

Open Data in Transport and the Role of a Pan-European Data Portal

Remarks by Dr. Marcus M. Dapp

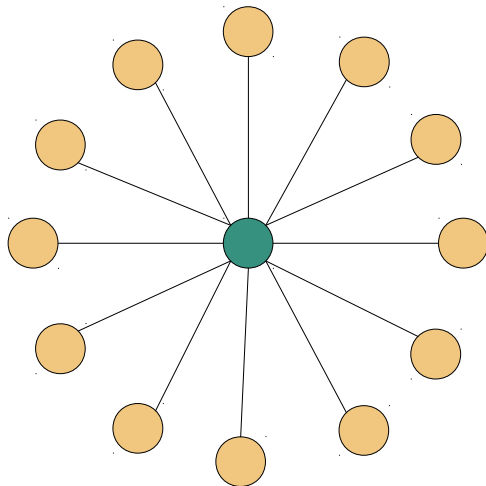


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Open Data session, Informal TTE Council meeting
Nicosia/Cyprus, July 2012

TTE are network industries; designed top-down* in the industrial age and characterized by network effects and dependencies.

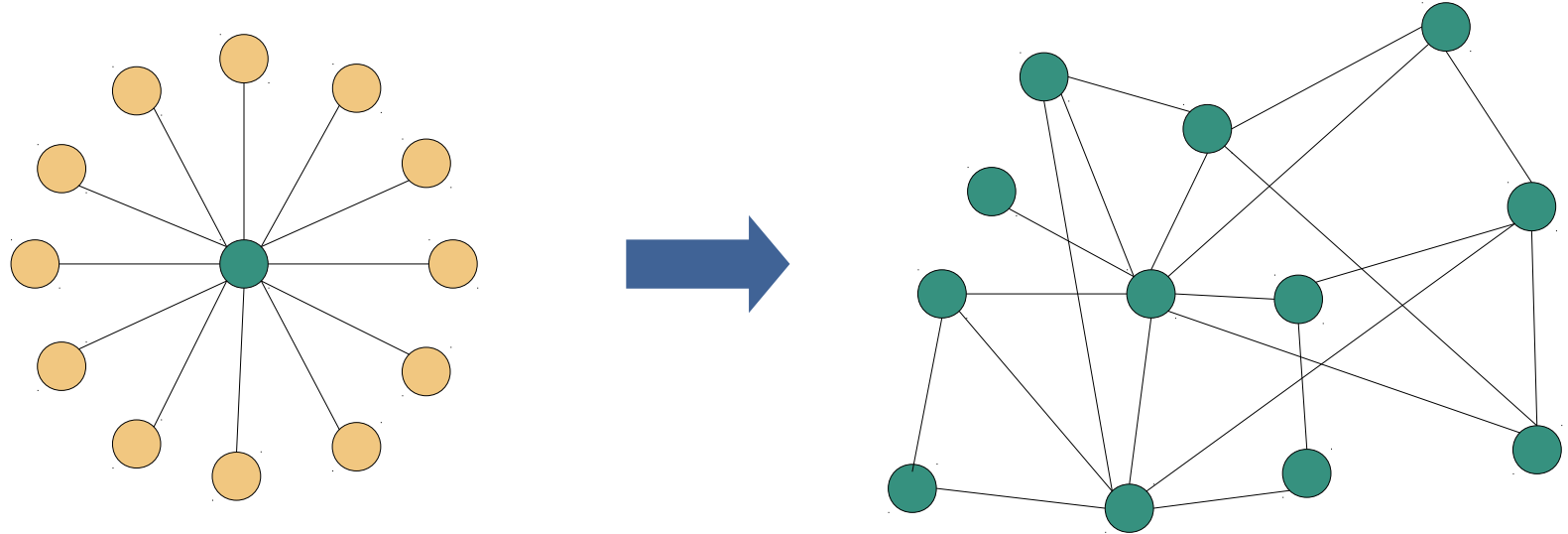
Ability to adapt to Climate Change & Peak Oil?



- One provider serving many users
- Network effects
- Switching costs
- Monopolistic tendencies

* Exception: roads for cars.

Thinking 'out-of-the-circle'



- Peer-to-peer offers distribution of risk/investment
- **Data** enables distributed network management

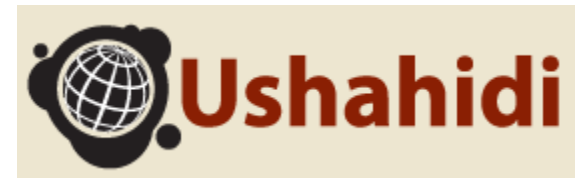
Value of data lies in its (re-)use.

Re-use is proportional to access.

