WhereGroup

Wie kommt der Schwimmbagger ins WebGIS?

WhereGroup

Wie kommt der Schwimmbagger ins WebGIS?

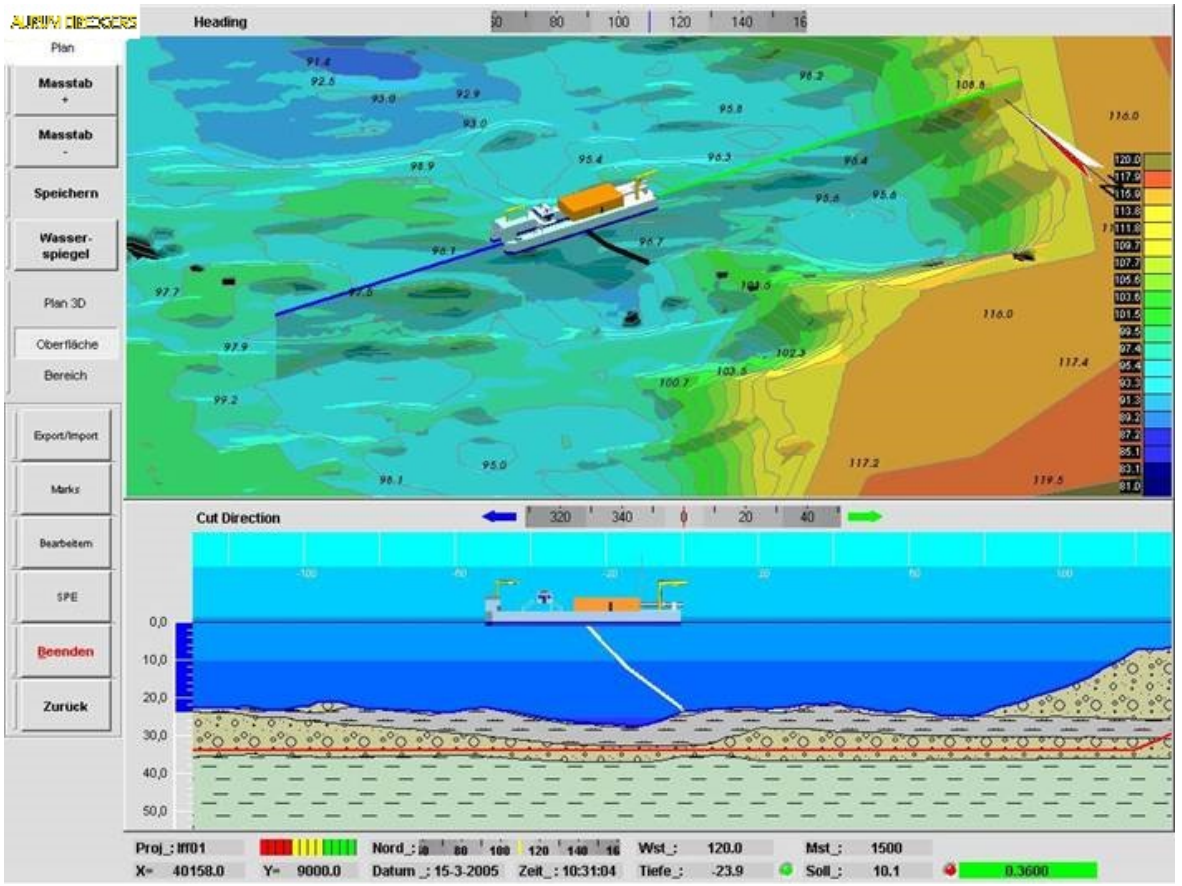
… und anderes cooles Zeug

WhereGroup

WhereGroup


Bestalis
ASUS

WhereGroup


Heading
Plan
Masstab +
Masstab -
Speichern
Wasser-spiegel
Plan 3D
Oberfläche
Bereich
Export/Import
Marks
Bearbeiten
SPE
Beenden
Zurück
Cut Direction
Proj_: lff01
X= 40158.0
Y= 9000.0
Datum_: 15-3-2005
Zeit_: 10:31:04
Tiefe_: -23.9
Wst_: 120.0
Soll_: 10.1
Mst_: 1500
0.3600

