WMS Inspector: a Firefox add-on with tools for working with Web Map Services

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Thanks to http://www.geodata.es
Overview

- Introduction
- Features
- Live(?) use cases
- Future
- Project
What is it?

- Firefox extension

- Set of existing and new functionalities for users who work with Web Map Services

- Both frequent and occasional users
Origin

- Check which services are used
- Debug failing requests
- Check GetCapabilities responses
- ...

WMS
Origin

- Developers: help with frequent tasks
- Non-developers: not familiar with concepts like clients, services, capabilities...

Tool to ease common tasks + provide a friendly approach to WMS
Why a Firefox add-on?

- Integrated in one of the most popular browsers for developers
  - Companion of Firebug, HttpFox, ...
  - Privileged environment
  - CSS + Javascript + XUL + XPCOM

```xul
<box id="main">
  <button label="Test" oncommand="test()"/>
</box>
```

```js
function test(){ alert("Hi!"); } 
```
Why a Firefox add-on?

- Addons.mozilla.org
  http://addons.mozilla.org/addon/91406
Features: Main panel

- Services
- Requests
- Parameters
- Images
- Messages
Features: Capabilities

- HTML report (XSLT)
- Original XML
Features: Library

- Export / Import
- Easy access
Use case 1

Introducing the WMS on web clients to new users

- Users with a cartographic background
- Developers without a geospatial background
Use case 2

Finding suitable services for a new project

- Check possible candidates' capabilities
- Keep record of interesting services
- Share findings with other team members
Future: General lines

1. Support for other mapping services: TMS, WMTS, OSM, ...
   WMS Inspector -> OWS Inspector?

2. Better UI and New features
   (Keeping it simple)

3. User customization

Feedback wanted!
Future: Possible features

- Embedded light map viewer
Future: Possible features

- User defined actions

```javascript
wms = new OpenLayers.Layer.WMS(
  "WMS Inspector - {Layers}",
  "{Service}",
  {
    layers: "{Layers}",
    srs: "{SRS}",
    format: "{Format}",
  },
  {
    buffer: 0,
  });
```
Future: Possible features

- Automatic mode
- Customizable HTML reports
- Library integrated services search
- ???

Feedback wanted!
Project

- Download
  http://addons.mozilla.org/addon/91406

- Support
  wmsinspector@freelists.org
  http://www.freelists.org/list/wmsinspector

- Documentation (TODO)
  http://github.com/amercader/WMS-Inspector/wiki
Project

- Source code (GPLv3)
  http://github.com/amercader/WMS-Inspector

- Translations
  http://www.babelzilla.org
  Current translations: en, es, ca, pt-BR, fr, pl, zn-CH
Thank you

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