

OpenLayers™

Neue Features im Überblick



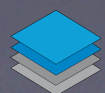
Emanuel Schütze, Intevation GmbH
emanuel.schuetze@intevation.de



FOSSGIS 2008 | Freiburg, 2. April 2008

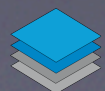
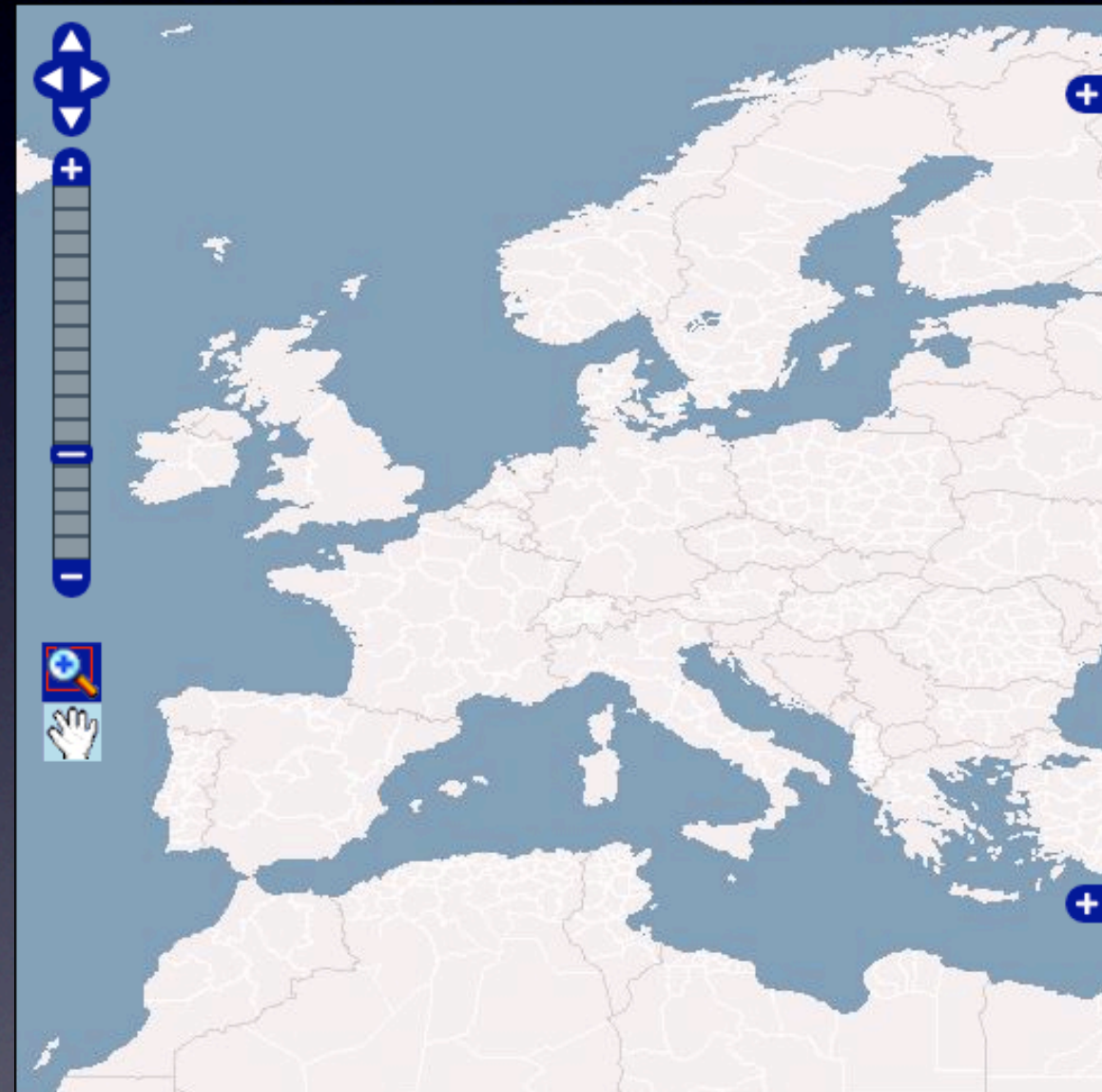
Gliederung