WhereGroup

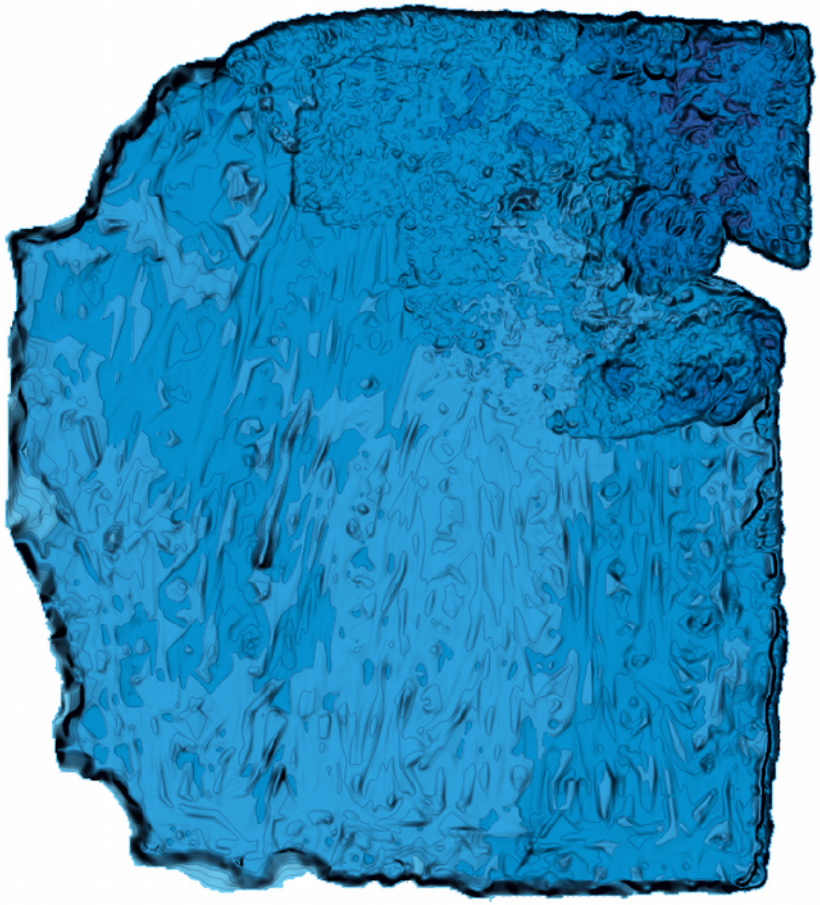
- regelmäßig / wöchentlich neue Daten

- automatischer Workflow zur Verarbeitung

- bishin zur Integration ins WebGIS

WhereGroup

4489708.65	5752716.37	50.40
4489709.65	5752716.37	50.34
4489710.65	5752716.37	50.32
4489711.65	5752716.37	50.33
4489712.65	5752716.37	50.34
4489713.65	5752716.37	50.33
4489714.65	5752716.37	50.37
4489716.65	5752716.37	50.47
4489717.65	5752716.37	50.47
4489718.65	5752716.37	50.49
4489719.65	5752716.37	50.53
4489720.65	5752716.37	50.57
4489721.65	5752716.37	50.57
4489722.65	5752716.37	50.56
4489723.65	5752716.37	50.59



WhereGroup

4489708.65	5752716.37	50.40
4489709.65	5752716.37	50.34
4489710.65	5752716.37	50.32
4489711.65	5752716.37	50.33
4489712.65	5752716.37	50.34
4489713.65	5752716.37	50.33
4489714.65	5752716.37	50.37
4489716.65	5752716.37	50.47
4489717.65	5752716.37	50.47
4489718.65	5752716.37	50.49
4489719.65	5752716.37	50.53
4489720.65	5752716.37	50.57
4489721.65	5752716.37	50.57
4489722.65	5752716.37	50.56
4489723.65	5752716.37	50.59

