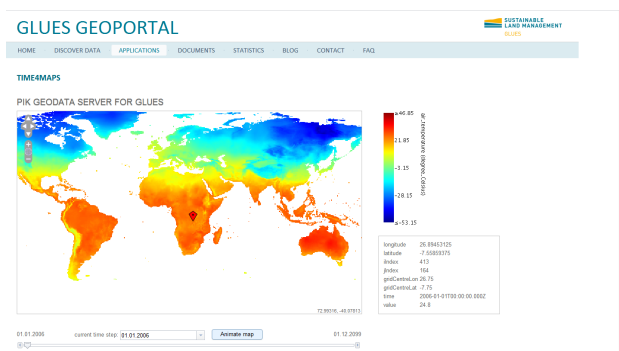



**SUSTAINABLE
LAND MANAGEMENT**
**TIME4MAPS -
Fact Sheet**

Time Series Visualization in GLUES GDI

Most of the scientific data published in the GLUES GDI is time series data. The web client „TIME4MAPS“ has been developed to enable a simple visual analysis of such data without installation of a massive GIS or other software.

„TIME4MAPS“ shows spatio-temporal changes of environmental data. The data must be provided by an OGC WMS Service (supported versions: 1.1.1 and 1.3.0). The interactive map client enables to select spatial and temporal extent of the map and to control the animated map with a time slider. A click on the map provides concrete information and values of the selected point for the actual time step.



An example with air temperature time series data of a GLUES partner is available here:

<http://geoportal-glues.ufz.de/applications/time4maps.html>

How to visualize your data in TIME4MAPS

The GLUES Geoportal provides an interface to visualize the time series data of a selected WMS in TIME4MAPS:

http://geoportal-glues.ufz.de/applications/time4maps_ownservice.html

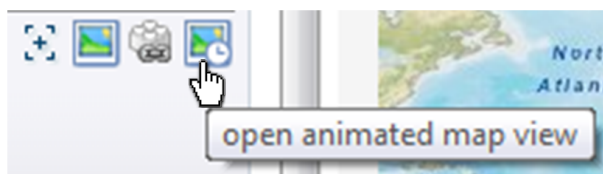
Simply type in the service URL and WMS version and the first map layer will be visualized in TIME4MAPS. You can also select

<http://geoportal-glues.ufz.de/use/applications.html>

other layers or combine multiple layers of the service in one map view.

How to use TIME4MAPS via GLUES metadata catalog

For all time series WMS registered in the Glues catalog the visualization in TIME4MAPS can be started by clicking on the icon in the right top corner of the metadata entry.



How to embed TIME4MAPS in your own website

TIME4MAPS is a simple browser client written in JavaScript (based on OpenLayers and Dojo), JSP and Java. To integrate Time4Maps in your website you can use an iFrame and adopt the code below with your WMS link:

```
<IFrame id="t4m_frame"
src="http://geoportal-glues.ufz.de/
Time4Maps/index.jsp?
url=<Your-WMS-URL>&version=1.3.0&
layer=<Your-Layer-Name>" />
```

To get regular information about source code updates and maintenance, please inform the GDI team about using Time4Maps. If you want to fully integrate or implement extensions for Time4Maps you can get the source code, too.

<http://geoportal-glues.ufz.de/use/sourcecode.html>

For further information please contact:

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