

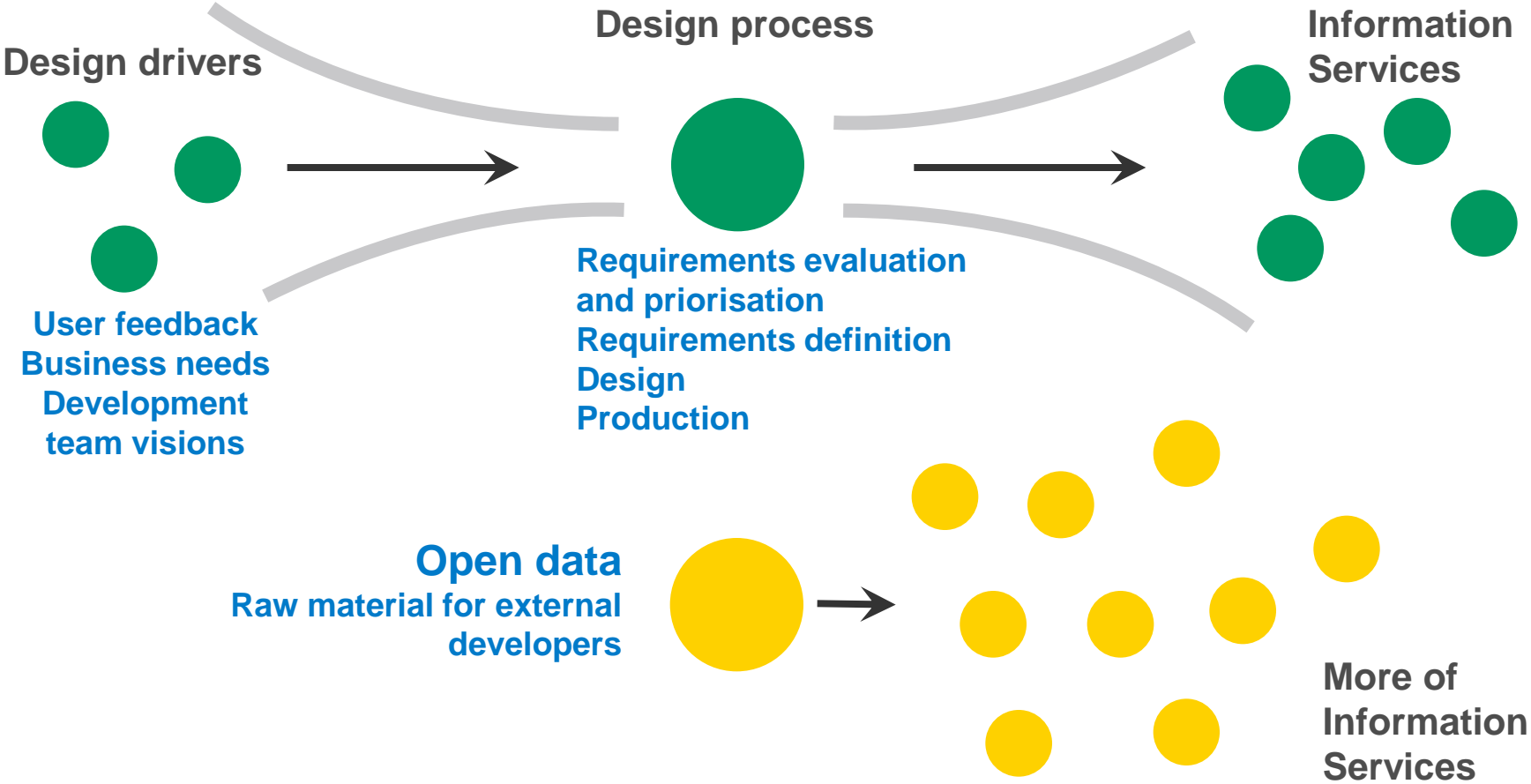


HSL
HRT

Helsinki Region Transport Open Data

Jari Honkonen

Open Data – What?



Open data – Why?