Bash-script mit gdal-Aufrufen

Isolinien.geo
Höhenschichten.geo
Schummerung.geo

Bash-script mit String-replace

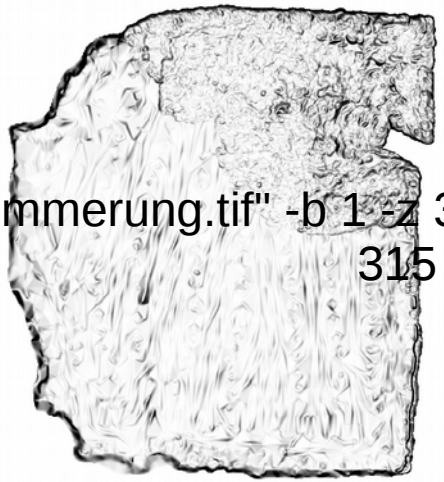
Web Map Service

WhereGroup

```
To generate a shaded relief map from any GDAL-supported elevation raster :
    gdaldem hillshade input_dem output_hillshade
                [-z ZFactor (default=1)] [-s scale* (default=1)]"
                [-az Azimuth (default=315)] [-alt Altitude (default=45)]
                [-alg ZevenbergenThorne] [-combined | -multidirectional]
                [-compute_edges] [-b Band (default=1)] [-of format] [-co "NAME=VALUE"]* [-q]
```

gdaldem hillshade see1.txt see1_schummerung.tif" -b 1 -z 3 -s 1 -az 315 -alt 85

gdaldem hillshade "$f" "${OUTPUT_PATH}${i##*/}/${f##*/}_schummerung.tif" -b 1 -z 3 -s 1 -az 315 -alt 85



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http://gdal.org/

GDAL

Main Page | Related Pages | Classes | Files | Download | Issue Tracker

GDAL - Geospatial Data Abstraction Library

Select language: [English][Russian][Portuguese][French/Francais]

GDAL is a translator library for raster and vector geospatial data formats that is released under an X/MIT style Open Source license by the Open Source Geospatial Foundation. As a library, it presents a **single raster abstract data model** and **single vector abstract data model** to the calling application for all supported formats. It also comes with a variety of useful command line utilities for data translation and processing. The NEWS page describes the November 2017 GDAL/OGR 2.2.3 release.

OSGeo Project

Traditionally GDAL used to design the raster part of the library, and OGR the vector part for Simple Features. Starting with GDAL 2.0, both sides have been more tightly integrated. You can still refer to the documentation of GDAL 1.X if needed.

Master: http://www.gdal.org
Download: http at download.osgeo.org

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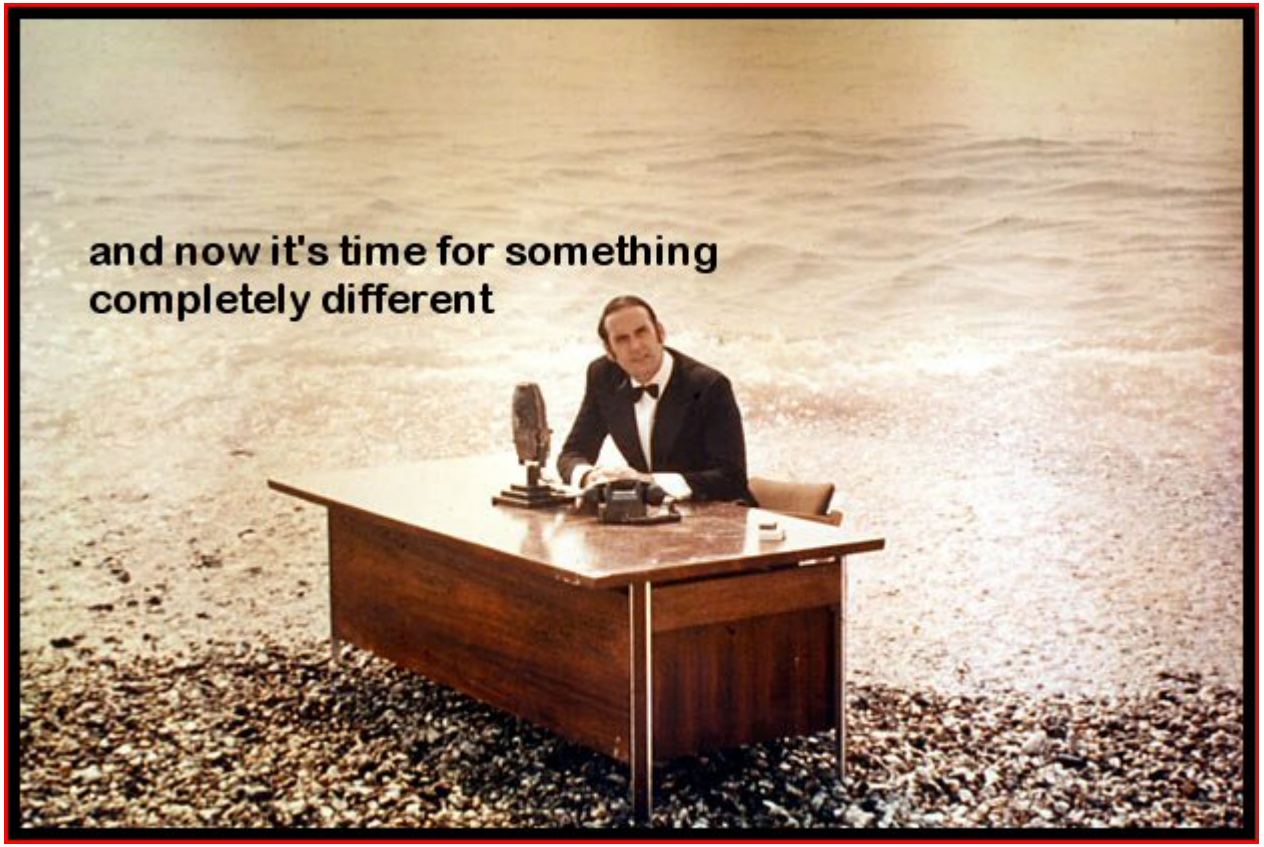
Demo


