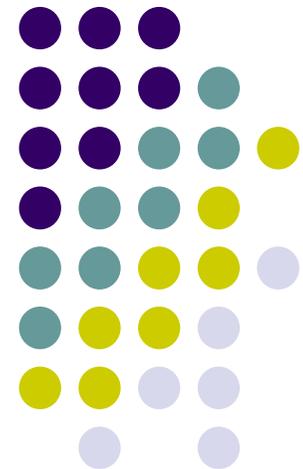
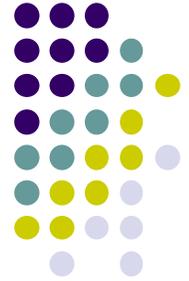


# GEONETCast: Web Service Infrastructure

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Winter Semester 2009/10  
ifgi, University of Münster  
Denise Paradowski & Lena Wickenkamp



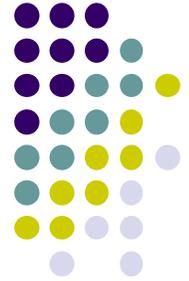


# Introduction

## Fields of work

- GEONETCast Data Management
- derive information products from the GEONETCast data stream
- showcase both the value of the content and the value of the web service infrastructure by developing a GEONETCast application
- set up the basic building blocks for a local SDI

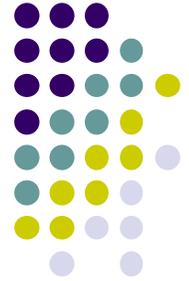
# Goals



## Web GIS

- visualize the results of other groups (WMS)
- easy to use
- offer typical web GIS functionalities
- provide the possibility to load external WMS into the web GIS

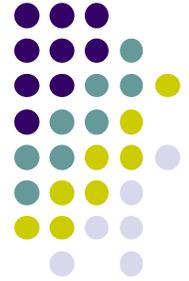
# Goals



## Web GIS: Showcase

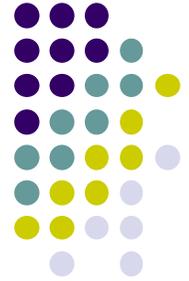
- visualization of the Fire Web Service
  - display the current possible and probable fires in the world

# Goals



## Geoserver

- set up a geoserver
- offer other groups the possibility to set up own web services
- offer other groups to set up web services for them
- provide local SDI to other institutes