- ⦿ Einführung
- ⦿ Demos
- ⦿ Anwendungsbeispiele
- ⦿ Zusammenfassung



Einführung

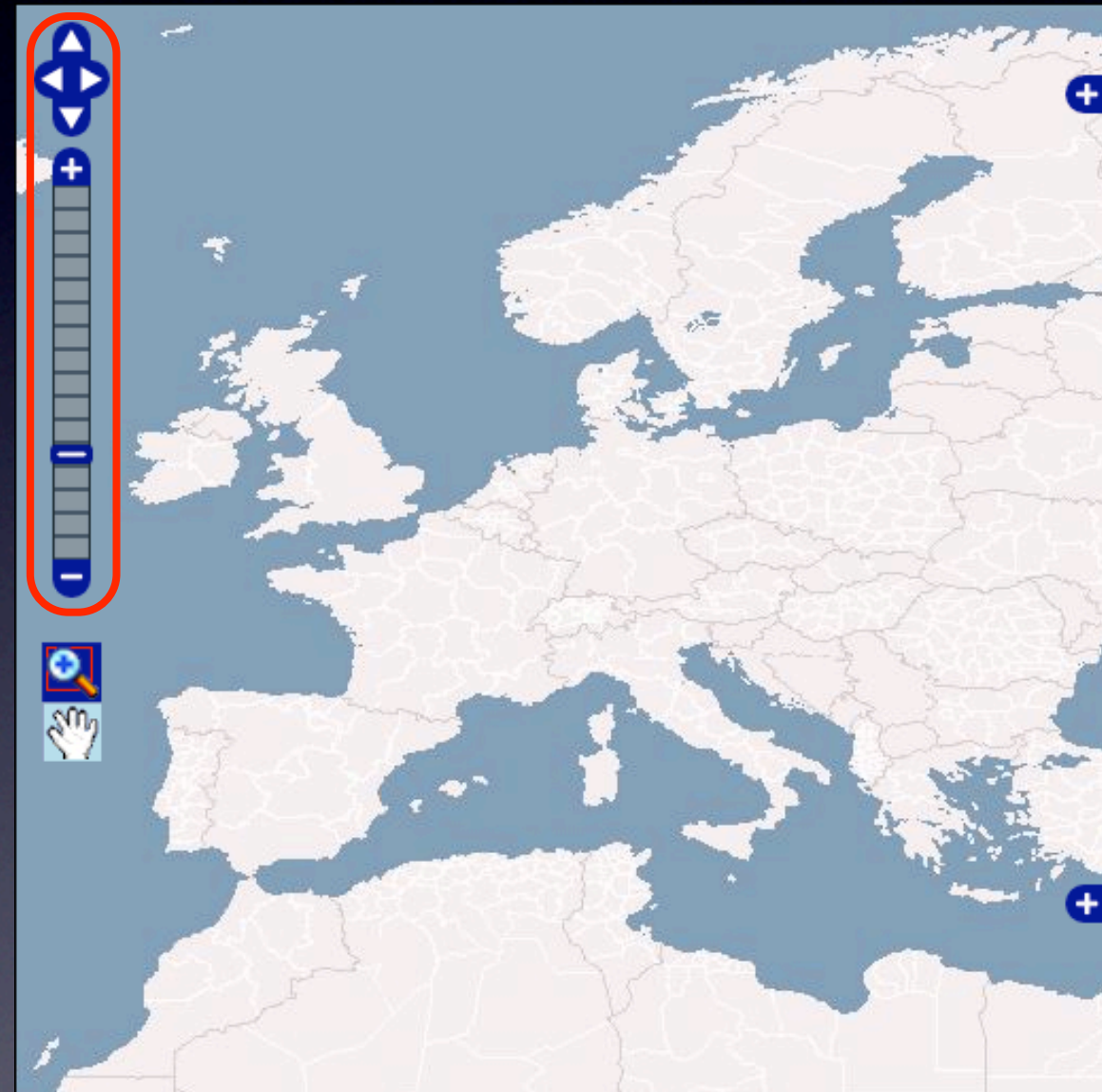
Die Standardkomponenten



Einführung

Die Standardkomponenten

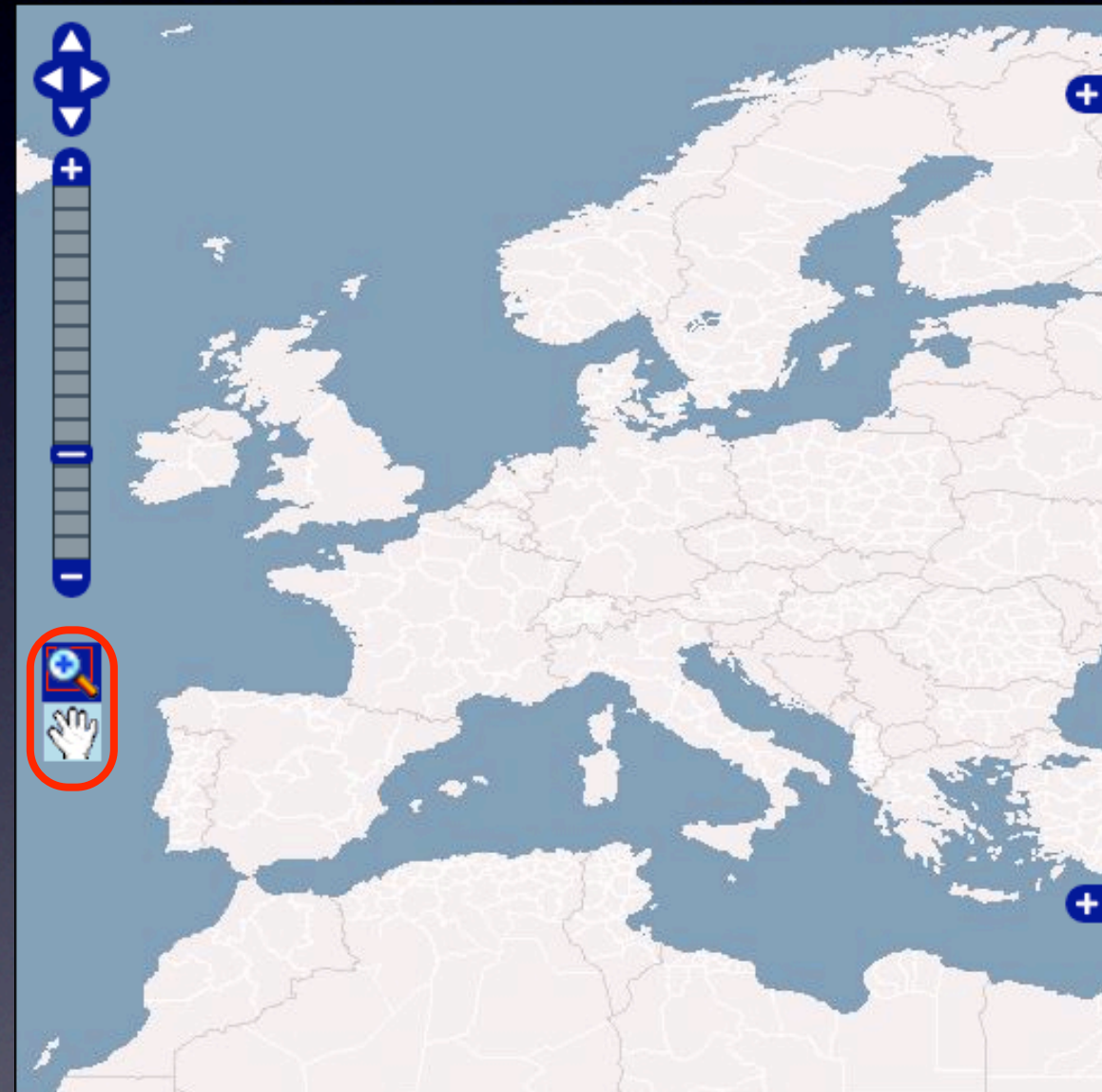
Pan-Zoom-Navigationsleiste



Einführung

Die Standardkomponenten

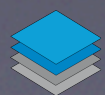
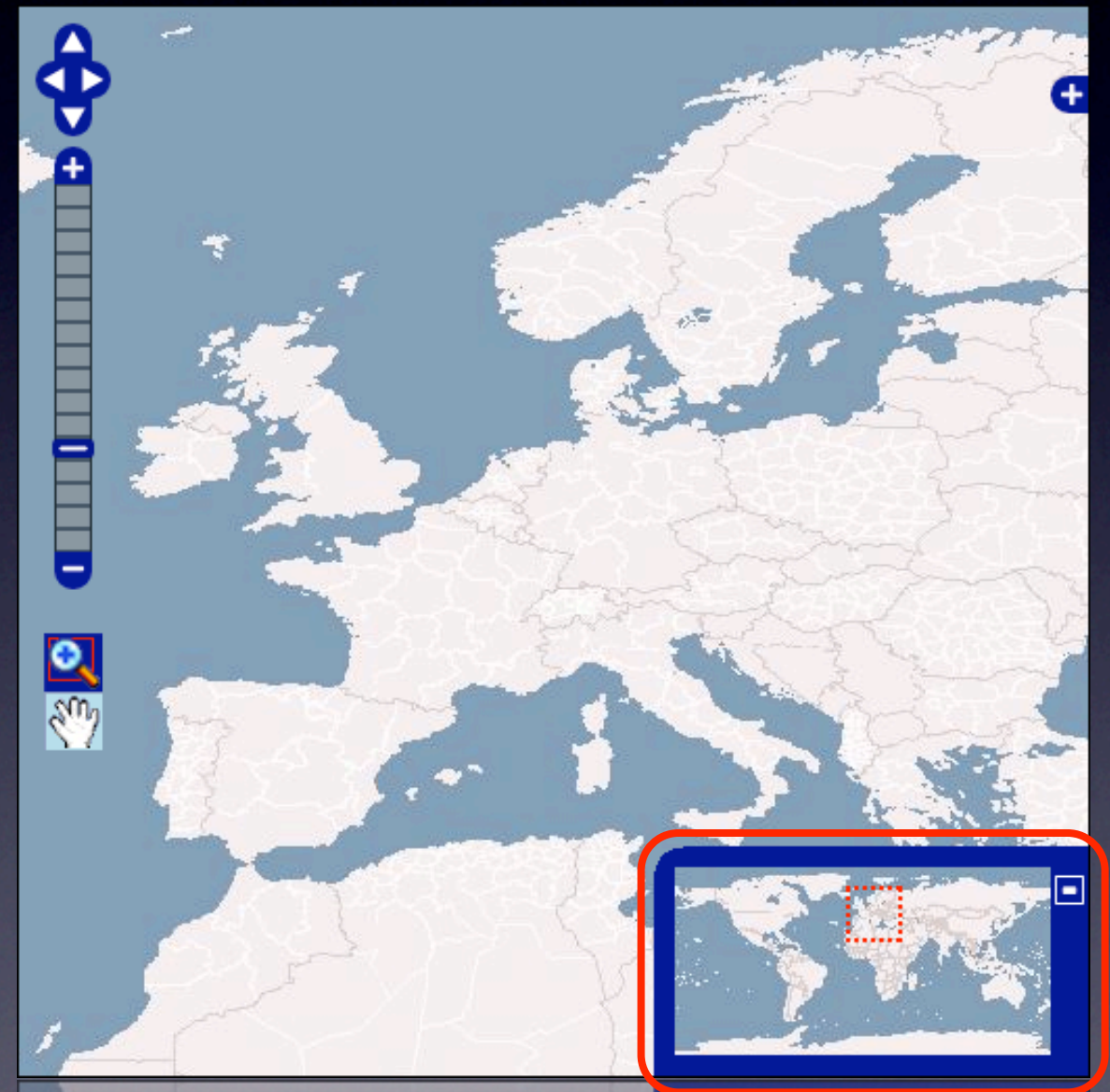
Werkzeugleiste



