Open Data in Vienna, Austria … and beyond

October 2019

Open Government Data

- data of the public sector,

- in public interest,

- without restriction of any kind,

- for free use, redistribution and free further use,

- in machine-readable form,

- be made freely accessible.

What are **NO** Open Government Data?

- Personal data or

- data worthy of protection elsewhere, e.g.

  o security-relevant

  o infrastructure-critical or

  o secret data.

Machine readable?

Machines / computers can recognize and process the data.

Machine-readable Open Data formats are for example csv, json or various geodata formats which are available as open standards.

If a broad group shall use the data, they must be presented in open formats, e.g. PDF is good for people to read, but difficult for machines to interpret.

Low-threshold conditions of use

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- **CC = Creative Commons**

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- **Data of the City of Vienna:** "Data source: City of Vienna https://data.wien.gv.at"

- City of Vienna is Open Data pioneer and trendsetter in the German-speaking countries.

- The OGD publication has been carried out in quarterly data phases since May 2011.

- data.wien.gv.at leads to publication on data.gv.at

- Over 470 data sets (geo-data, statistical data, real-time data,...)

- Approx. 260 applications with OGD Vienna (apps, visualizations, ...)

- Info about OGD Vienna: digitales.wien.gv.at

Open Data of the City of Vienna – continuously documented

⚜ The Open Data of the City of Vienna can be found at data.wien.gv.at on the Austrian data portal data.gv.at .

⚜ In order to make the data comprehensible and usable for data consumers, it is published and updated permanently together with useful information and descriptions.