# Technical Approach

## Free Software

- for the web GIS

**Mapbender**  
Geoportal Framework

- for setting up WMS

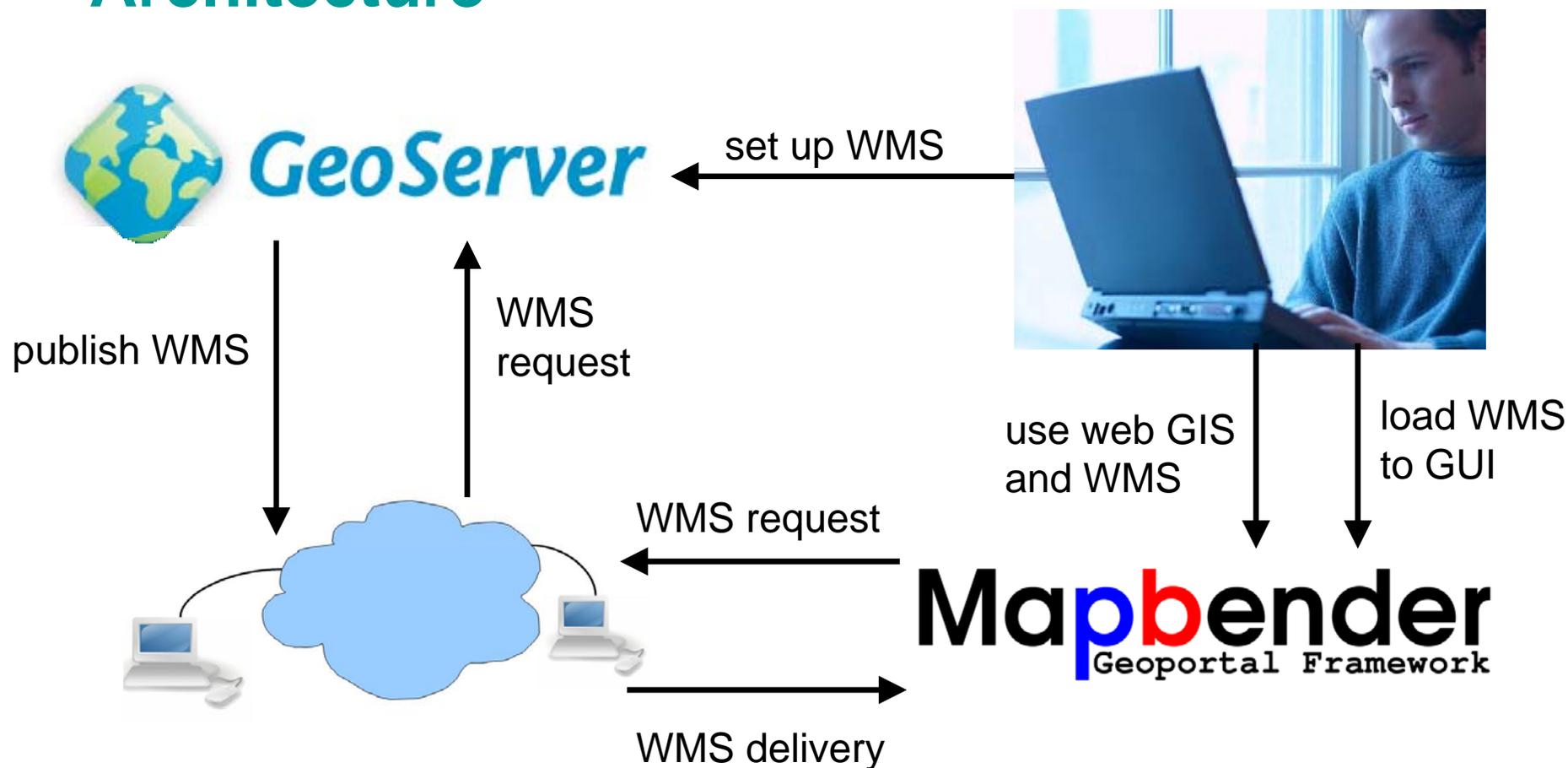


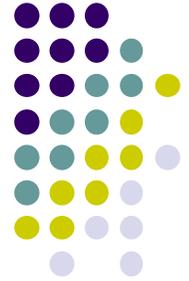
**GeoServer**



# Technical Approach

## Architecture





# Methodological Approach

**WP 1: Project Management**

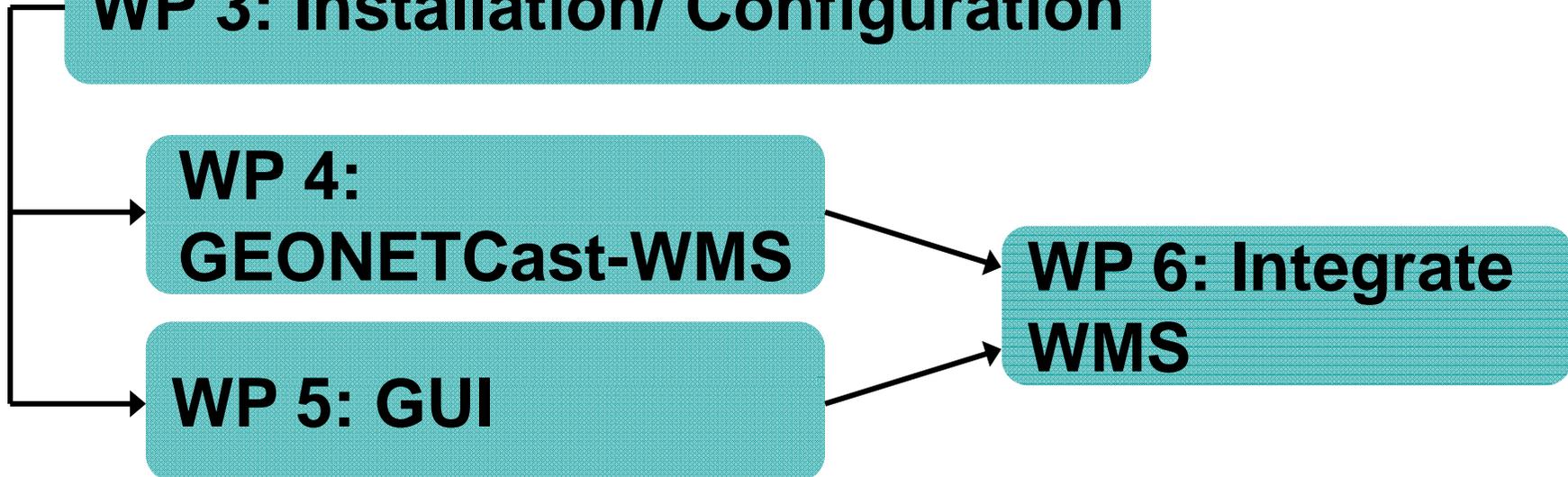
**WP 2: Reports, Documentations  
and Presentations**