and now it's time for something
completely different

WhereGroup

Mapbender Suche auf Web Feature Service

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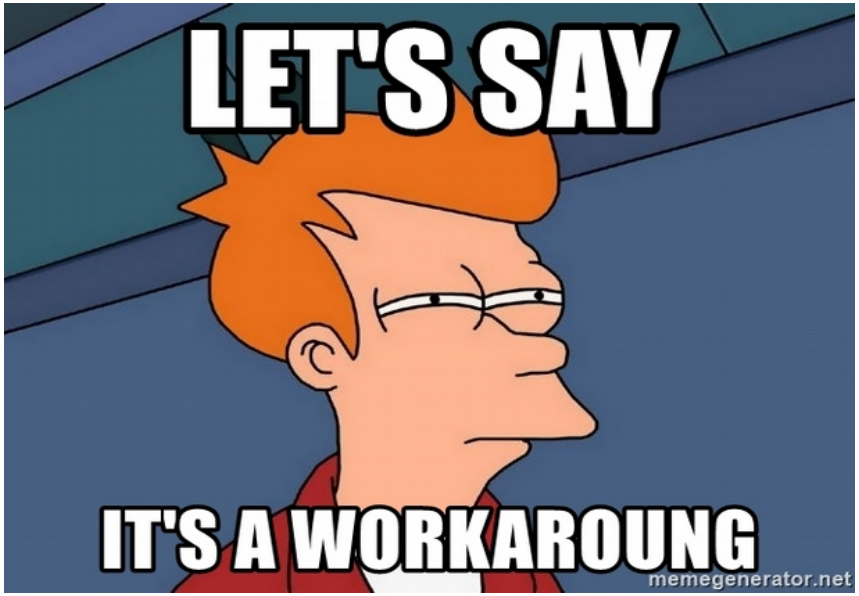
Mapbender Suche auf Web Feature Service

