Tutorial on EUMETView Service Interactive Tool
### Document Change Record

<table>
<thead>
<tr>
<th>Issue / Revision</th>
<th>Date</th>
<th>DCN. No</th>
<th>Changed Pages / Paragraphs</th>
</tr>
</thead>
<tbody>
<tr>
<td>V1</td>
<td>03/08/2016</td>
<td></td>
<td>First release.</td>
</tr>
</tbody>
</table>

First release.
Table of Contents

1 INTRODUCTION..................................................................................................................5

2 HOW TO USE EUMETVIEW SERVICE ONLINE INTERACTIVE TOOL..............................5
   2.1 Maps visualisation...........................................................................................................6
   2.2 Image download...............................................................................................................10
   2.3 Data Frame Animations .................................................................................................10
   2.4 Add external layers to map ...........................................................................................11

Table of Figures

Figure 1: EUMETView Service main page ..............................................................................5
Figure 2: EUMETView data product description ...................................................................6
Figure 3: Change layer date and time .....................................................................................7
Figure 4: Change layer opacity ...............................................................................................8
Figure 5: Change layer zoom ...................................................................................................8
Figure 6: Expand displayed map .............................................................................................9
Figure 7: Change layer projection ...........................................................................................9
Figure 8: Image download .......................................................................................................10
Figure 9: Images animation ....................................................................................................10
Figure 10: Images animation view ........................................................................................11
1 INTRODUCTION

This guide describes how users can access data via the EUMETSAT EUMETView Service interactive tool. It explains the required steps to interact with the online tool in order to display EUMETSAT images of data products on the online map viewer.

If you need an explanation of what is EUMETView WMS Service is, which are the available layers, and a detailed description of WMS Service characteristics and usages, please refer to the guide “Tutorial on EUMETView Service – Introduction” in the same web page of this guide.

2 HOW TO USE EUMETVIEW SERVICE ONLINE INTERACTIVE TOOL

To access the EUMETView Service interactive tool, go at the link: http://eumetview.eumetsat.int/mapviewer/.

The interactive tool page is divided in different parts:
1. List of available data.
2. Area where maps are displayed.
3. Product description.
4. Toolbar (to choose date, region and transparency for the layer).
5. Buttons to add external layers, download data and perform animations.

Figure 1: EUMETView Service main page
2.1 Maps visualisation

First of all, choose from the list on the left the product you want to display, then choose the category and then click on the layer you want to display. The layer will be automatically plotted on the area map.

You can read the product description under the area map, and you can access the product detailed information and metadata by clicking on the title of the product description (it will lead you to the EUMETSAT Product Navigator Page).

![EUMETView data product description](image)

**Figure 2: EUMETView data product description**

By default, when you click on a product, the displayed image represents the most recent image of the chosen product ingested in the system. If you want to change the day and time of the product, go to the toolbar and select the day and the time from the drop-down menu (the two arrows on the right allow you to increase and decrease time).
You can change the area displayed by clicking on Region and choosing the part of the world you want to plot from the pre-defined list.

You can also change the transparency of the layer by using the opacity slider.

*Figure 3: Change layer date and time*
When a layer is plotted in the area map, you can zoom in or out by using the zoom tool or your mouse wheel. You can move the map by dragging it with your mouse (hold down the left button) or by using the arrows above the zoom tool.

You can expand the area map (one side at time) by clicking on the arrows at the sides of the map. Click on the button at the upper centre of the area map to completely expand the map in one click or to come back to the standard view.
The “+” button on the right side of the map opens additional map options: you can choose different projections and you can turn the displayed layers on/off.

Figure 6: Expand displayed map

Figure 7: Change layer projection
2.2 Image download

You can download data by using the Download button on the upper right of the map viewer. Click on the button 

This will open the download window. You can choose the format you want to download (JPEG, GIF, PNG, TIFF, KML for Google Earth), you can choose the extent (map currently visualised or the full extent) or you can set the map size, and finally you can choose if you want to download the base map together with the national boundaries layer or not by checking the box “Overlays”.

Once you set your options, click on the button on the lower left to start the download.

![Figure 8: Image download](image)

2.3 Data Frame Animations

In order to perform product frame animation on a selected product, click on the "Animation button to open the “Create an Animation” 

Chose the number of frames you want to use for the animation or select the whole day. Then click on Go Button.

![Figure 9: Images animation](image)
This will display the animation buttons on the map area.

Click on the Play button to start the animation. You can choose the speed frame (fast, medium, slow). You can also pause and repeat the animation.

Use the slider to step through the different frames.

In order to come back to the standard map visualization and hide the animation buttons, click on the Stop button.

![Image of Animation View](image)

**Figure 10: Images animation view**

### 2.4 Add external layers to map

Click on the “Manage Map Layers” button.

This will open the layers management window.

This window allows you different actions on the map layers:

- Toggle the visibility of the different layers on/off (select the layer and check/uncheck the “Visible” box).
- Change opacity (Layer Opacity slide bar)
- Change the order of displayed layers
- Add new layers from external sources
- Remove layers