**WP 3: Installation/ Configuration**

**WP 4:  
GEONETCast-WMS**

**WP 5: GUI**

**WP 6: Integrate  
WMS**



# Results



(DE) Logged in as admin. (DE) Logout

Welcome



(DE) Logged in as admin. (DE) Logout

Layer Preview

- (DE) Server
  - (DE) Status
  - (DE) Contact
  - (DE) Global Settings
  - (DE) JAI Settings
  - (DE) About GeoServer
- (DE) Services
  - WMS
  - WFS
  - WCS
- (DE) Data
  - Stil Manager
  - (DE) Workspaces
  - (DE) Stores
  - (DE) Layers
  - (DE) Layer Groups
- (DE) Demos
  - Layer Preview



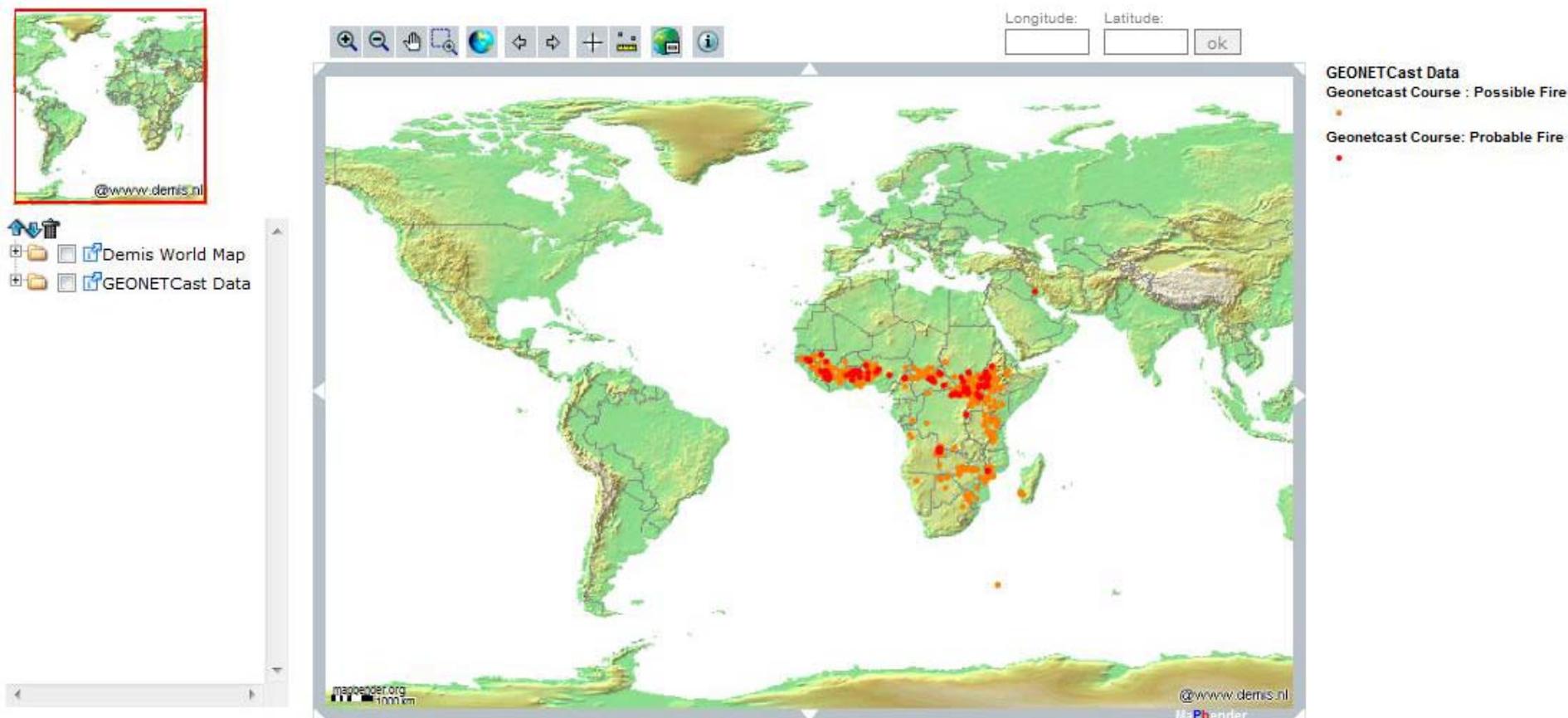
Scale = 1 : 38M  
Click on the map to get feature info

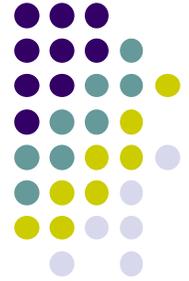
33.13743, 5.56259

# Results



**FireMap** showing possible and probable fires





# Possible Enhancements

- also enable search for features in Mapbender
- problem: would not make sense for the data we used
- possibility of an automatic registration for students and employees to the services

Thank you for

your attention!

Winter Semester 2009/10  
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