Open by Default

Data Excellence

https://digitales.wien.gv.at/site/data-excellence-strategie-der-stadt-wien/
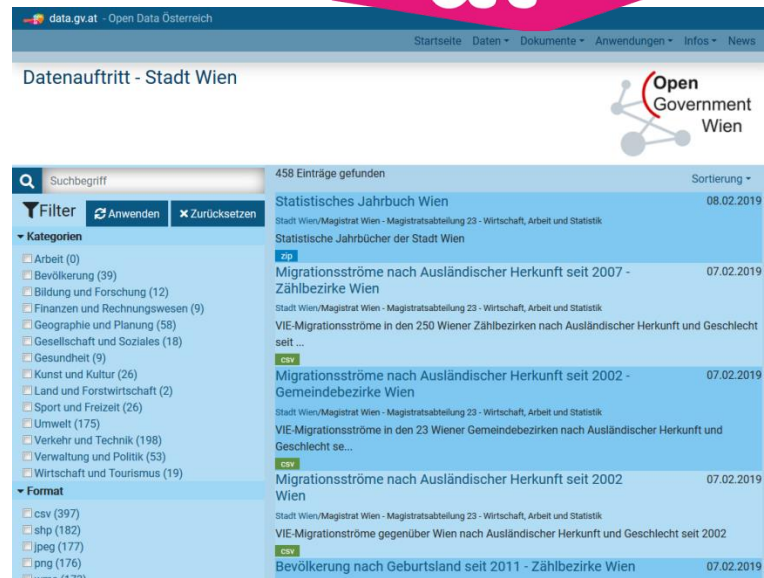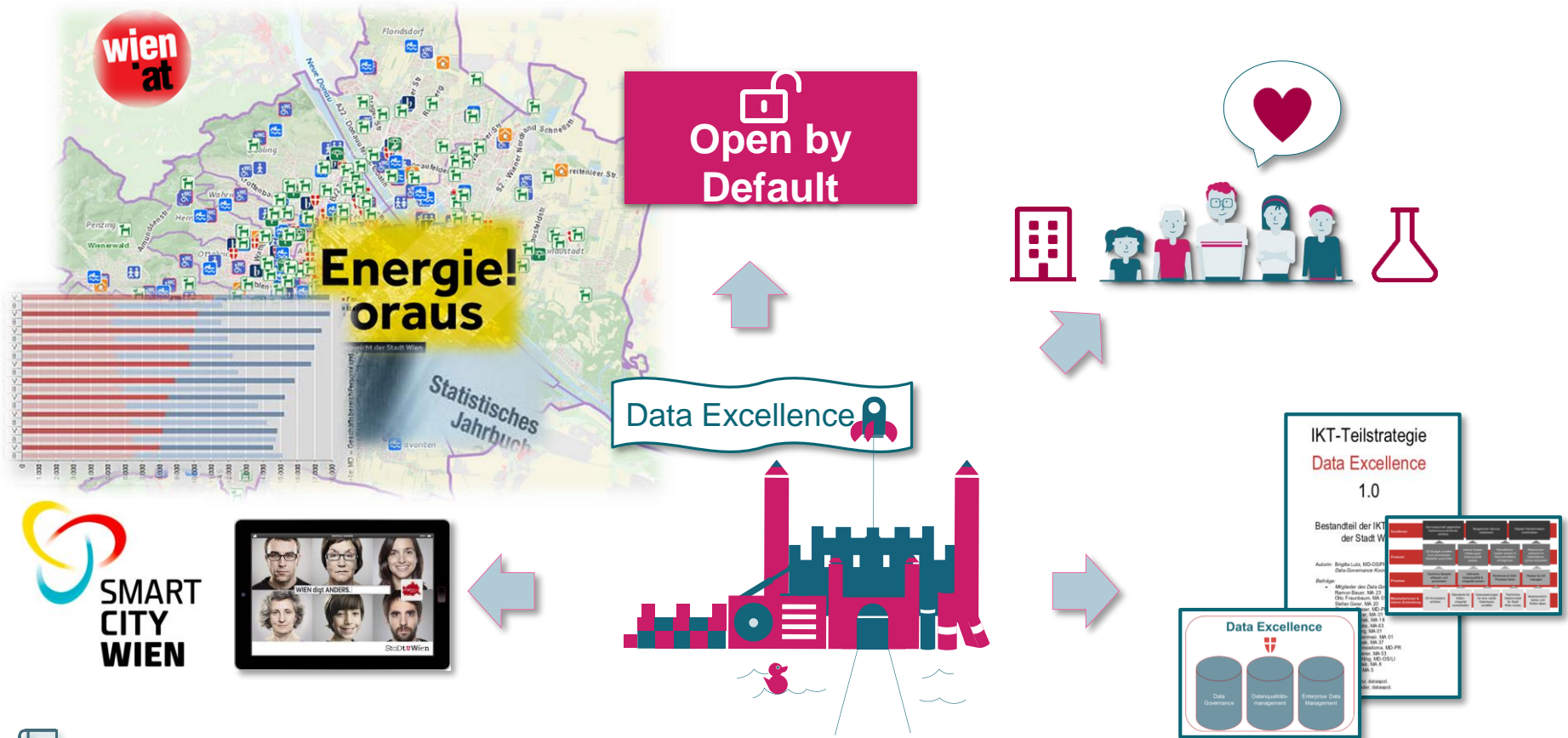
Cooperation OGD Austria

- OGD-Stakeholder Austria

  o Austrian Federal Chancellery; Provinces: Upper Austria, Lower Austria, Salzburg, Tyrol; Cities: Vienna, Linz, Graz, Salzburg; AGEO; Environment Agency Austria; BRZ, Danube University Krems

