**VERWERKEN IN “TREE” VOOR PRESENTATIE?**

**27-01-2017**

* Exploring how to make real time updated maps

Waging whether it’s attainable to make a real time updated map. Alternative could be StoryMap; we see see how far we get.

* Exploring how to use postGIS

After conversation with Aldo decided to continue on working with GeoServer.

* Making GeoServer work

Decided to continue with Python

* Trying to add our twitter points to as WMS layer to GeoServer.

Worked in 3 ways: (what did NOT WORK: GeoServer python extention; OWSLib (?check?) as pyproj couldn’t be (re-)installed properly; …. )

Geopandas

Mapnik

Owslib wms.getmap()

* Try to add ‘basemap’ to GeoServer

OWSLib didn’t work (as pyproj couldn’t be (re-)installed properly).

Leaflet JS didn’t work (/too little Java knowledge). HOWEVER folium DID WORK

Trying to connect with another WMS in GeoServer didn’t work. GeoWebCache didn’t work (/too little Java knowledge).

Boundlessgeo costs money.

Osm2psql worked!

**30-01-2017**

* Attempt to enlarge VM disk space

Didn’t work on both personal laptop and WUr pc. Thereaffter retrieving old VM took some efford.

* Idea to only perform project on London (due to 50gb size of base map)
* Attempt to snap OSM of London to put on GeoServer

For England too large; for London finally worked (Osm2psql)

* Try to get nice layout for OSM background

In QGIS (Python inside) would be ‘ugly’ since not possible in main script: via R we came to osmar and osmplotr: (for Python osmapi)

GeoServer will then be useless, folium would suffice too:

* “restart” by visualizing using Folium (& not eventually using Bash): 2 scripts at a time
* Succeeded with folium to add simple points
* Trying to make a “time” loop: module time

As England, datetime.utcnow() didn’t work.

Not worked out completely to update, did work to plot. Fix later.

* Tweet bubbles succeeded (within folium)
* Error with trunctated twitter strings: fixed by only selecting hashtags

FOR LATER: maybe use coinciding words in whole of the strings

* Managed to show all tweets and pop all hashtags!

Regular expressions used

**31-01-2017**

* Vincent: laterrrrr
* Attempt to enlarge extend

Twitter can’t comprehend much; EU too big so we chose UK+Ireland

* Attempt on buffer calculations

Ogr not sure. Shapely works, union will become too complicated. Point.within(polygon) to count for each tweet the surroundings: threshold to be visualized in folium.

* Back to London: buffering requires meters instead of lat/lon + mining for whole UK crashes once in a while

Havershine doesn’t work. Going to UK’s “rijksdriehoek”.

* Create point.within dictionary

Regex everywhere… yet worked!

* Create working JSON example with Vincent

Can’t plot in Folium!!! Only in simple\_Marker

Attempt with bokeh. Too complicated

* In the end dictionary in Vincent bar works!
* Integrate plotting in script

**01-02-2017**

* Visualization\