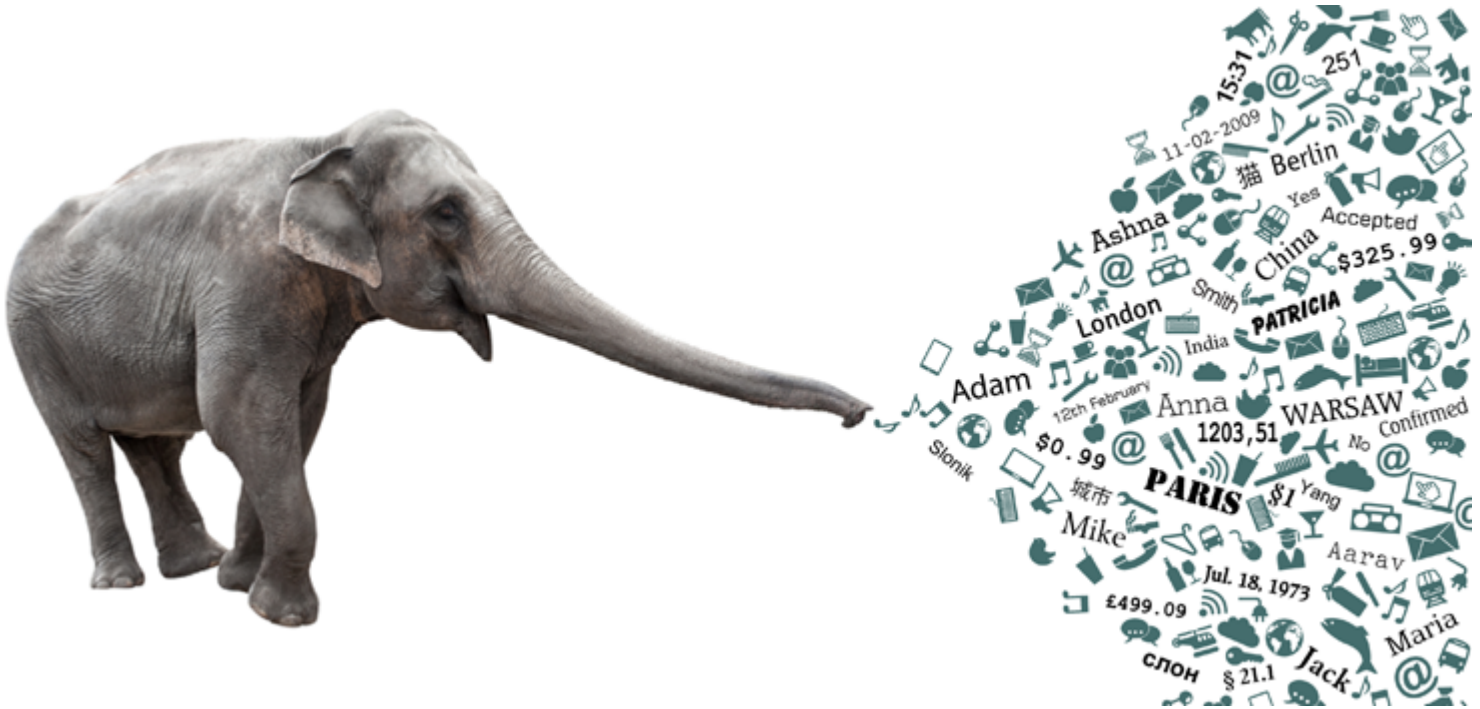
WhereGroup

Mapbender Suche auf Web Feature Service



WhereGroup

PostgreSQL Foreign Data Wrappers



http://slides.com/aileenheal/deck#/


Ablage Bearbeiten Ansicht Verlauf Tools Personen Hilfe
GitHub - pramsey/pgsql-o
GitHub, Inc. [US] | https://github.com/pramsey/pgsql-ogr-fdw
Apps
WG egw
WG intern
Meeting calenda
tele@WG
Blue Ant
Speisekarte
qgis-ws
Weitere Lesezeichen
PostgreSQL OGR Foreign Data Wrapper
Motivation
OGR is the vector half of the GDAL spatial data access library. It allows access to a large number of GIS data formats using a simple C API for data reading and writing. Since OGR exposes a simple table structure and PostgreSQL foreign data wrappers allow access to table structures, the fit seems pretty perfect.
Limitations
This implementation currently has the following limitations:
PostgreSQL 9.3+ This wrapper does not support the FDW implementations in older versions of PostgreSQL.
Only non-spatial query restrictions are pushed down to the OGR driver. PostgreSQL foreign data wrappers support delegating portions of the SQL query to the underlying data source, in this case OGR. This implementation currently pushes down only non-spatial query restrictions, and only for the small subset of comparison operators (>, <, <=, >=, =) supported by OGR.
Spatial restrictions are not pushed down. OGR can handle basic bounding box restrictions and even (for some drivers) more explicit intersection restrictions, but those are not passed to the OGR driver yet.
OGR connections every time Rather than pooling OGR connections, each query makes (and disposes of) two new ones, which seems to be the largest performance drag at the moment for restricted (small) queries.
All columns are retrieved every time. PostgreSQL foreign data wrappers don't require all columns all the time, and