- Regulatory framework for OGD Austria

- Cooperation data.gv.at

  o CKAN-data catalog and apps

  o Interface to European Data Portal

- Cooperation OGD D-A-CH-LI

  o Conferences

  o Working groups

  o Harmonizing meta data

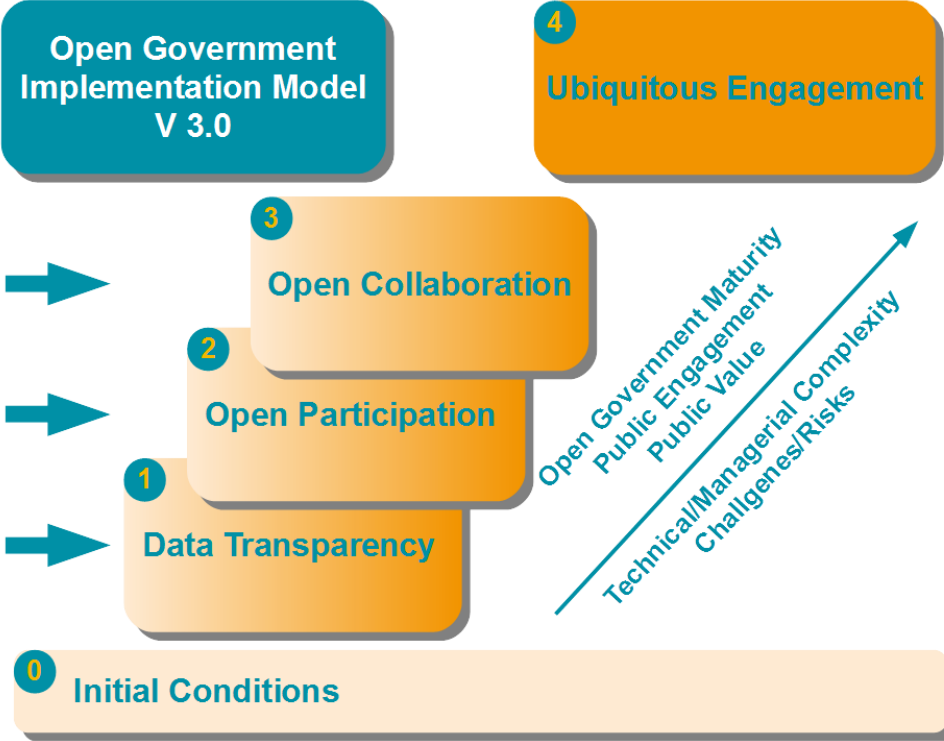 o Vision „D-A-CH-LI Data Ecosystem"

Open Data are borderless
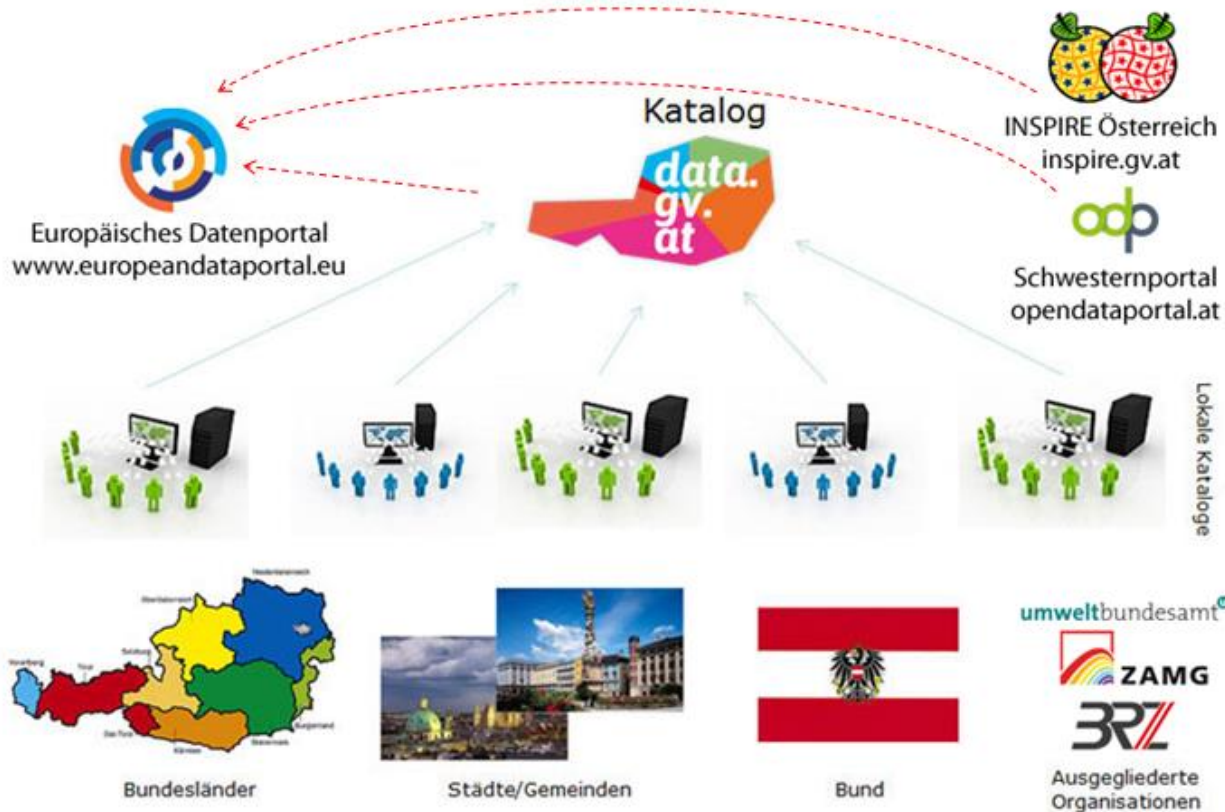
OGD Success Factors

