
- real-jmmc-html aims to distribute web content (affects main webhttp://www.jmmc.fr)

Normal cvs operations order can be:

- update module
- modify, add or remove web files
- commit

Since real-jmmc-html directory is dedicated to distribute final version of web site, webmaster should only proceed to cvs update after a validation test onto web test area.