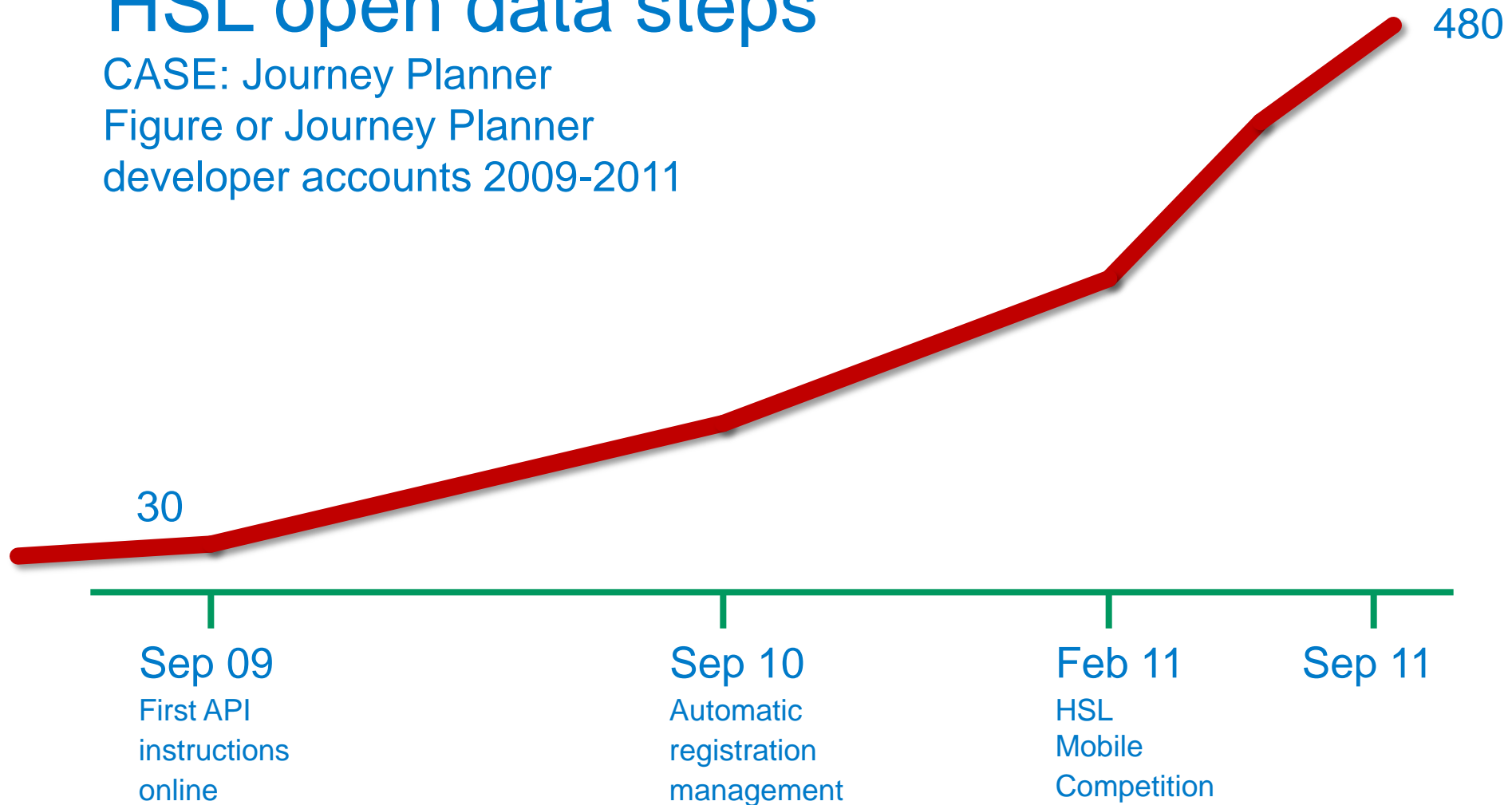
- Get more mobile applications and other services than your organisation can provide
 - More information channels where public transport information is available
 - Fills the gap where HSL services do not reach
 - Increases user satisfaction
 - Creates positive image
- Helps your own research and development
 - Large developer community doing experimenting for HSL
 - Saves tax payers money / gives more with same cost

HSL open data steps

CASE: Journey Planner

Figure or Journey Planner

developer accounts 2009-2011





HSL
HRT

HSL Mobile competition

Data resources

Journey Planner
reittiopas.fi

Data:
Timetables
Public transport routes

API info:
developer.reittiopas.fi

Perushaku Tarkennettu haku

Mistä Pasilan asema, Helsinki Kartta Tallenna Hakemisto

Mihin Vuotie 8, Helsinki Kartta Tallenna Hakemisto ↑↓ Hae paluureitti

Kello 13 :25 Lähtöaika Perillä

Pvm

	Ma	Ti	Ke	To	Pe	La	Su
Toukokuu	22	30	31	01	02	03	04 05
Kesäkuu	23	06	07	08	09	10	11 12
2011	24	13	14	15	16	17	18 19
	25	20	21	22	23	24	25 26
	26	27	28	29	30	01	02 03