- Political backing & Support Management

- Low-threshold access: CC BY

- Free of charge – also for commercial utilization

- One licence for Austria

- Quarterly data publication

- Cooperation, Cooperation, Cooperation

- Cooperation with research and educational institutions

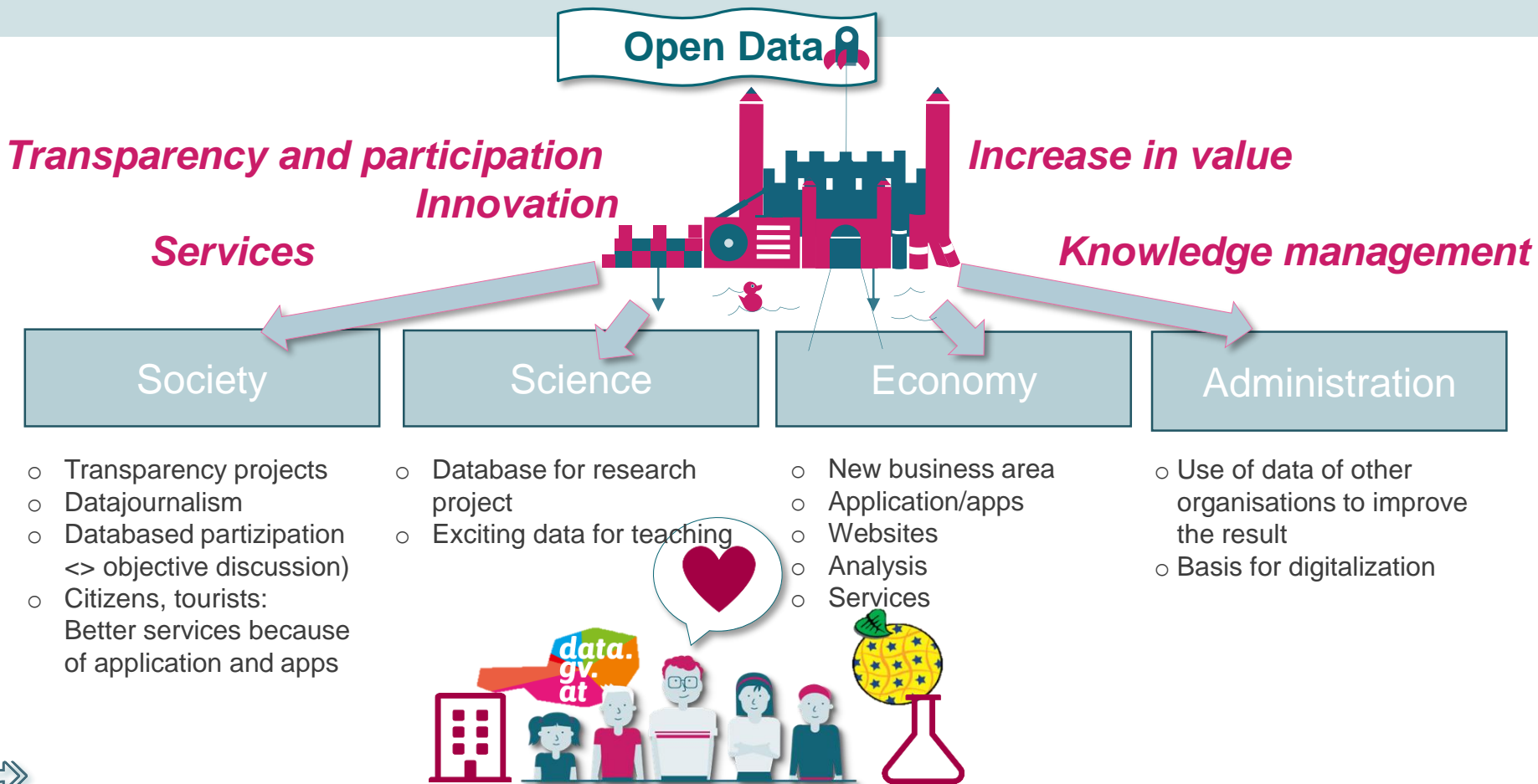- Contact with Community

- Openness & Dataness - Data Excellence

Open Government Implementation model

Open Government Implementation Model V 3.0

4 Ubiquitous Engagement

3 Open Collaboration

2 Open Participation

1 Data Transparency

0 Initial Conditions

Open Government Maturity
Public Engagement
Public Value

Technical/Managerial Complexity
Challgenes/Risks

www.kdz.or.at/de/open-government-vorgehensmodell

Who needs Open Data?

Open Data

Transparency and participation

Innovation

Services

Increase in value

