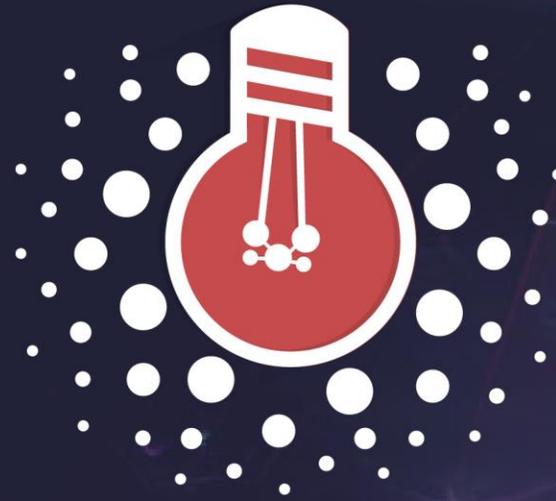


by CityData 3.0



# OPEN DATA FOR CITIES

Re-use and discovery level, applied to  
Spatial point process on linear network

AGILE 2017 Pre-conference Workshop

Wageningen - Netherlands

9 May 2017 9:00

**GEO-C**  
Enabling Open Cities

 UNIVERSITAT  
JAUME I  
DES DE 1991 **25** ANYS

**NOVA**  
**IMS**  
Information  
Management  
School



WESTFÄLISCHE  
WILHELMS-UNIVERSITÄT  
MÜNSTER



European  
Commission

# Agenda at Glance

- Introduction
- Keynote Talk
- Papers presentation
- Lunch time
- Hands-on session: Open Discussion about reuse and discoverability.
- Interactive session with point process analysis
- Open discussion and conclusions for workshop report and future outcomes

# Workshop GitHub Repo

<http://bit.ly/OD40C>

Installation requirements, datasets, resources, selected papers, presentations, overall all details of this workshop will be available, as well as in our website.

[opendata4opencities.uji.es](http://opendata4opencities.uji.es)



# Geospatial Technologies (Geotec) research group



<http://geotec.uji.es/>

HOME ABOUT STAFF PROJECTS PUBLICATIONS BLOG CONTACT

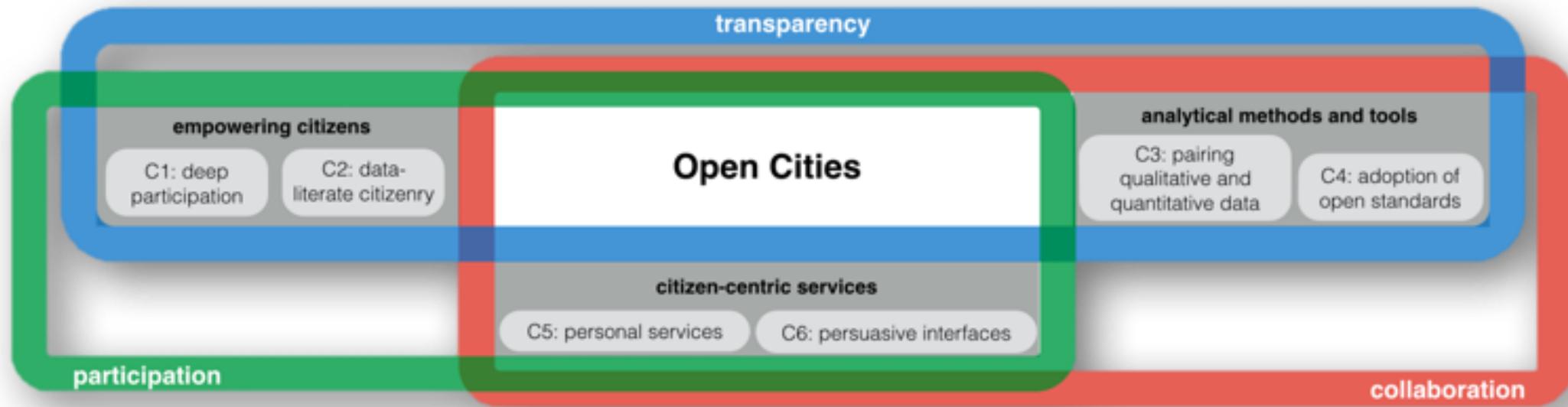


know-how is strongly grounded to geospatial technology and web mobile engineering. We continuously challenge ourselves to take a multidisciplinary approach to apply our knowledge to pressing social environmental issues such as mobility, transport, elderly, environmental health, and education, amongst others

