Urban Policy Objectives on the International, European, National and City Level

A Strategy of Open Data for Urban Development. Experiences of Helsinki Region Infoshare
www.hri.fi

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Asta Manninen
City of Helsinki Urban Facts
asta.manninen@hel.fi
http://www.hel.fi/tietokeskus
Helsinki and the Helsinki Region
Helsinki – a growing city

Helsinki and the rest of the region (13 municipalities)
population 1.1.1980–2013 and projection 2050

Helsinki, population growth
2020: 650 000
2030: 700 000
2040: 730 000
2050: 750 000

rest of the region

Graph showing population growth from 1980 to 2050.
Population by sub-district 1.1.2013–2023

Population forecast 2013-2023

Population totals

- 17,000
- 8,500
- 1,700
- -1,700
- -8,500
Promoting well-being of residents
- Room for the young to be heard, participate and to show their skills
- The elderly are cared for
- Helsinki is strongly bilingual
- International Helsinki – immigrants as active residents
- The wellbeing and health of Helsinki residents improve, and health inequality decreases
- Helsinki residents do more sports and exercise

Helsinki – a liveable and prosperous city
- An internationally known and attractive city
- Finland’s most business friendly city
- Competitiveness through renewal
- Enjoyment and appeal through arts and culture
- A city of skilful people

Functional Helsinki
- Liveable and attractive city districts evolving
- Integration of the urban structure improves accessibility and functionality
- Uncomplicated and integrated services for residents
- The City’s operations are sustainable, effective and efficient
- Diverse housing alternatives in the growing city

A well-balanced economy and good management
- The economy gains balance and the productivity increases
- The group of administrative city bodies is being run as an entity
- Skillful management and skilled staff
- Efficient and functional support services

Democracy and commitment grow stronger
An open and engaging Helsinki
How did it all start, how do we work?

The Helsinki Region Infoshare open data service is developed and funded by the cities of Helsinki, Espoo, Vantaa and Kauniainen. In addition, the Finnish Innovation Fund Sitra and the Finnish Ministry of Finance have given financial support. The European Prize for Innovation in Public Administration, 2013.

**Key role:**
Open Helsinki – utilization of benefits of an open digital environment and acting for impact of data and information

Citizens´ participation

- Availability of data and information
- Private enterprises and public bodies
- Availability of IT-tools
- Digitalisation and new technology

Trust and open government

Why open data?

- Transparency and democracy, citizen engagement
- Government efficiency, improved administration
- Business and innovation, new jobs, new growth
- Education and research

- Public
- Licensed
- Machine-readable
- Easily accessible and to no cost

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HRI-Open Data operational model

- Criteria and instructions
- Tools to open the data
- Feedback

**HELSINKI REGION INFOSHARE**

- Feedback on data
- Feedback on the service

**CLEARING HOUSE**

- Data Catalogs
  - (data + metadata)

**DISTRIBUTION**

- www.hri.fi

**END-USERS**

- Employees of the municipalities
- State government
- Enterprises
- Research and education
- Citizens

**PRODUCTION**

- Production, maintenance, provision according to agreed rules and legal framework

**OPENING**

- Definition of HRI data
  - Criteria, information policy and principles, licensing
  - Support to data providers

**DISTRIBUTION**

- Maintenance of the web service
- Collecting users feedback
- Updating of data catalogs

**UTILISATION**

- Data Catalogs
www.hri.fi

- Easy to find data.
- Today, more than 1100 open data sets. Free of charge to all.
- Encourage utilisation!
- HRI applications gallery displays almost 100 applications.