Knowledge management

Society	Science	Economy	Administration

Society
- Transparency projects
- Datajournalism
- Databased partizipation <> objective discussion)
- Citizens, tourists: Better services because of application and apps

Science
- Database for research project
- Exciting data for teaching

Economy
- New business area
- Application/apps
- Websites
- Analysis
- Services

Administration
- Use of data of other organisations to improve the result
- Basis for digitalization

data. gv. at

Apps with Open Data

- Appx. 40 apps for public transport

- Appx. 25 „parking in Vienna"

- Name the baby

- City of Vienna
  - WienBot
  - Sag's Wien
  - Mein Wien…
  - 1. Blockchain-Pilot

- Data analytics, visualizations

- U.v.m. https://www.data.gv.at/anwendungen/
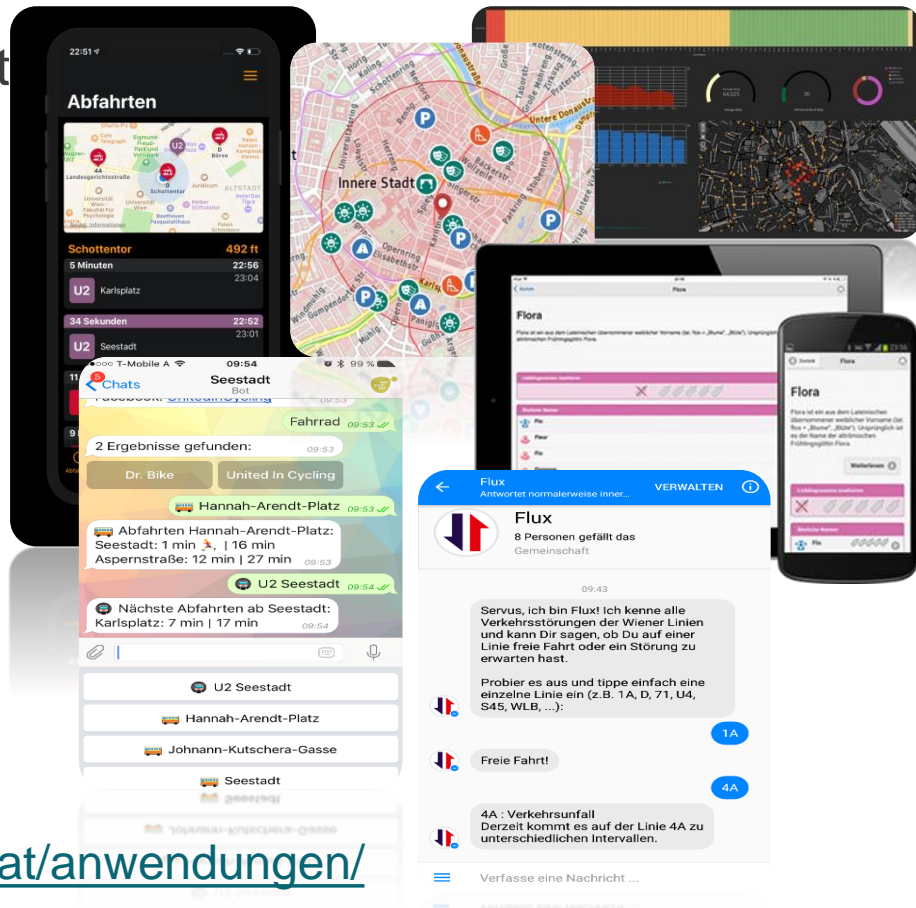
Open Innovation - Cooperation with the community