HOME

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# Open Cities



[1] Degbelo, A., Granell, C., Trilles, S., Bhattacharya, D., Casteleyn, S., & Kray, C. (2016). Opening up Smart Cities: Citizen-Centric Challenges and Opportunities from GIScience. *ISPRS International Journal of Geo-Information*, 5(2), 16.  
<http://doi.org/10.3390/ijgi5020016>

# Key note, Heleen Vollers



## Barriers and benefits in working with Open Data

Heleen is actively involved in the development of the European Data Portal and associated services.

European Open Portal.

# Papers presentation

- **Open data portals as part of the open data ecosystem? Lessons learned from geoportal research.**

Bastiaan van Loenen, Knowledge Centre Open Data. Joep Crompvoets, Instituut Voor de Overheid

- **Integrating geological and seismological data in point process models for seismic analysis.**

Marianna Siino, Dipartimento di Scienze Economiche, Italy

- **Crime and Open Data, Use case Spain.**

Raquel Martin-Pozuelo, Master GeoTec, Spain

- **Open data and disaster management.**

Ditsuhi Iskandaryan, Master GeoTec, Spain

# 5th Participatory Workshop – Different backgrounds



Valencia



Bogotá



Medellín

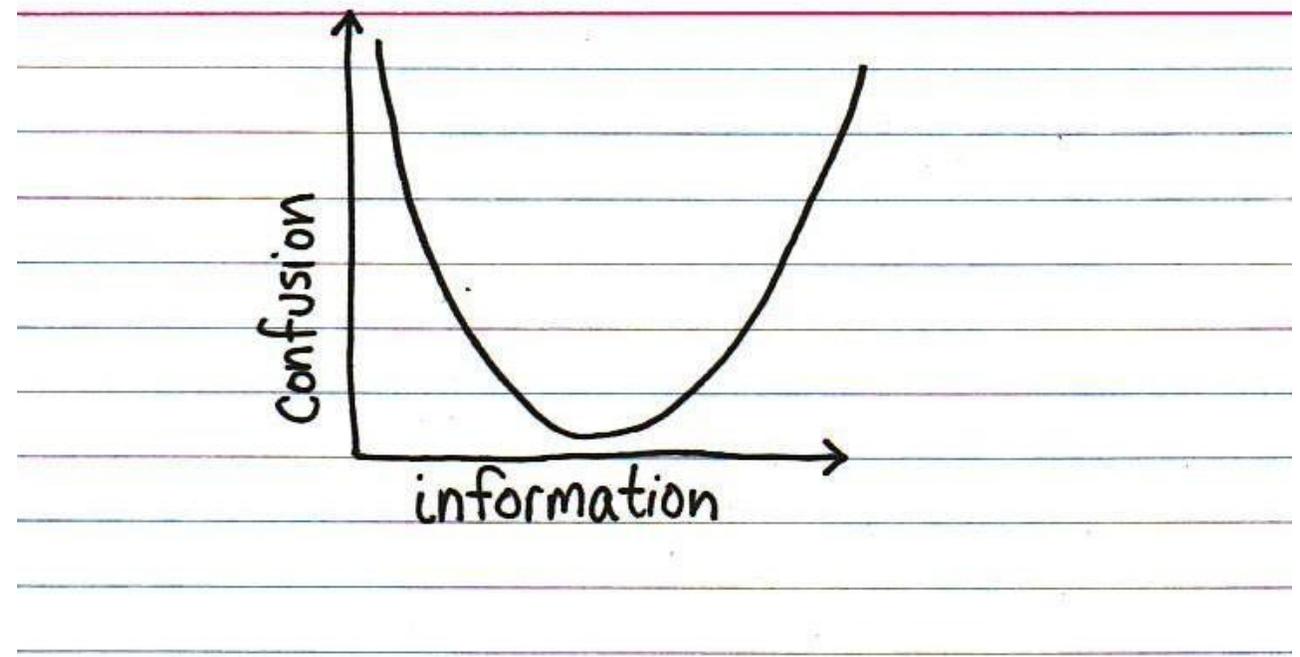


Castellón

Developers (Geo), Professors, Students, Entrepreneurs, Politicians, Analysts, Journalists and Data Authorities.