OPEN FINLAND 2014, fair
http://avoinsuomi2014.fi/
HRI Applications Gallery
http://www.hri.fi/fi/sovellukset/

Close to 100 apps in diverse categories
Construction of Helsinki 1812-2012
Demographic change in the Helsinki Metropolitan Area as 3D/4D

By Logica - http://www.hri.fi/sovellukset/paakaupunkiseudun-4d-vaestokehitys/
Urban mobility apps

- Real-time tracking of public transport (buses, trams, metro, etc.)
- API is available upon registration with HSL

- "Sporat" (Trams) app for Windows Phone
  - Real-time tracking of trams in Helsinki


Parkman
- Compare parking prices
- Pay via mobile phone
Urban development visualization

Helsinki 2050 survey [http://esimerkki1.asiatkartalle.fi/]

- Over 4,671 respondents
- Over 33,000 pinpoints on map
- Very detailed and geographically precise data/results
- Survey results available as open data @ [http://www.hri.fi]
Open data for better services

Helsinki service map (new, beta) http://dev.hel.fi/servicemap

- Helsinki service map

- Helmet taskukirjasto
  (pocket library)
HelMet Pocket Library is a smartphone application for HelMet Library customers.

- Renew your loans, make reservations, find new books or recommend items on Facebook.
- Loan library books, films and music directly from your friends anywhere and anytime you want.
- In order to use the app you need HelMet library card and PIN code.
- Pocket Library is also a valid library card when visiting the library.
- The source code is available at Github:
  - [https://github.com/helsinki-city-library/pocketlibrary](https://github.com/helsinki-city-library/pocketlibrary)
Blindsquare

“Apps that helps the visually impaired in their daily life”

Global data
• Openstreetmap
• Foursquare

Open data in the Helsinki Region
www.hri.fi
• HRT data
• Helsinki Region service map

www.blindsquare.com
Tools and data for use

Motoring:
- MetropAccess
- DigiRoad

Public transport:
- MetropAccess Router

Metropolitan Area Travel Time Matrix

Dr Tuuli Toivonen, University of Helsinki
Hypermarkets accessibility

Hypermarkets accessibility


Dr Tuuli Toivonen, University of Helsinki
Public transport travel times to hypermarkets
Welcome to Helsinki Developer Portal!

This website hosts information for developers wanting to leverage APIs and open data sets provided by City of Helsinki. City of Helsinki has opened up hundreds of data sets for application development through Helsinki Region Infoshare. This developer site focuses on APIs and how to make it even easier for developers to use them.

You can also find here information on the events organised for the developer community by Helsinki<3Developers.

This website is a work in progress. Please look around and give us your feedback so we can make it better.

Developers meets at Lasipalatsi
- 10.6. @ 16.30 - CitySDK challenge
HRI open data – create an App for making a better Helsinki

- Open data – new collaborators and new ways of cooperating, see http://dev.hel.fi

Examples:
**Tourism API, Geocoding API, Service Map API, Open Ahjo API**

  - Helsinki, Amsterdam, Barcelona, Berlin, Manchester and Rome.

- Datademo.fi – competition
  - 3 rounds (spring, summer, fall)
  - Per round the best 8 proposals receive 2000€ each
  - 3 months completion time
  - Total financing of 48,000€ in 2014
Open Helsinki – Hack at Home

- **International concept** linking developers and organisations creating success stories of open innovation
- Mentors give valuable feedback and support to the developers
- Focuses on relevant themes for the active citizen
  - emphasize the openness of the city decision-making
  - find solutions that enable feedback
  - enable tourists to experience Helsinki in a unique way
- Open to everyone
- Applications participate in the Apps4Finland competition
HRI open data service is evolving

- Geo-coded data especially important for applications, mobile applications.

- Open interface to the case management system, decision making system called *Open Ahjo*. It connects decision making and the citizens, the community and everyone interested.

  Open Helsinki – [www.openhelsinki.net](http://www.openhelsinki.net)

  dev.hel.fi/openahjo

  AHJO Explorer
OPEN AHJO, Open decision-making data
Transparency
Connects with citizens

http://www.slideshare.net/helsinkiregioninfoshare/open-data-layers-to-helsinki-citys-case-management
Open decision-making process in Helsinki

What is happening in your neighborhood? What kind of issues is going to be decided? By whom and why?

http://dev.hel.fi/paatokset
The Budget of the City of Vantaa

Visualisation

openspending.org
Learn and experience more about Helsinki Region InfoShare

Feel free to contact us @ hri@hel.fi

www.hri.fi/2years
Responsibilities:

- Urban statistics, information services
- Urban research
- The city archives
- Open data