Open Data Use Cases

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PyData Berlin Meetup

April 19, 2017

Agenda

1. Introduction
2. Measuring air quality
3. Election data
4. Wikidata
5. Public transport data
6. How to get involved

1. Introduction

- **OK Lab Berlin & Code for Germany since 2014**
- **Open data & Civic Tech**

1. Introduction

"Open data and content can be freely used, modified, and shared by anyone for any purpose."
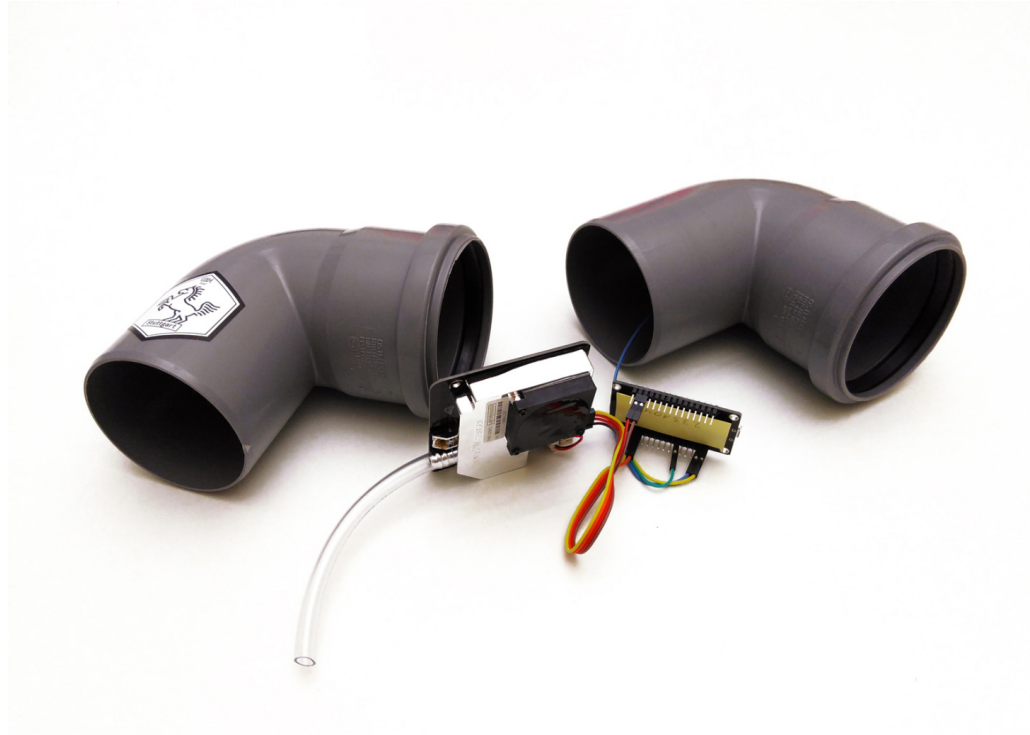
Source: (opendefinition.org)

2. Measuring air quality

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- PM10: particles with a diameter between 2.5 and 10 micrometres (μm)
- EU on PM10:
    - Yearly average: 40 µg/m^3
    - Daily average: 50 µg/m^3
    - Allowed number of exceedences per year: 35
- exceeding days 2016
    - Berlin: 18
    - Stuttart 2016: 58

2. Measuring air quality

(Source: www.luftdaten.info)

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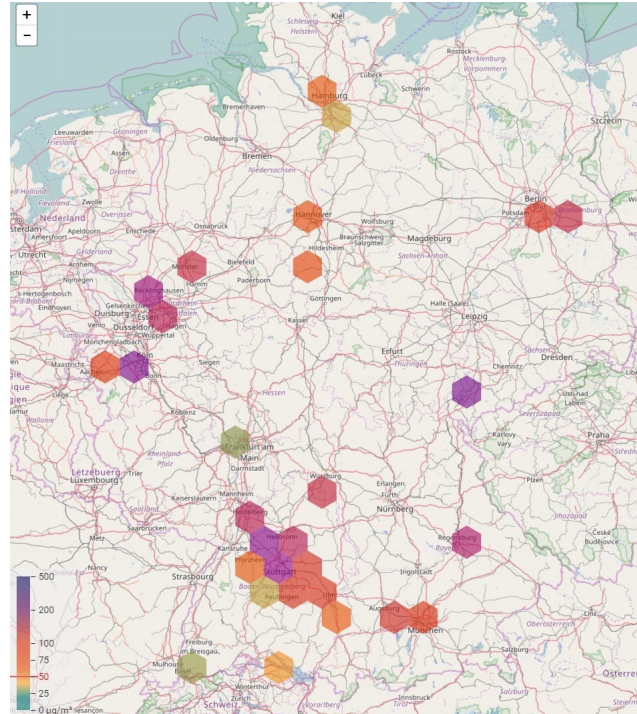
(Source: www.deutschland.maps.luftdaten.info, January 23, 2017)

3. Election data

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(Source: www.statistikextern.saarland.de/wahl/internet_saar)

3. Election data

Wahldaten

- make more data sets available
- spotlight official websites + best practices
- develop apps
- "Wahlsalons"

4. Wikidata

(Source: de.wikipedia.org/wiki/Berlin)

4. Wikidata

(Source: www.wikidata.org/wiki/Q64)

4. Wikidata

Query servicy: www.query.wikidata.org

5. Public transport data

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www.rettedeinennahverkehr.de

6. How to get involved

- Use Open data
  - Berlin: www.daten.berlin.de
  - Germany: www.govdata.de
- OK Lab Open Lab dates @Wikimedia (Hallesches Ufer)
  - May 8
  - June 12
  - www.meetup.com/OK-Lab-Berlin/
- Frag den Staat: www.fragdenstaat.de

Thanks!

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Some open source technologies used for this presentation:

remark.js, Google fonts, Atom editor