Einführung

Die Standardkomponenten

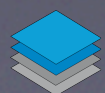
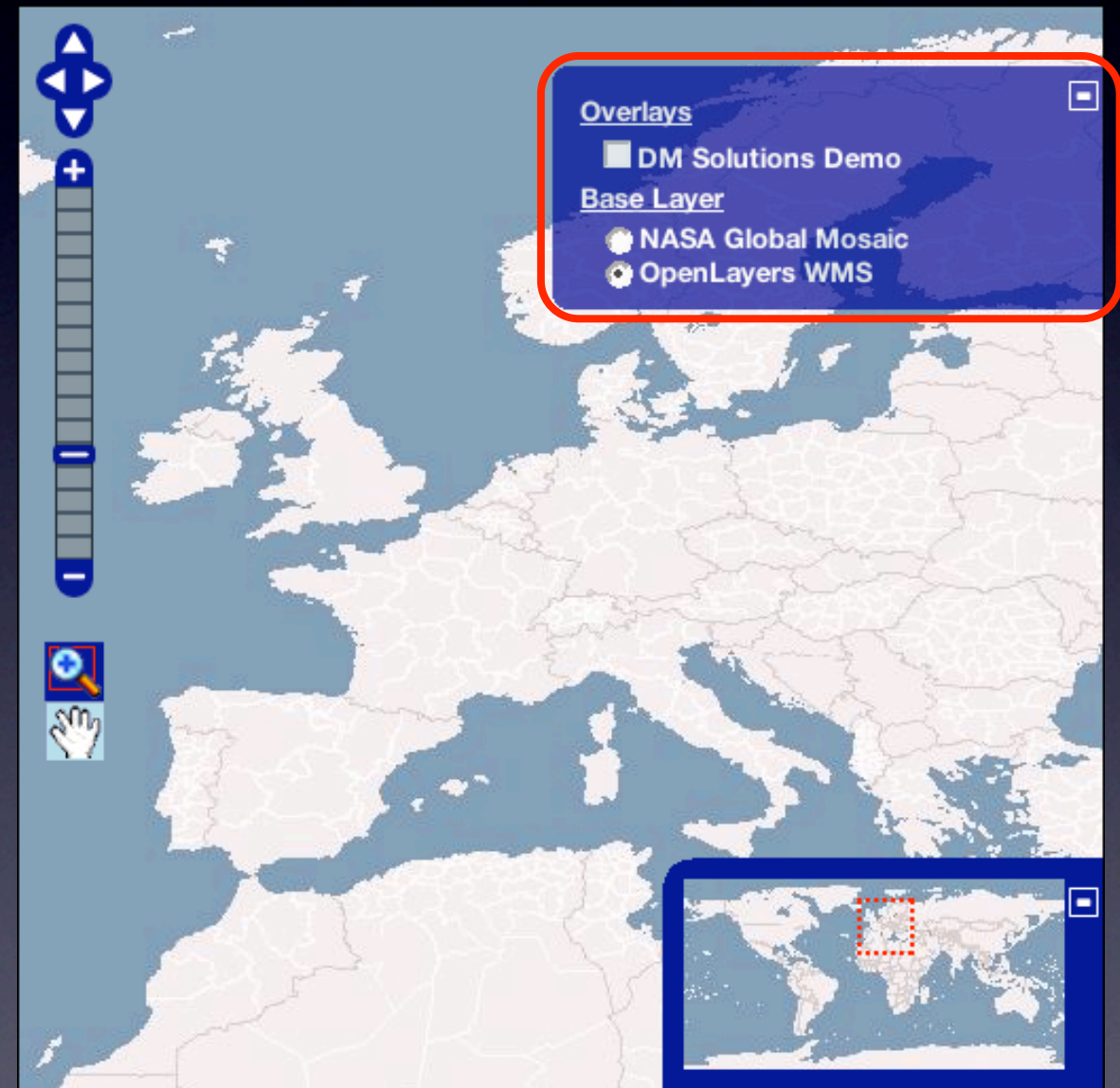
Übersichtskarte



Einführung

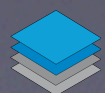
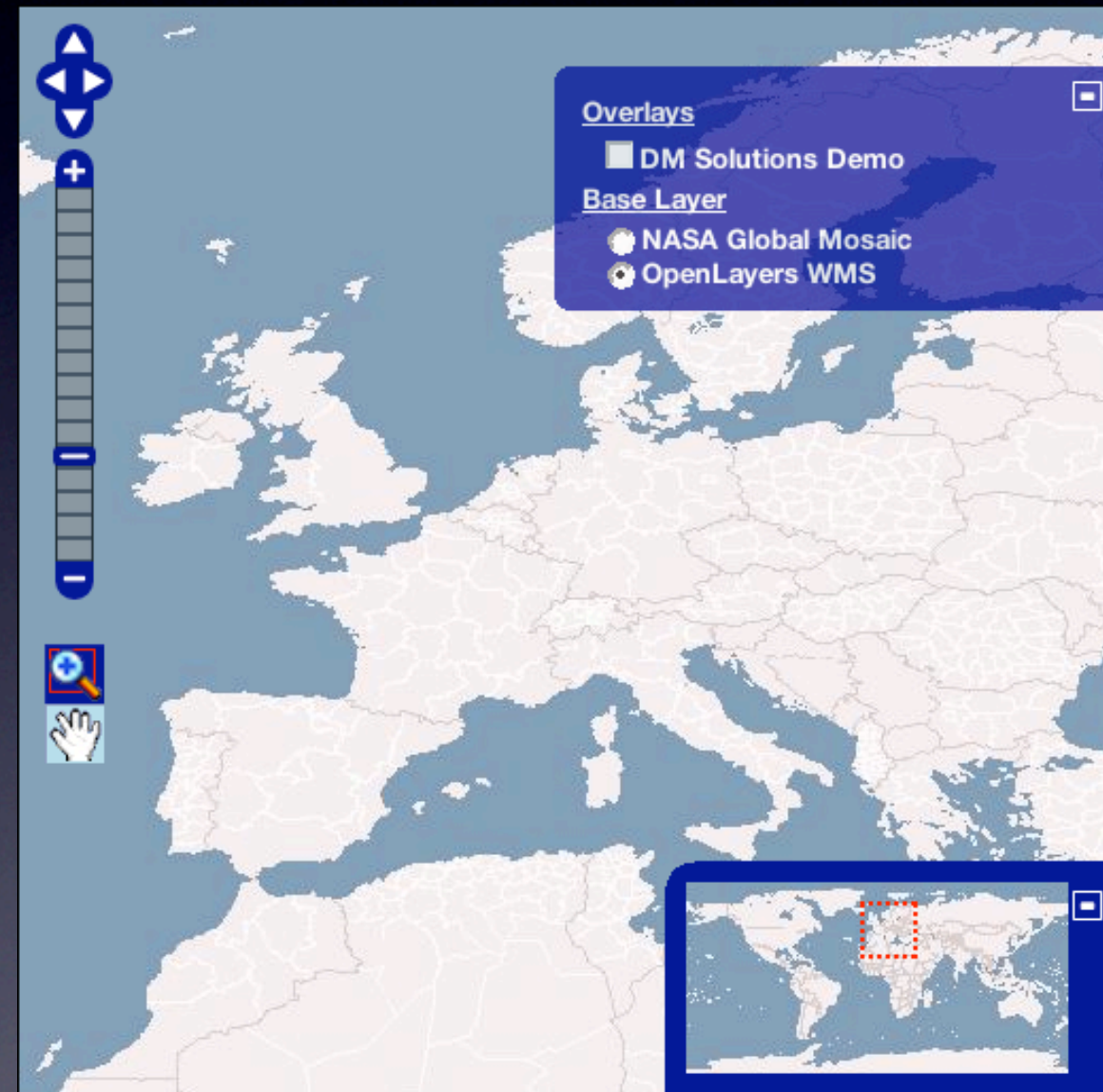
Die Standardkomponenten