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Demo

WhereGroup

```
CREATE DATABASE opendata_berlin
  WITH ENCODING='UTF8'
       OWNER="user"
       CONNECTION LIMIT=-1;


CREATE EXTENSION postgis;
CREATE EXTENSION ogr_fdw;

CREATE SERVER wfs_adressen
  FOREIGN DATA WRAPPER ogr_fdw
  OPTIONS (
    datasource 'WFS:https://fbinter.stadt-berlin.de/fb/wfs/data/senstadt/s_wfs_adressenberlin',
    format 'WFS' );


DROP FOREIGN table IF EXISTS addr_berlin;

CREATE FOREIGN TABLE addr_berlin (
  adressid real,

  geom geometry(point, 25833),
  gml_id varchar,
  str_name varchar,
  hnr varchar,
  plz varchar,
  bez_name varchar
   )
  SERVER wfs_adressen
  OPTIONS ( layer 'fis:s_wfs_adressenberlin' );

  SELECT * FROM addr_berlin LIMIT 10;
```

WhereGroup

- natural_earth2
- osm_local
- petascopedb
- postgres
- tinyows_demo
- user
- w2b_berlin
  - Catalogs (2)
  - Event Triggers (0)
  - Extensions (3)
  - Foreign Data Wrappers (1)
    - ogr_fdw
  - Schemas (1)
    - public
      - Collations (0)
      - Domains (0)
      - Foreign Tables (1)
        - addr_berlin
      - FTS Configurations (0)
      - FTS Dictionaries (0)
      - FTS Parsers (0)
      - FTS Templates (0)
      - Functions (1176)
      - Sequences (0)
      - Tables (1)
      - Trigger Functions (2)
      - Views (4)
  - Slony Replication (0)
- Tablespaces (2)
- Group Roles (5)
- Login Roles (3)

Query - w2b_berlin on user@localhost:5432 *

File Edit Query Favourites Macros View Help

w2b_berlin on user@localhost:5432

SQL Editor | Graphical Query Builder

Previous queries | Delete | Delete All

```
SELECT * FROM addr_berlin LIMIT 10;
```

Scratch pad

Output pane

Data Output | Explain | Messages | History

	adressid character varying	geom geometry(Point,25833)	gml_id character varying	str_name character varyi
1	96877	0101000020E964000048E17A9473E618418D976E421020	s_wfs_adressenberlin.562	Zeuthener W
2	96785	0101000020E9640000FA7E6ABC29DC1841C74B377994205	s_wfs_adressenberlin.563	Argoallee
3	396686	0101000020E964000017D9CEF741E118411058397497205	s_wfs_adressenberlin.564	Fährallee
4	243606	0101000020E9640000105839B4C5DC1841E7FBA9616520	s_wfs_adressenberlin.565	Fährallee
5	96847	0101000020E9640000B07268916AE1184152B81EF58B205	s_wfs_adressenberlin.567	Schmöckwitz
6	96874	0101000020E9640000022B8796D3E618414260E5A01620	s_wfs_adressenberlin.568	Moßkopfring
7	96834	0101000020E9640000EC51B89E10DF1841CDCCCC8CAD205	s_wfs_adressenberlin.569	Argoallee
8	96859	0101000020E9640000DD2406813EE21841D122DB412220	s_wfs_adressenberlin.570	Schmöckwitz
9	96773	0101000020E96400001B2FDD24BEDD18411283C0EAB7205	s_wfs_adressenberlin.571	Argoallee
10	96855	0101000020E9640000FCA9F152D9E11841D9CEF7033820	s_wfs_adressenberlin.572	Schmöckwitz

