

OpenAtlas - Feature #1109

Sustainable web map services

2019-12-05 15:54 - Stefan Eichert

Status:	Closed	Start date:	2019-12-05
Priority:	Low	Estimated time:	0.00 hour
Assignee:	Stefan Eichert		
Category:	Maps		
Target version:	6.0.0		

Description

Evaluate WMS or similar map providers without restrictions of requests

from leaflet providers plugin:

<https://github.com/leaflet-extras/leaflet-providers>

Some examples without the need of an API key (However, we should check if they track the requests due to legal issues, cookies etc.):

```
var OpenStreetMap_Mapnik = L.tileLayer('https://{s}.tile.openstreetmap.org/{z}/{x}/{y}.png', {
  maxZoom: 19,
  attribution: '
&copy; <a href="https://www.openstreetmap.org/copyright">OpenStreetMap</a> contributors'
});
```

```
var OpenStreetMap_HOT = L.tileLayer('https://{s}.tile.openstreetmap.fr/hot/{z}/{x}/{y}.png', {
  maxZoom: 19,
  attribution: '
&copy; <a href="https://www.openstreetmap.org/copyright">OpenStreetMap</a> contributors, Tiles sty
le by <a href="https://www.hotosm.org/" target="_blank">Humanitarian OpenStreetMap Team</a> hosted
by <a href="https://openstreetmap.fr/" target="_blank">OpenStreetMap France</a>'
});
```

```
var OpenTopoMap = L.tileLayer('https://{s}.tile.opentopomap.org/{z}/{x}/{y}.png', {
  maxZoom: 17,
  attribution: '
Map data: &copy; <a href="https://www.openstreetmap.org/copyright">OpenStreetMap</a> contributors,
<a href="http://viewfinderpanoramas.org">SRTM</a> | Map style: &copy; <a href="https://opentopoma
p.org">OpenTopoMap</a> (<a href="https://creativecommons.org/licenses/by-sa/3.0/">CC-BY-SA</a>)'
});
```

```
var Stadia_OSMBright = L.tileLayer('
https://tiles.stadiamaps.com/tiles/osm_bright/{z}/{x}/{y}{r}.png', {
  maxZoom: 20,
  attribution: '
&copy; <a href="https://stadiamaps.com/">Stadia Maps</a>, &copy; <a href="https://openmaptiles.org
/">OpenMapTiles</a> &copy; <a href="http://openstreetmap.org">OpenStreetMap</a> contributors'
});
```

```
var Stadia_Outdoors = L.tileLayer('https://tiles.stadiamaps.com/tiles/outdoors/{z}/{x}/{y}{r}.png'
, {
```

```

    maxZoom: 20,
    attribution: '
&copy; <a href="https://stadiamaps.com/">Stadia Maps</a>, &copy; <a href="https://openmaptiles.org/">OpenMapTiles</a> &copy; <a href="http://openstreetmap.org">OpenStreetMap</a> contributors'
});

var Stamen_Terrain = L.tileLayer('
https://stamen-tiles-{s}.a.ssl.fastly.net/terrain/{z}/{x}/{y}{r}.{ext}', {
    attribution: '
Map tiles by <a href="http://stamen.com">Stamen Design</a>, <a href="http://creativecommons.org/licenses/by/3.0">CC BY 3.0</a> &mdash; Map data &copy; <a href="https://www.openstreetmap.org/copyri
ght">OpenStreetMap</a> contributors',
    subdomains: 'abcd',
    minZoom: 0,
    maxZoom: 18,
    ext: 'png'
});

var Stamen_TerrainBackground = L.tileLayer('
https://stamen-tiles-{s}.a.ssl.fastly.net/terrain-background/{z}/{x}/{y}{r}.{ext}', {
    attribution: '
Map tiles by <a href="http://stamen.com">Stamen Design</a>, <a href="http://creativecommons.org/licenses/by/3.0">CC BY 3.0</a> &mdash; Map data &copy; <a href="https://www.openstreetmap.org/copyri
ght">OpenStreetMap</a> contributors',
    subdomains: 'abcd',
    minZoom: 0,
    maxZoom: 18,
    ext: 'png'
});

var Esri_WorldImagery = L.tileLayer('
https://server.arcgisonline.com/ArcGIS/rest/services/World_Imagery/MapServer/tile/{z}/{y}/{x}', {
    attribution: '
Tiles &copy; Esri &mdash; Source: Esri, i-cubed, USDA, USGS, AEX, GeoEye, Getmapping, Aerogrid, IG
N, IGP, UPR-EGP, and the GIS User Community'
});

```

History

#1 - 2020-05-18 17:02 - Stefan Eichert

- Description updated

#2 - 2021-02-18 16:43 - Alexander Watzinger

- Target version changed from Wishlist to 6.0.0

- Status changed from Assigned to Closed

- Subject changed from sustainable Web Map Services to Sustainable web map services

Many thanks to Stefan for finding and implementing sustainable web map services without the need for limited access tokens.