Ebenenübersicht



Einführung

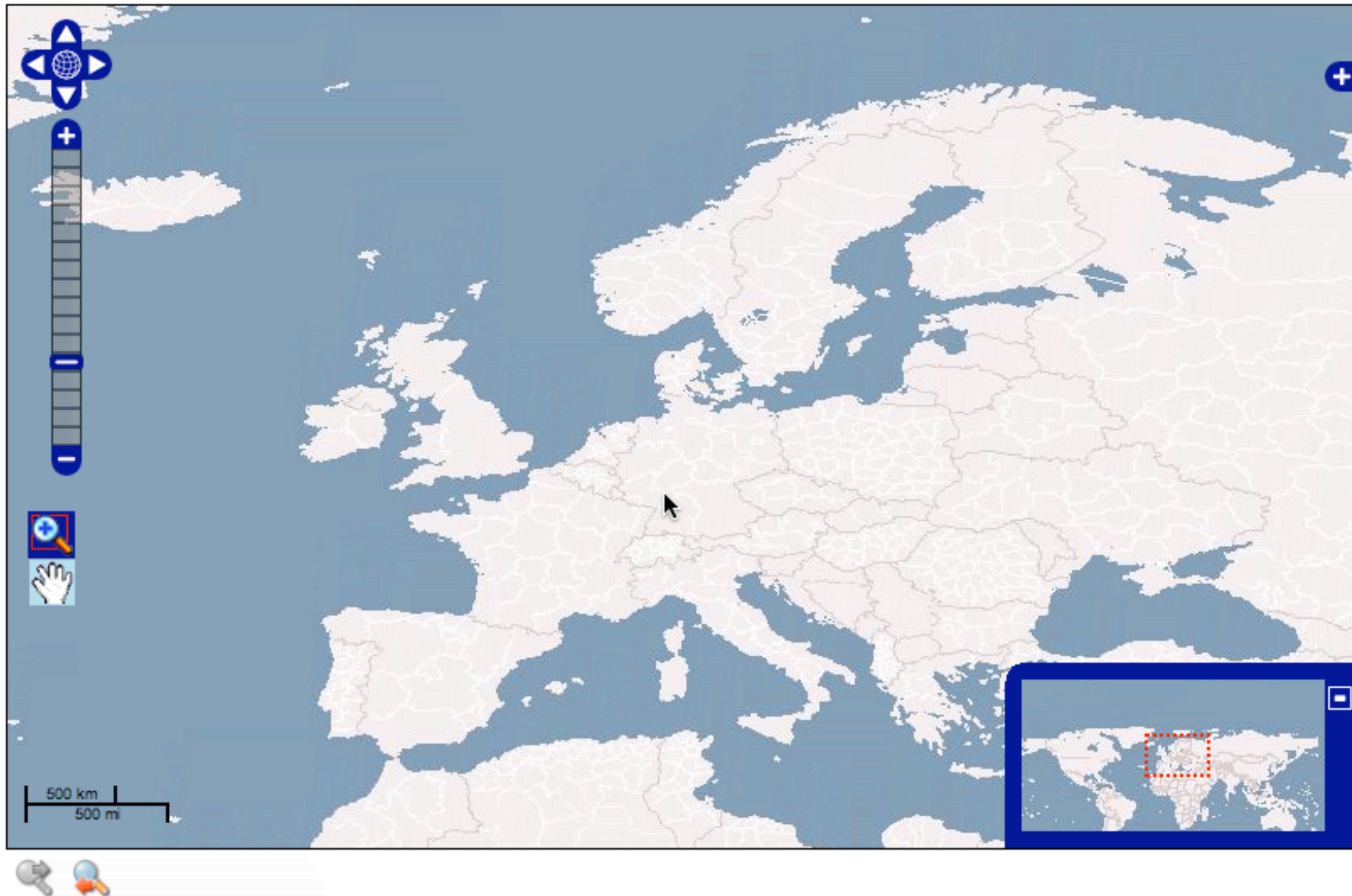
Die Standardkomponenten



Demos

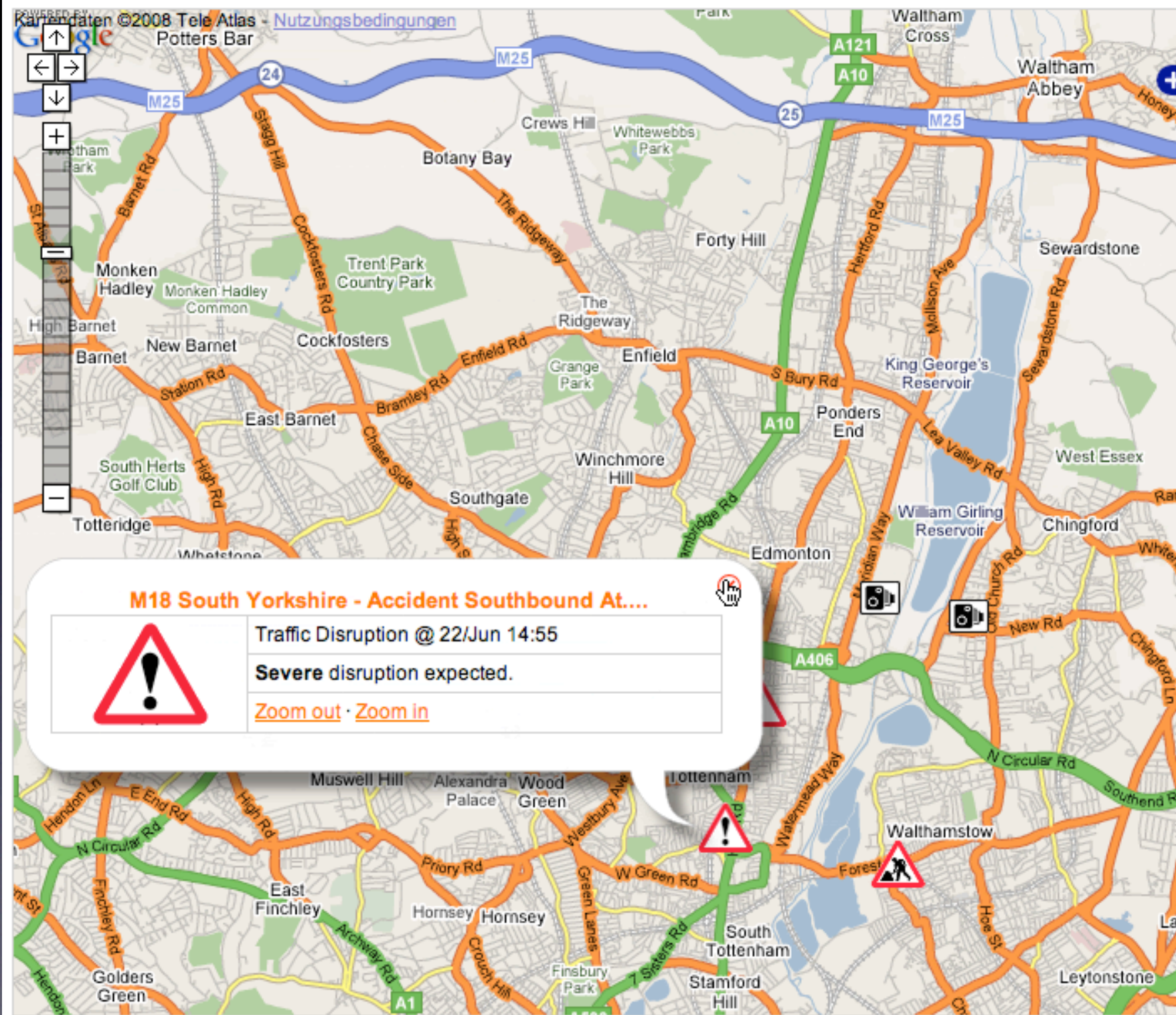
Demo 1: Navigations-Features