OK. Unix Ln 1, Col 1, Ch 1 10 rows. 1.7 secs

WhereGroup

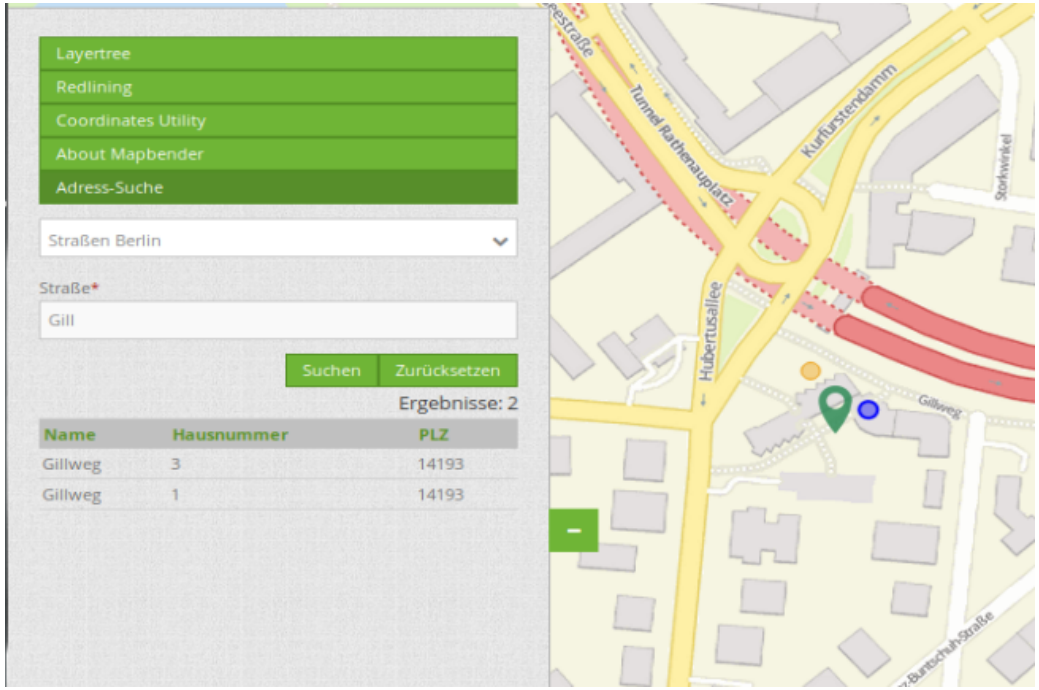
```
parameters:
    database_driver:   pdo_pgsql
    database_host:     localhost
    database_port:     5432
    database_name:     mapbender3.0.7.3
    database_path:     ~
    database_user:     user
    database_password: user

    search_driver:   pdo_pgsql
    search_host:     localhost
    search_port:     5432
    search_name:     w2b_berlin
    search_path:     ~
    search_user:     user
    search_password: user
```

WhereGroup

```
class: Mapbender\CoreBundle\Component\SQLSearchEngine
class_options:
  connection: search
  relation: addr_berlin
  attributes:
    - gml_id
    - str_name
    - hnr
    - plz
  geometry_attribute: geom
form:
  str_name:
    type: text
    options:
      required: true
      label: Straße
    compare: ilike
results:
  view: table
  count: true
  headers:
    str_name: Name
    hnr: Hausnummer
    plz: PLZ
  callback:
    event: click
    options:
      buffer: 10
      minScale: null
      maxScale: null
```

WhereGroup


Layertree
Redlining
Coordinates Utility
About Mapbender
Adress-Suche
Straßen Berlin
Straße*
Gill
Suchen
Zurücksetzen
Ergebnisse: 2
Name
Hausnummer
PLZ
Gillweg
3
14193
Gillweg
1
14193
Tunnel Rathenauplatz
Kurfürstendamm
Hubertusallee
Storkwinkel
Gillweg