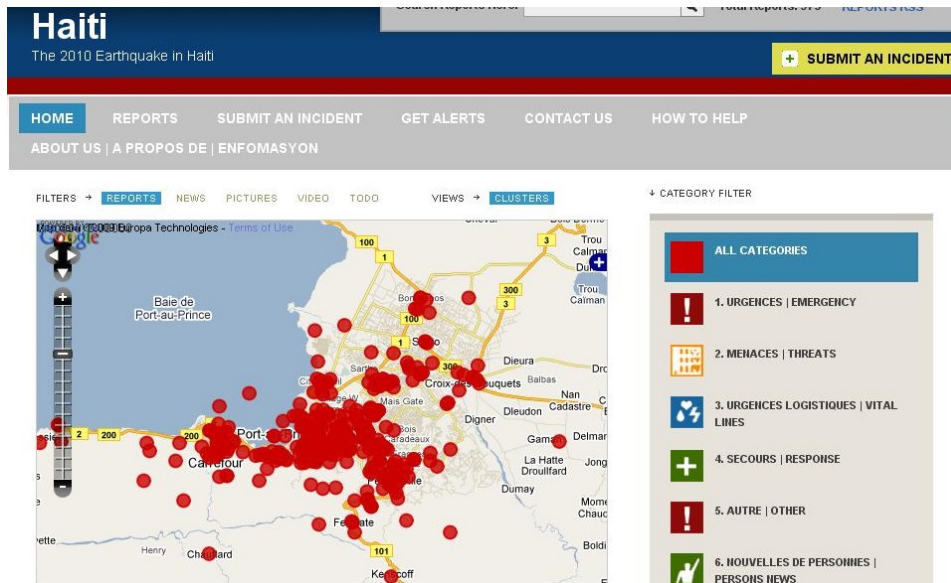
Open Data ensures *unrestricted access and re-use*.

Four examples ...

Thematic mapping

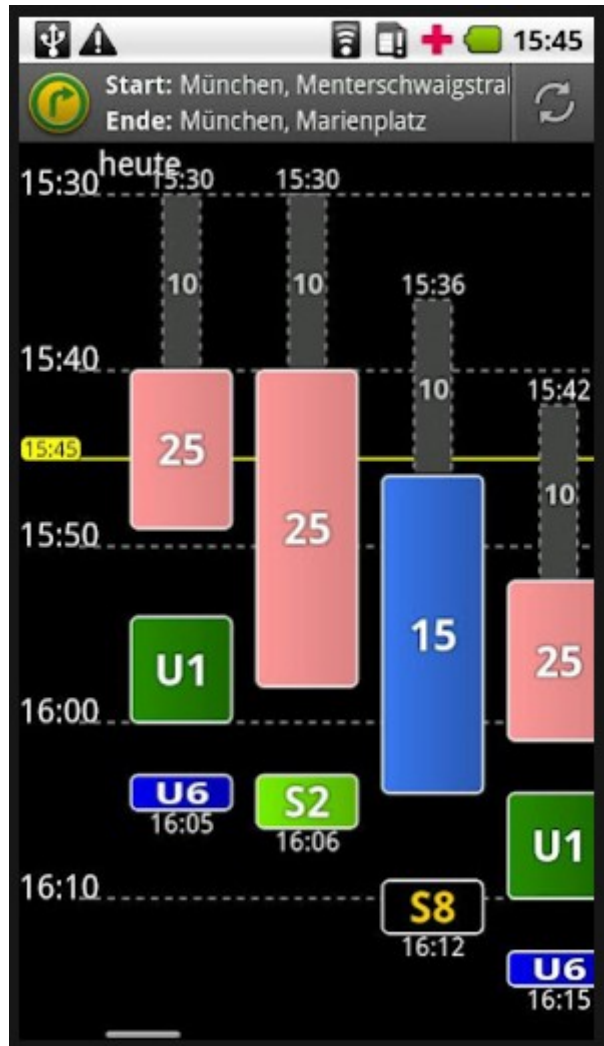


- Crowd-sourcing of reports using mobile phones and internet.
- Innovation through new use scenarios
- Open source using/creating open data