OpenLayers Map Controls Example

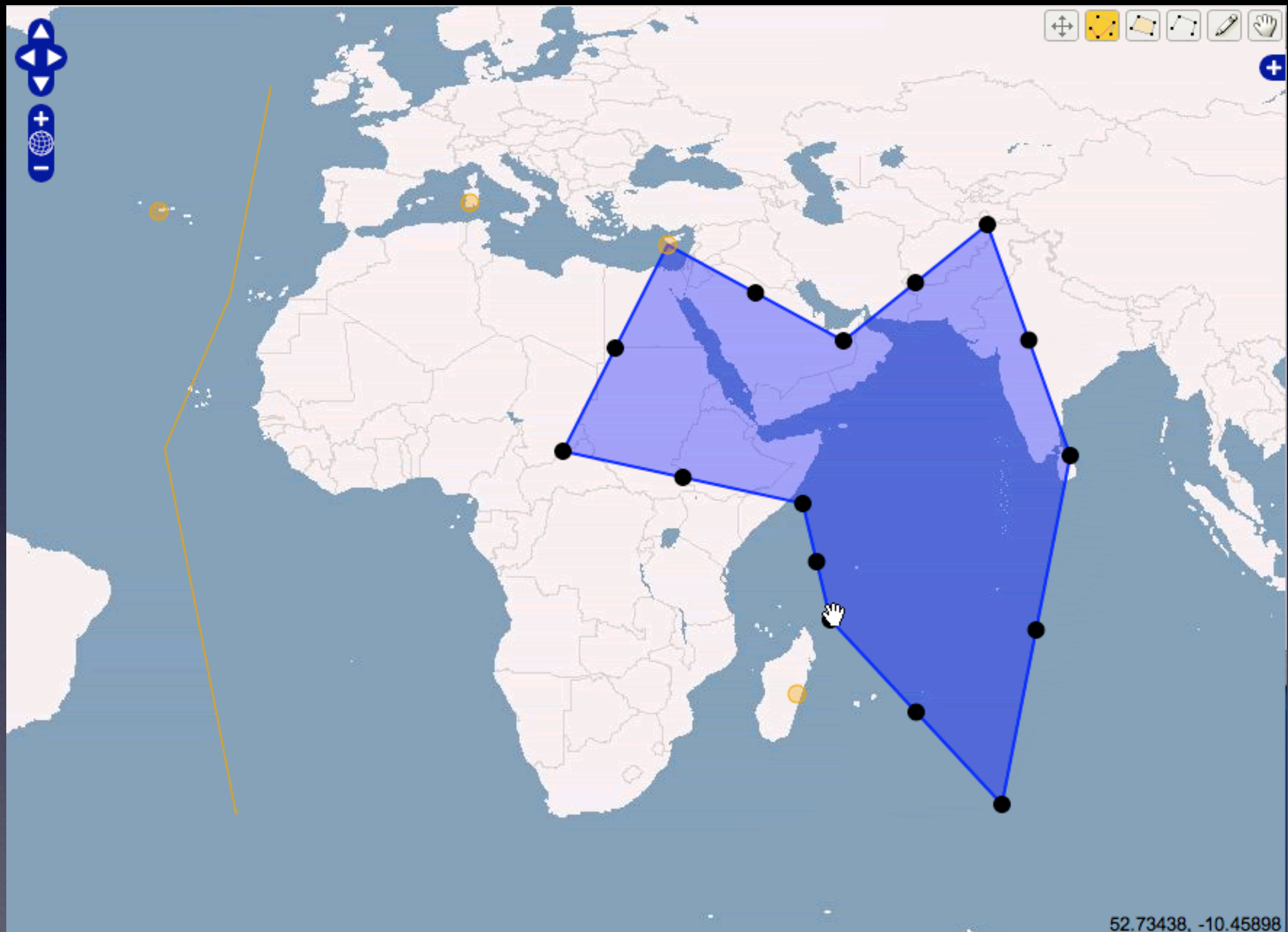


Demo 2: Markers & Popups

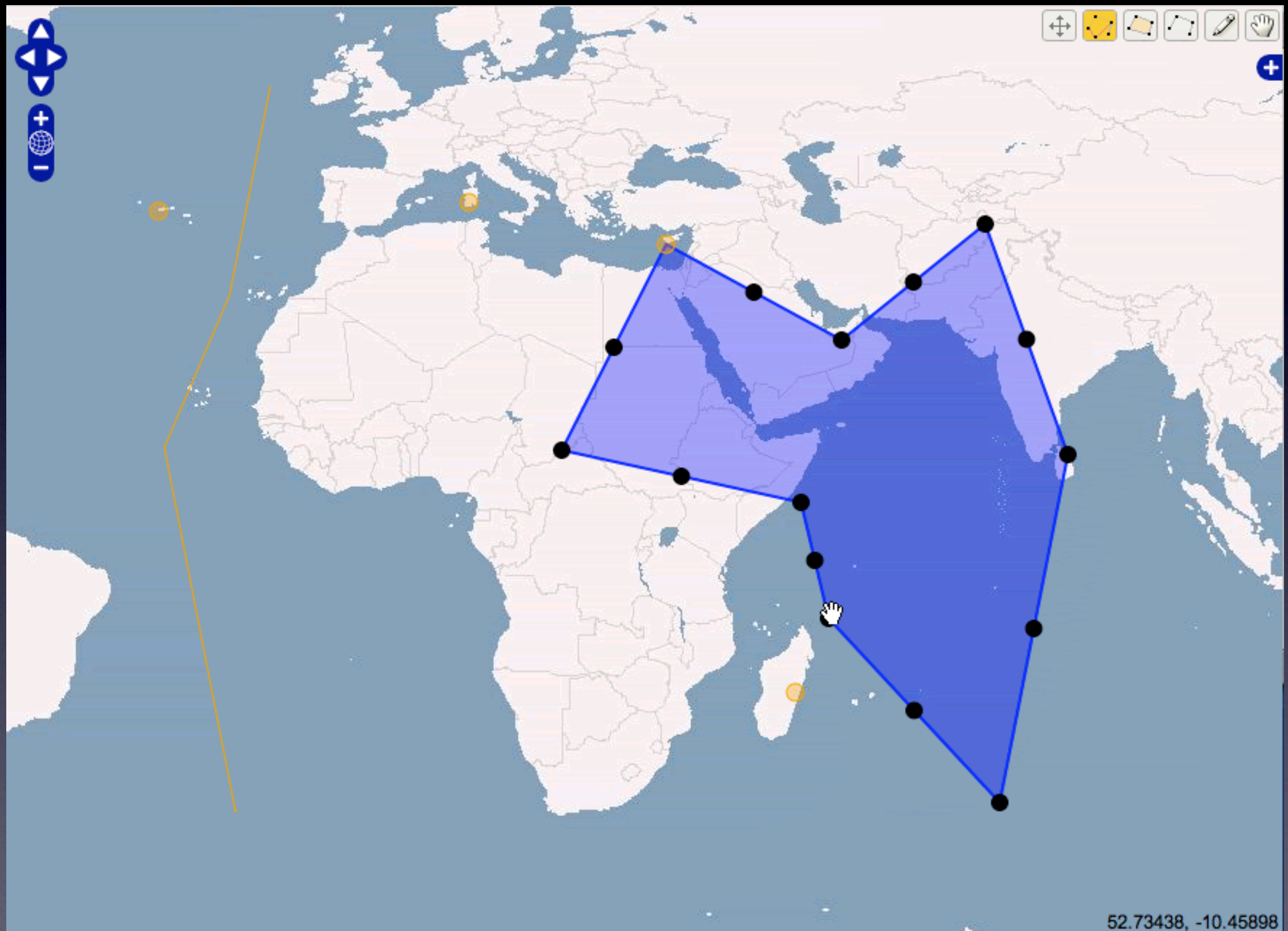
