The UN-SPIDER-World

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What is UN-SPIDER-World?

- Map-based gateway to the contents of the Knowledge Portal
  - Allows easy access to the content for a specific region
  - Includes filtering-capabilities
  - Embedable into specific parts of the Knowledge portal (e.g. RSOs, news)
The map

- Clustering of points when they are too close to each other
- Popups display information about the items on the map

Popup for a cluster of multiple items
The map

- Detailed information about an item
- Link to associated page and items with the same tag
Filtering by:
- Content-type
- Keyword
- Date

e.g. in this case: „news“ on „floods“ from last year
Origin of UN-SPIDER-World

• Original Version developed as „Visual Globe“ by Brian Tomaszewski of RIT (Rochester Institute of Technology) and Team

• Based on Adobe Flex and Google-Earth-Javascript-API
Redevelopment

• Reasons:
  – Problems with the Visual-Globe-beta
  – Adobe Flex technology requires Flash-plugin

• Advantages of the new version:
  – HTML5-conformity by using only Javascript-based frameworks
  – Only Open-Source frameworks were used
Frameworks used in UN-SPIDER-World

• OpenLayers: established mapping-API with a wide range of features
• Ext-JS: Framework for web-applications (mainly used for interface and the logic behind it)
• GeoEXT: Framework that acts as interface between Ext-JS and OpenLayers
How does the application work?

UN-SPIDER CMS (drupal)

- Creates GeoRSS of all georeferenced items in the database

GeoRSS-File

Server-side

UN-SPIDER-World application

- loads GeoRSS from the server
- Displays items on the map

Client-side

GeoRSS = standardized XML-based format for exchanging georeferenced items
• Embedding into further parts of the Knowledge Portal
  – Space-Application-Matrix: Case studies with georeference
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