Reuse  
Discoverability

Available **Open Data** in cities.



# Hands-on Activity, Open Data and its impact

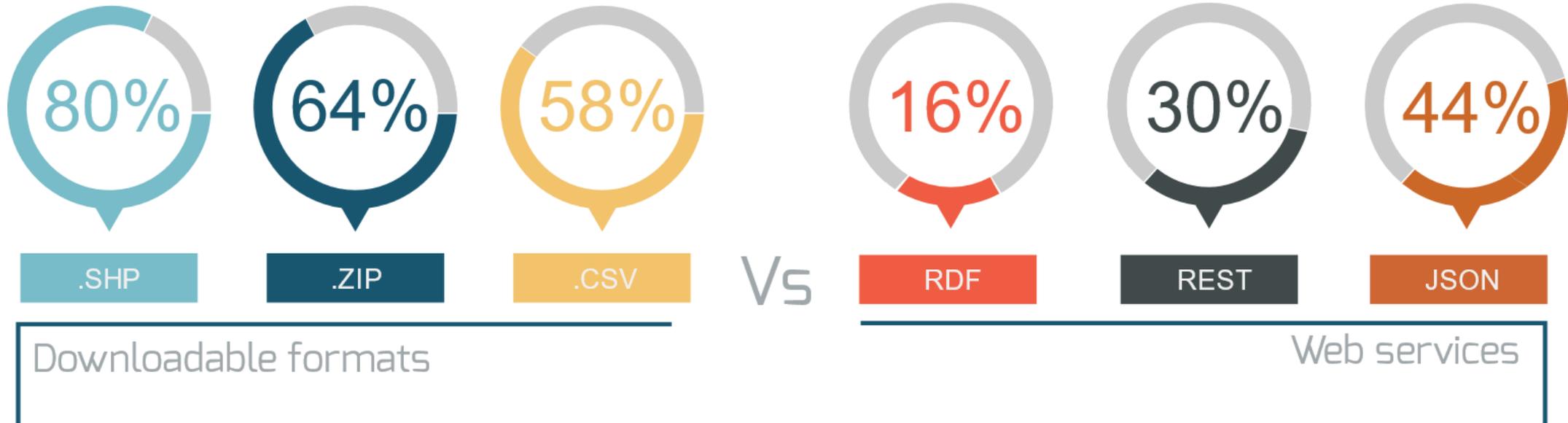
Go to the walls and place your opinions about following questions.

- When looking for city open data, what do you prefer?
- For a city that shares open data, what website do you think is more suitable?
- How do you prefer to explore available Open Data?

# Downloadable data Vs Web Services

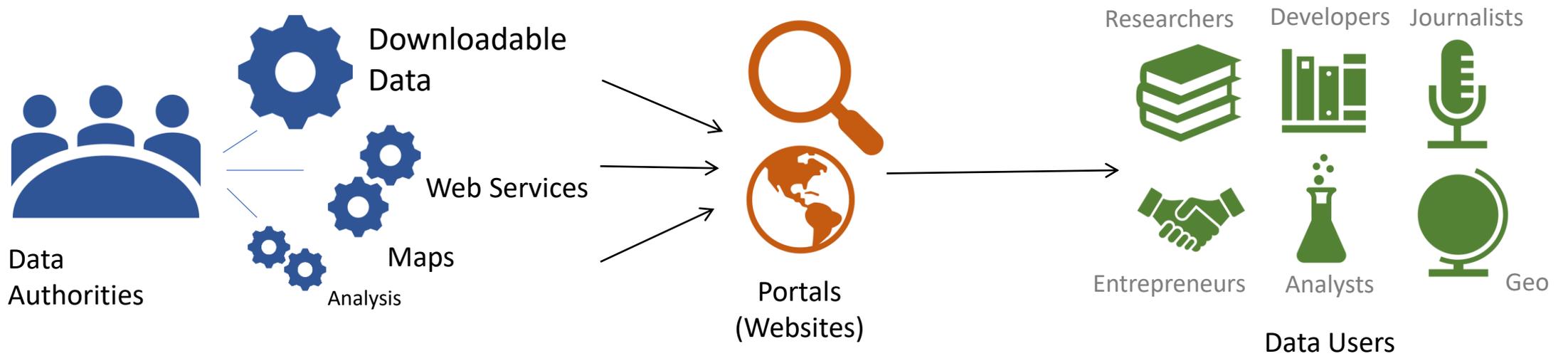
Currently data users are more interesting in downloadable data instead web services. Why?