Google Style Popups on Open Layers



Demo 3: **Vektor** Features

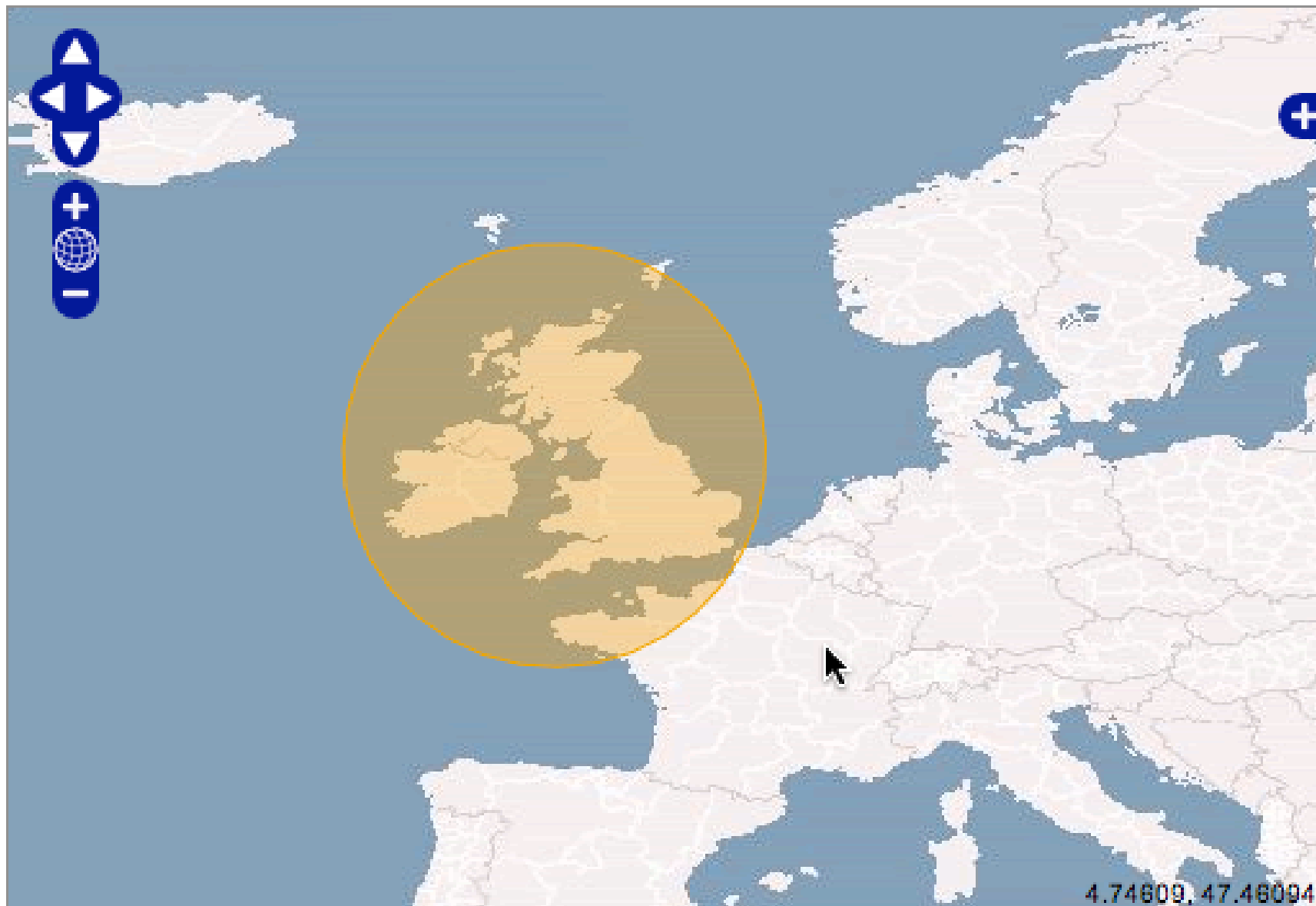






Demo 3: **Vektor** Features



Demo 4: **Messwerkzeug** (BETA)