Hae Tallenna reitti Pyöräily- ja kävelyreitti

Poikkeusinfo
Ei tuloksen linjoja k
HSL /Poikkeusinfo →

Reittiehdotus: Keskiyö 1.6.2011 Pasilan asema, Helsinki - Vuotie 8, Helsinki

← Aikaisemmin • Nyt ▶ Myöhemmin + Näytä 5 ehdotusta

MATKAAN	PERILLÄ	MATKA-AIKA	KÄVELYÄ	HIILIDIOKSIDIPÄÄSTÖT
1 13:29 G-juna Pasila/VR 13:30 13:35 Metro Rautatientori 13:44 14:02 14:03 0.1 km Pasila/VR 0.2 km Rautatientori 0.1 km		34 min	0,4 km	VALITULLA REITILLÄ 0,2 kg
2 13:42 59 Pasilan asema 13:45 13:57 Herttoniemi 14:04 14:12 14:13 0.2 km Pasilan asema 0.2 km Herttoniemi 0.1 km		31 min	0,5 km	HENKILÖAUTOLLA 2,4 kg
3 13:52 22 Pasilan asema 13:55 14:03 Sörnäinen 14:08 14:22 14:23 0.2 km Pasilan asema 0.1 km Sörnäinen 0.1 km		31 min	0,4 km	Lisätiedot

Huom! Tulokset perustuvat arvioituihin ajoaikoihin. Ehdotetun yhteyden toteutumista ei voida taata.

Data resources

Cycling and Walking planner

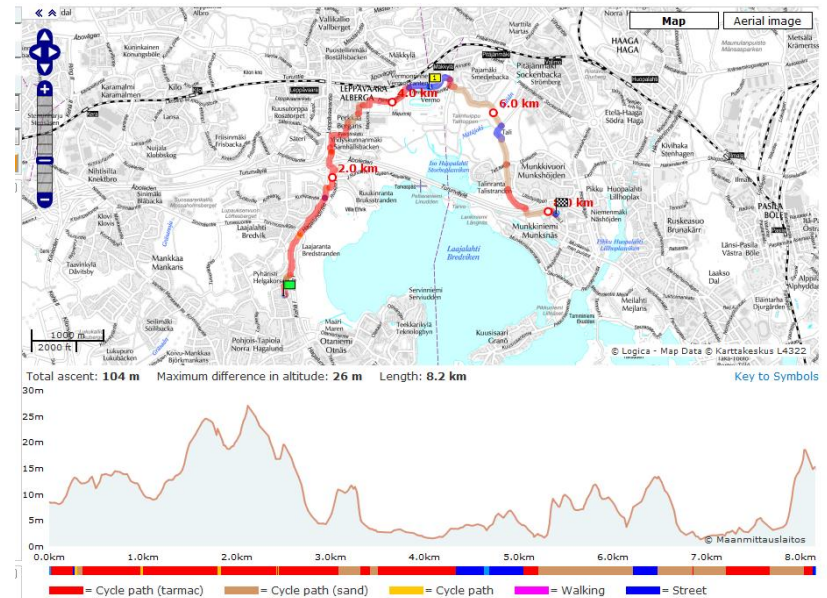
pk.hsl.fi

Data:

Cycling and walking routes

API info:

developer.reittiopas.fi



Data resources

My departures

omatlahdot.fi

Data:

Stop timetables, planned and real time data

API info:

http://dl.dropbox.com/u/20567085/Omat_Lahdot_v101.pdf

Quick search

Situation at: :

Koillisväylä (1020) [Show on map](#) [Show accessibility](#)

Departure	Line	Destination	Stop
14:05	66A	Länsi-Pakila	Koillisväylä
14:09	20	Erottaja	Koillisväylä
14:14	65A	Oulunkylä(Veräjäl.)	Koillisväylä
14:20	66A	Länsi-Pakila	Koillisväylä
14:24	20	Erottaja	Koillisväylä
14:29	65A	Oulunkylä(Veräjäl.)	Koillisväylä
14:35	66A	Länsi-Pakila	Koillisväylä
14:38	20	Erottaja	Koillisväylä
14:43	65A	Oulunkylä(Veräjäl.)	Koillisväylä
14:50	66A	Länsi-Pakila	Koillisväylä

Data resources

Traffic exceptions info

poikkeusinfo.fi

Data:

Traffic exception bulletins

API info:

http://dl.dropbox.com/u/20567085/Poikkeusinfo_XML_rajapianta_V2_2_01.pdf

Traffic exceptions



05.07.2011 13.21 - Tram 7B to Senaatintori, stop Kyllikinportti is not in use. Estimated time: 13:05 - 10.07.2011 24:00.