N = 186 valid responses



# Downloadable data Vs Web services

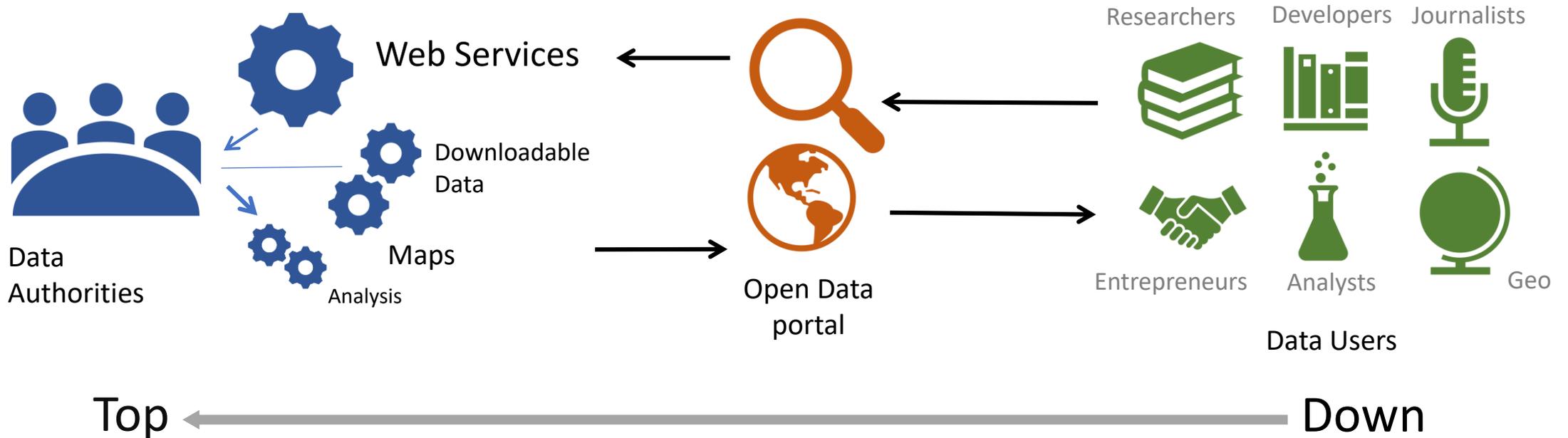
## Current Open Data system (Top - Down)



Top  Down

# Downloadable data Vs Web services

## Open Data system (Down – Top)

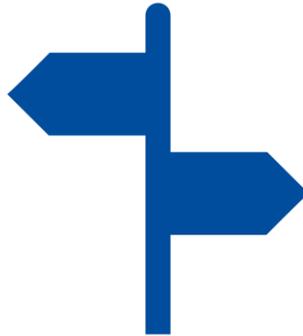


# SDI Portal Vs Open Data Portal

## Pros and Cons



SDI  
Web  
Portal



Open  
Data  
Portal

# Discoverability level

Which tool is more efficient and easy to use?



Open Data  
Users



Analytics



Geo Viewer



Table View

# Use case on spatial point process

- Short introduction on spatial point processes.
- How to draw a heatmap using intensity function?
- Challenge of bandwidth selection.
- Estimating the intensity function of some open data-sets within some groups.
- Feedback from groups.
- Discussion.