OpenLayers Measure Example



-  navigate
-  draw line
-  draw polygon
-  draw circle

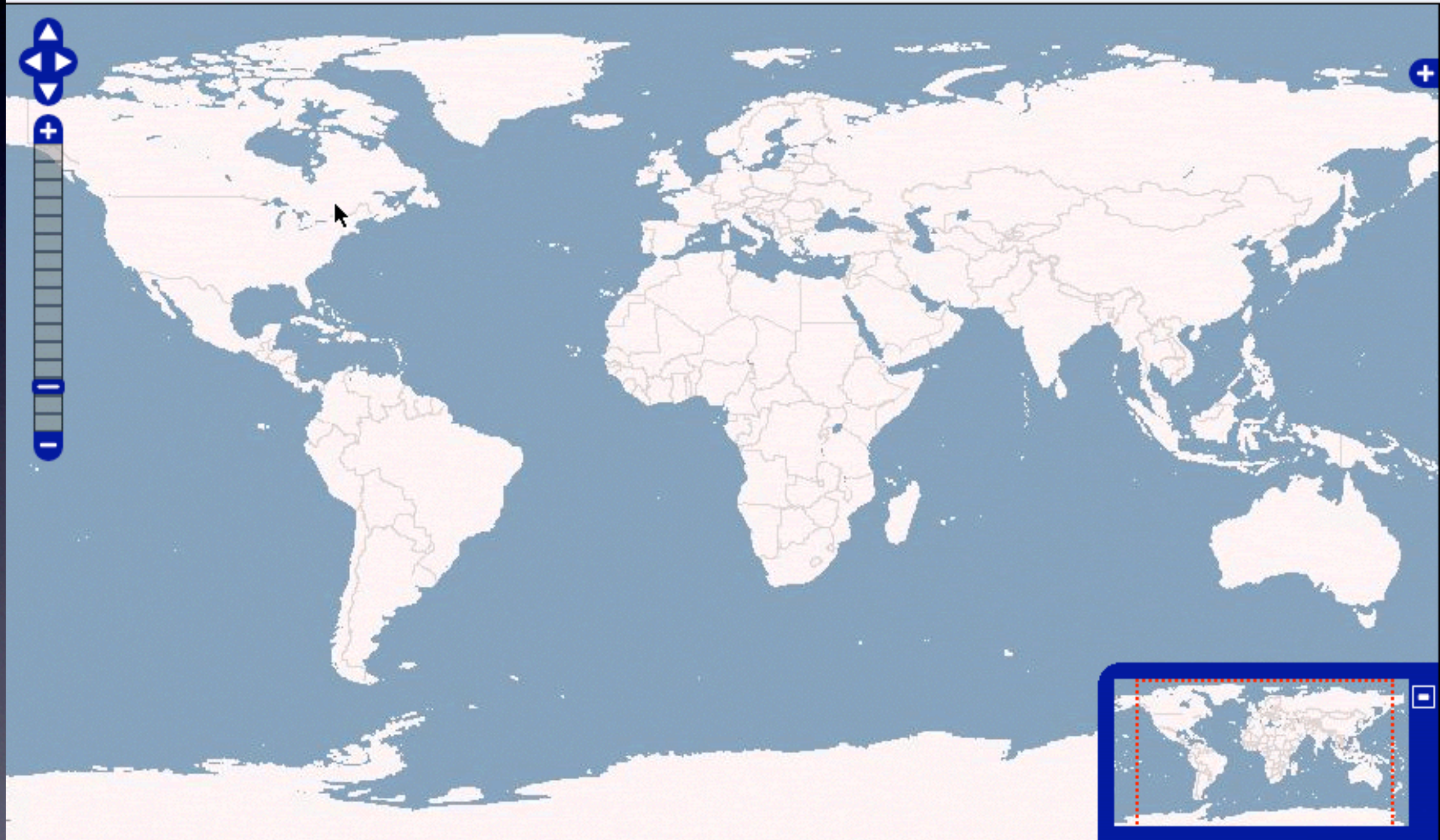
perimeter: 5043.323 km
area: 2018622.421 km²

Demo 5: **Animated zooming** (BETA)



OpenLayers

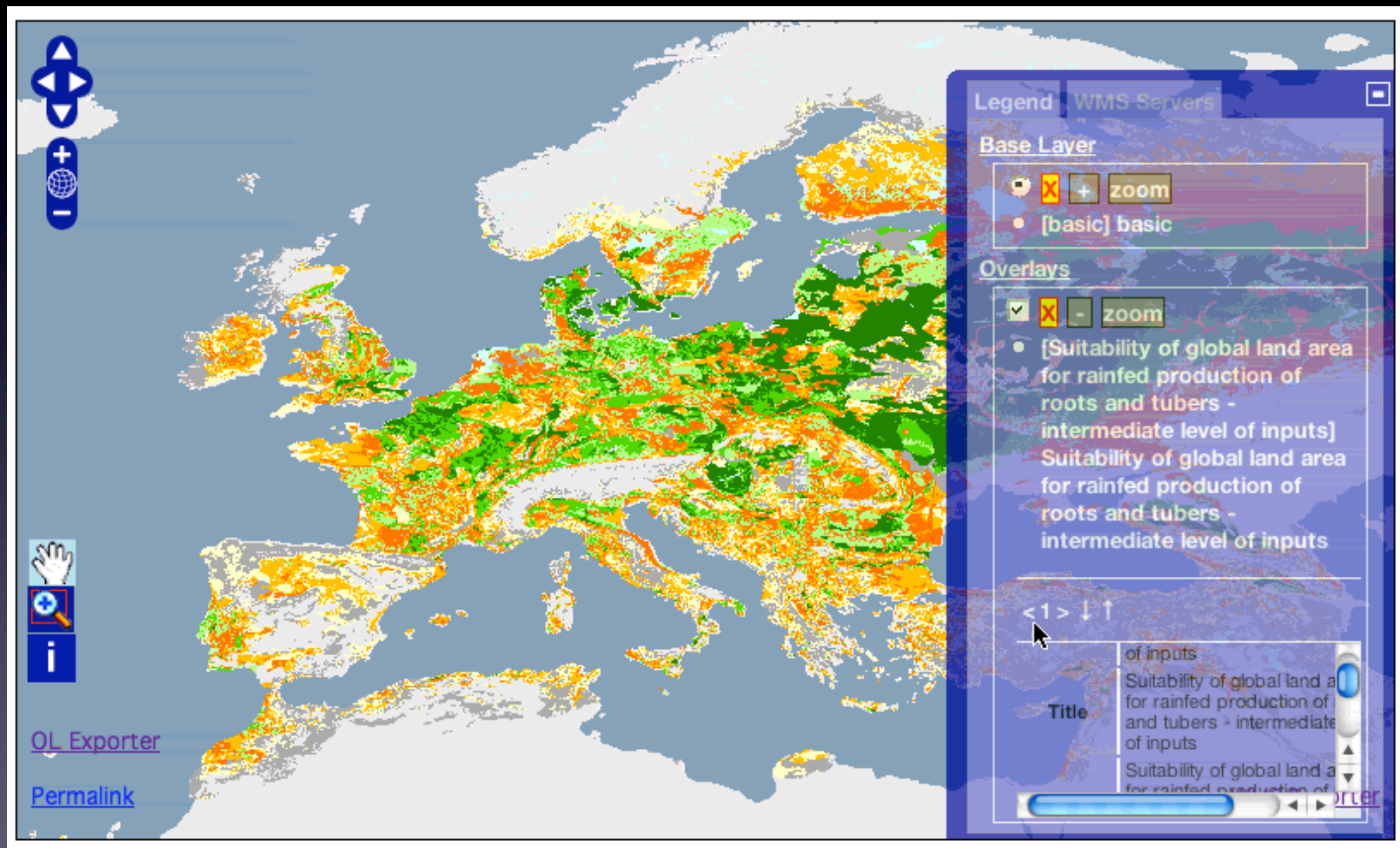
Demo with animated zooming and panning



animated zooming feature by [Emanuel Schütze, Intevation GmbH](#)

<http://dev.openlayers.org/sandbox/emanuel/animatedZooming/demo.html>

Demo 6: **WMS Manager** (BETA)



Anwendungsbeispiele

Bsp 1: Routing

The screenshot displays the mapmobility.com website interface for routing. On the left, the 'Search' section includes a dropdown menu for 'Points of Interest' with 'Tower' selected, and a list of results: 'C N Tower (Building)', 'Rogers Ctr CN Tower (Attraction)', 'Station 441 Training Tower (Fire Hall)', 'TV Tower (Attraction)', 'Water Tower Park (Municipal Park)', and 'Waterfowl Viewing Tower (Attraction)'. Below this is the 'Draw a Route' section, which includes instructions and a list of markers: 'C N Tower (Building)' and 'Custom Marker #1 (User defined marker)'. A 'Legend' section shows various road types: 'Expressway', 'Toll Expressway', 'Undivided expressway', and 'Interchange, Full / Partial'. The main map area shows the Greater Toronto Area, with a red dot marking the 'C N Tower' location in the center of Toronto. A yellow line indicates a route starting from the tower and heading north towards Richmond Hill. The map includes labels for various cities and towns, as well as major roads and highways. A scale bar at the bottom left indicates distances in kilometers and miles. The website's logo and copyright information are visible at the bottom.

mapmobility.com corp.