2008 Nigeria, violence
2009 India, elections
2010 Haiti, earthquake
US oil spill
2011 Liberia, elections

Public transportation

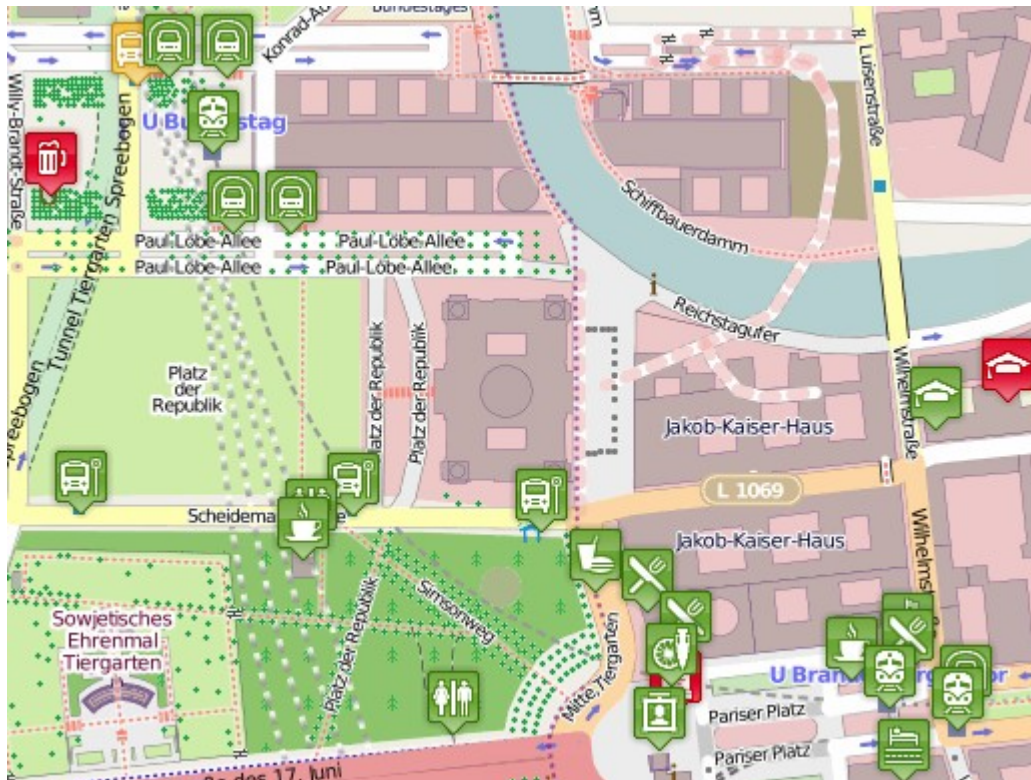


- Mobile app
- Public transport schedules, including delays and replacement services
- Only tool with European coverage
- Free download/use
- 1 developer(!)
- 1M+ users

Urban accessibility



- Urban accessibility/planning
- Map for wheelchair-accessible places. Everyone can add and change places.



250k+ places marked
2010 Citizen Award

Collaborative mapping

- »Wikipedia with geospatial information«
- Used by many services/projects
- Open source creating open data



OpenStreetMap
The Free Wiki World Map



30+ thematic projects:
European power grid
public transport
cyclists
walkers



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Data is »open« if ...

»*anyone is free to use, reuse, and redistribute*«

Really »anyone«

Legal: Open license

Technical: Open format

Towards a Single European Open Data Market


- Legal
 - Open licensing allows unrestricted re-use
 - 'Free of charge' spurs community re-use
- Technical
 - Machine-readability enables automation
 - Open standards allow interoperability
- Social
 - Open encourages crowdsourcing/peer-to-peer
 - Building pan-European data communities

Prime way to provide
Open Government Data are
Open Data portals.



Many deployed in governments and cities today.

Examples of Open Data portals



HM Government



DATA.GOV.UK Beta
Opening up Government




INTERNATIONAL
AID
TRANSPARENCY
INITIATIVE

HOME DATA PUBLISHERS USING IATI DATA ABOUT HELP



difi Direktoratet for
forvaltning og IKT



publicdata.eu beta — Europe's Public Data

Search Groups About Apps Ideas

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All powered by OKFN's datasuite.



The Commission is taking the plunge

- EC Open Data portal
- Technical platform
 - Customized instance to host EC datasets
 - No vendor dependence (open source)
 - Interoperability (open standards)
 - Excellent multi-lingual support for search and data publishing work flow
- Status
 - Launch September 2012
 - Deploying on EC servers & internal testing



Towards A Pan-European Open Data Portal

- Attract diverse players from a large population
- Establish new, innovative services for Europe
 - Economic benefits from data-driven innovation
 - Societal benefits from community crowd-sourcing
- Creating a European Open Data market

Supply side

Connect OD initiatives at all levels
Exchange of expertise/best practices
Improved interoperability of datasets

Demand side

Building of data user communities
Targeted outreach and events
Improved data discovery



Why support Open Data in Europe?

- Peer-to-peer can transform transport (and TTE) to address key societal challenges
- Peer-to-peer needs open data
- Pan-European data portal is a major step

Help enable new, innovative digital services for the
European society and economy

»Please encourage all your public transport authorities to
offer their real-time transport data as open data! Thank you!«

Thank you!

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