THERE IS NO WORKAROUND
ONLY PROCESS
memegenerator.net

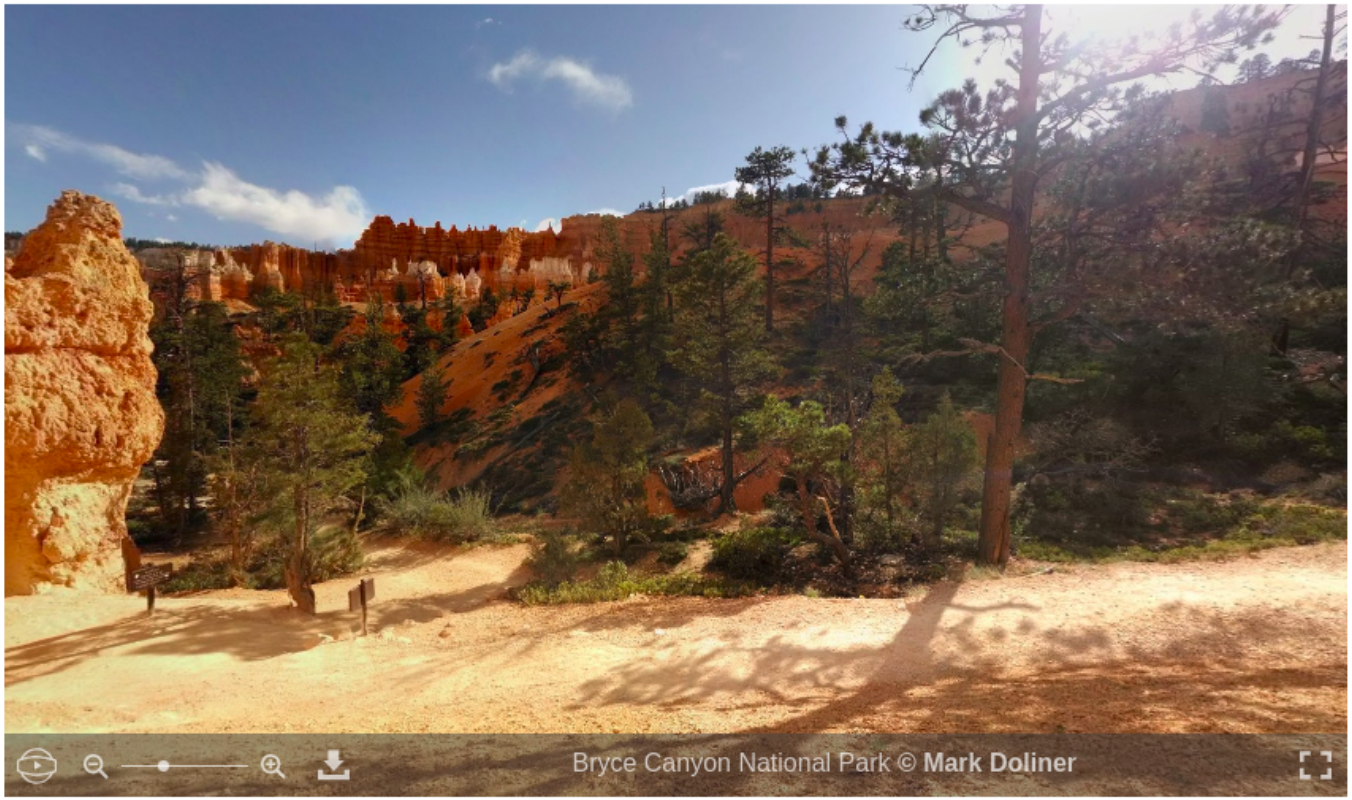

And now for something
completely different.

WhereGroup

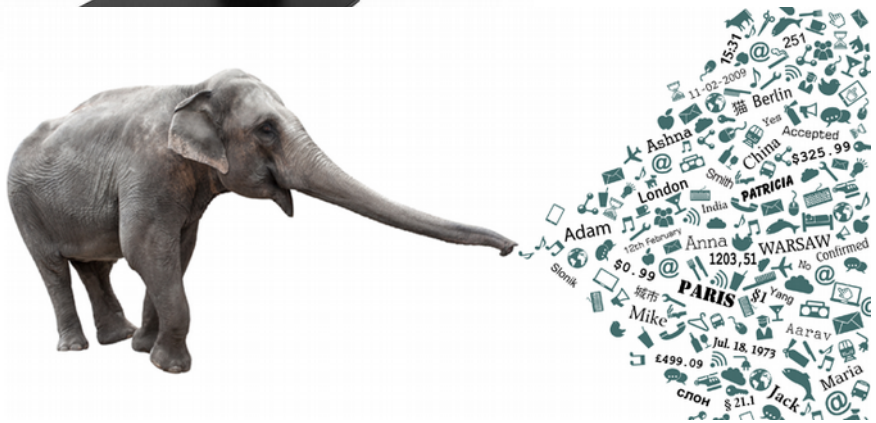
Kugelbilder
Mapbender StreetView / HomeView

WhereGroup

https://photo-sphere-viewer.js.org/



WhereGroup


1531
251
11-02-2009
Berlin
Ashna
Yes
Accepted
China
$325.99
London
Smith
PATRICIA
India
Adam
Anna
WARSAW
12th February
1203,51
No
Confirmed
$0.99
PARIS
$1
Yang
Mike
Aarav
Jul. 18, 1973
£499.09
Maria
Jack
§ 21.1


THAT WAS NICE
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