- Open Government-plattform Vienna

- Open Data MeetUp Vienna

- Personal contact – Open exchange and feedback

- OGD Collecting of ideas

- Social media

App-engineers explain, why open data of the city of vienna are valuable

Top Data-Sets

- Statistics
- Geo
- Transportation
- Urban Planning
- Energy
- Environment

Toilet Map Vienna

CONTENT AWARD 2011 Winner

- Augmented reality

- Locating public toilets with geo-coordinates

- Locating upon the topographical online city map of the city of Vienna

- Considering current position, it shows the nearest toilet. (also marking those, that are suitable for disabled people)

- Robert Harm

Parking in Vienna

CONTENT AWARD 2012
Winner

- Automatic detection
  - Is it a free of charge parking spot?
  - If not, is it charging time at the moment?
    - parking charge
    - free of charge
- Buying parking tickets directly via the app
- German/English/Czech
- Matthias Leitner, Markus Winter, Alexander Schuch,

Story Hunter

CONTENT AWARD 2013
Winner

- Stories and background information about Vienna

- „…. much more than a typical sight seeing tour…."

- GPS guides to the interesting spots

- At the spots an interesting background story is told

- Barbara Haider

Zoomsquare - Matches People with Homes

CONTENT AWARD 2014 Winner

- Real estate app

- 2 clicks for first results

- Information about environment and infrastructure

- Exclusive search by neighbourhood

- Favorites, search profile

- Always up-to-date with push notification

Immo-Focus-Vienna

1st app with a charge

Wien.at live – City in the pocket

wien.at live

12:30

Stadtplan Wien

WLAN Standorte

QR-Code lesen

Echtzeit Informationen

Hotlines Wien

wien.at mobil

wien.at Magazine

Wartezeiten Bezirksämter

Straßenp

CONSTANTINUS AWARD 2016
2nd place

- Offline City-map
- Find WiFi stations and connect
- Realtime push information
- QR-Code-Reader with safety-check

StaDt Wien

wien at live

WAVE – Mobility Assistant

StaDt Wien

- Natural language user interface

- Accessibility for a wide audience

Intermodal: Public transport, City Bike, Car2Go, Scooter Sharing,...

WINNER Seamless Cities App Camp Developer Camp
WINNER Copernicus Masters App Challenge
WINNER open4data.at challenge 2016 - data4people

Data Honeycombs

Our favourite of visualization

- Each dataset in a hexagon

- Understanding data with interesting aspects, average figures or changing values

- Description and direct link to data

- Available for Aachen, Amsterdam, Berlin, Köln, Moers, Wien,…

- Thomas Tursics