Search

Search for Points of Interest

Tower

Search

clear

C N Tower (Building)

Rogers Ctr CN Tower (Attraction)

Station 441 Training Tower (Fire Hall)

TV Tower (Attraction)

Water Tower Park (Municipal Park)

Waterfowl Viewing Tower (Attraction)

Draw a Route

Click a point on the map and add it to your route by clicking the "Add to route" link in the popup bubble. Add custom points to your map and route by selecting the push pin in the map margin and placing it on the map.

C N Tower (Building)

Custom Marker #1 (User defined marker)

Legend

Transportation

Expressway

Toll Expressway

Undivided expressway

Interchange, Full / Partial

You are viewing Toronto & Area - 2008

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show page numbers

Map of the Greater Toronto Area showing a route from the CN Tower to Richmond Hill. The route is highlighted in yellow. The map includes labels for various cities and towns, as well as major roads and highways. A scale bar at the bottom left indicates distances in kilometers and miles. The website's logo and copyright information are visible at the bottom.

Bsp 2: GeoServer

The screenshot displays the GeoServer web application interface. On the left, there are navigation controls including a compass and a zoom slider. The main area shows a map of Europe with several colored pins: blue for 'Evaluating GeoServer', green for 'Using GeoServer', red for 'GeoServer Developer', and orange for 'GeoServer Committer'. A modal window titled 'Editing your name' is open, containing fields for Name, Email, About, Organization, Country, and Website, along with 'SAVE' and 'Cancel' buttons. On the right, a sidebar titled 'Add a note' provides instructions and a legend for the map pins.

Bsp 3: OpenStreetMap

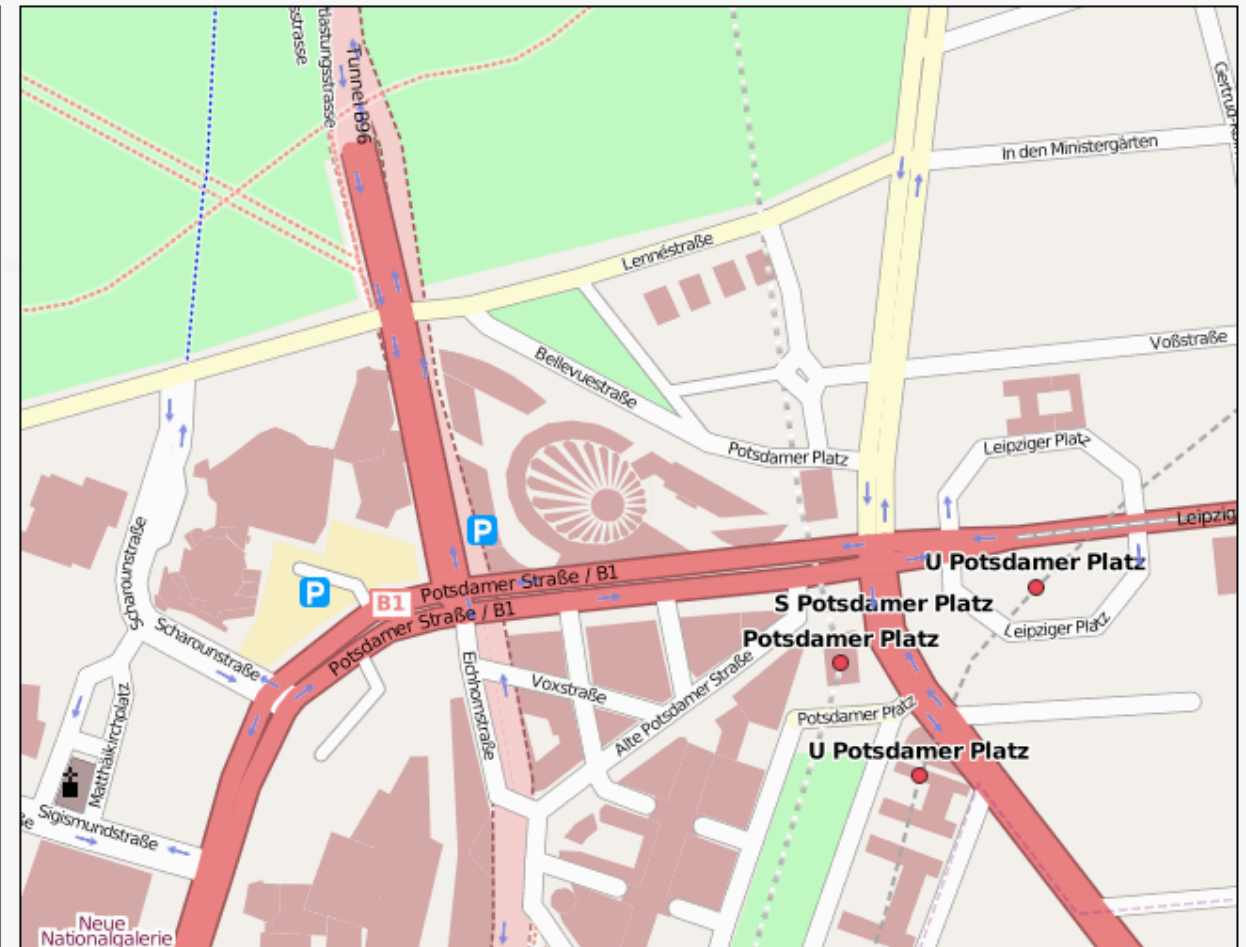
Comparing Maps

[About these maps](#)

Choose map type: Google (Map)



Choose map type: OSM Mapnik



[Permalink](#) (lat=52.5099919 lon=13.3737409 z=16)

[Permalink with tile numbers](#) (x=35203 y=21496 z=16)



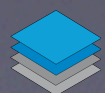
OpenStreetMap maps are licensed under the Creative Commons CC-BY-SA license.

Copyright 2007 by Jochen Topf - [Contact/Impressum](#)

Zusammenfassung

Bisherige Features

- ✓ Kachelung (Tiling)
- ✓ WFS-T
- ✓ Unittests
- ✓ Modulares Bauen der OL-Bibliothek (lite-Version)
- ✓ ... u.v.m.

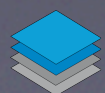


Zusammenfassung

Features ab Version 2.6

- ✓ Popups im Google Style
- ✓ Maßstabsbalken
- ✓ ZoomHistory
- ✓ Deutsche Übersetzung
- ✓ Ein/ausschaltbarer ZoomReset-Button (Weltkugel)
- ✓ WMC

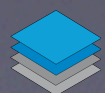
+ 300 weitere Verbesserungen



Zusammenfassung

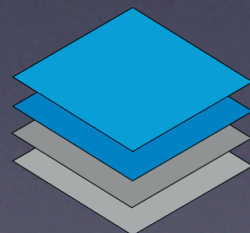
Zukünftige Features

- ✓ Pfad- und Flächenmesswerkzeug
- ✓ WMS Manager
- ✓ verbesserte Popups
- ✓ Animierte Übergänge
- ✓ Integration in *ka-Map*, *Mapbender*, *Mapbuilder*, *CartoWeb*



Weitere Informationen

- ◎ <http://openlayers.org>
- ◎ <http://smartmapbrowsing.org>
Diplomarbeit von Emanuel Schütze
- ◎ emanuel.schuetze@intevation.de



OpenLayers™