Data resources

HSL Live

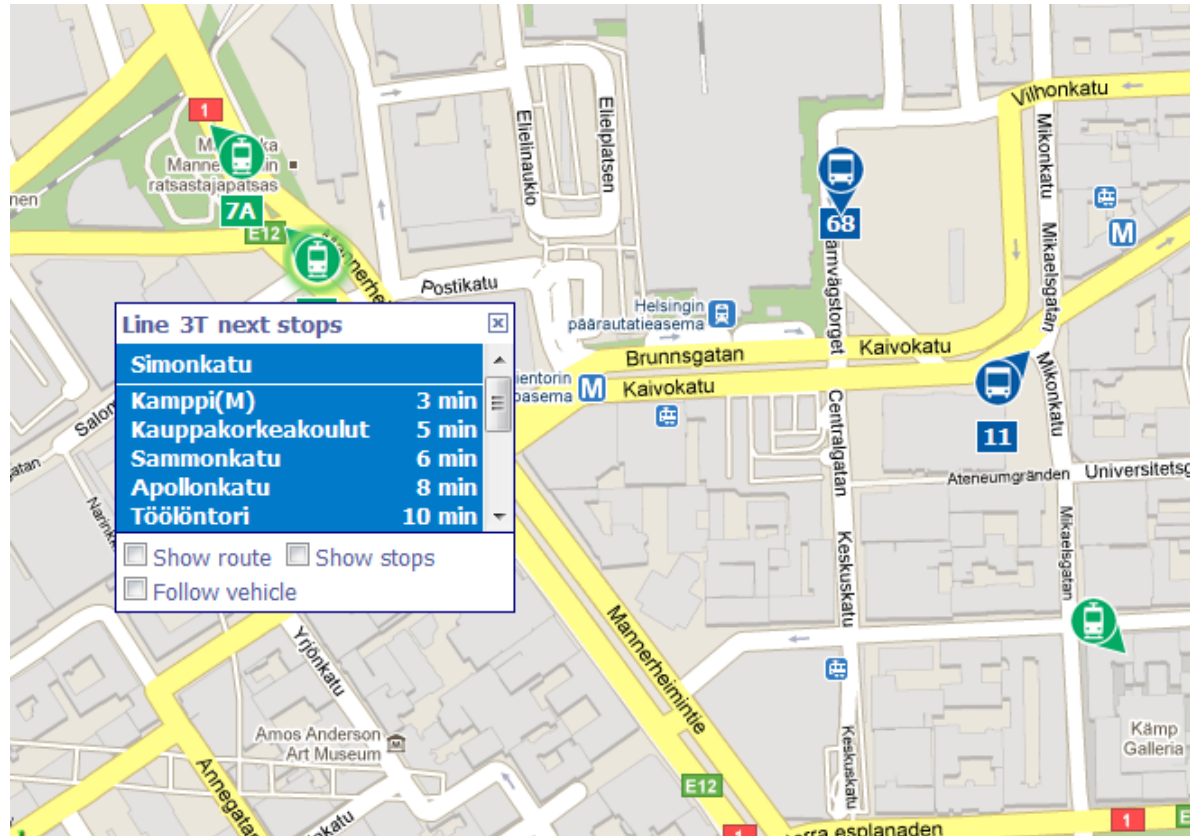
live.mattersoft.fi/hsl

Data:

Vehicles real time location

API info:

developer.reittiopas.fi



Facts

- Total prize money 12 000 €
- Open for existing solutions and working demos
- No categories, open to all mobile applications and services that used HSL information
- Competition period: 7th Feb – 4th of Apr 2011.
- 63 competition entries
- 17 finalists / 8 awarded
3 first prizes, 3 second prizes 2 honorary mentions
- More info: <http://hslmobiilikisa.blogspot.com/p/call-for-entries.html>



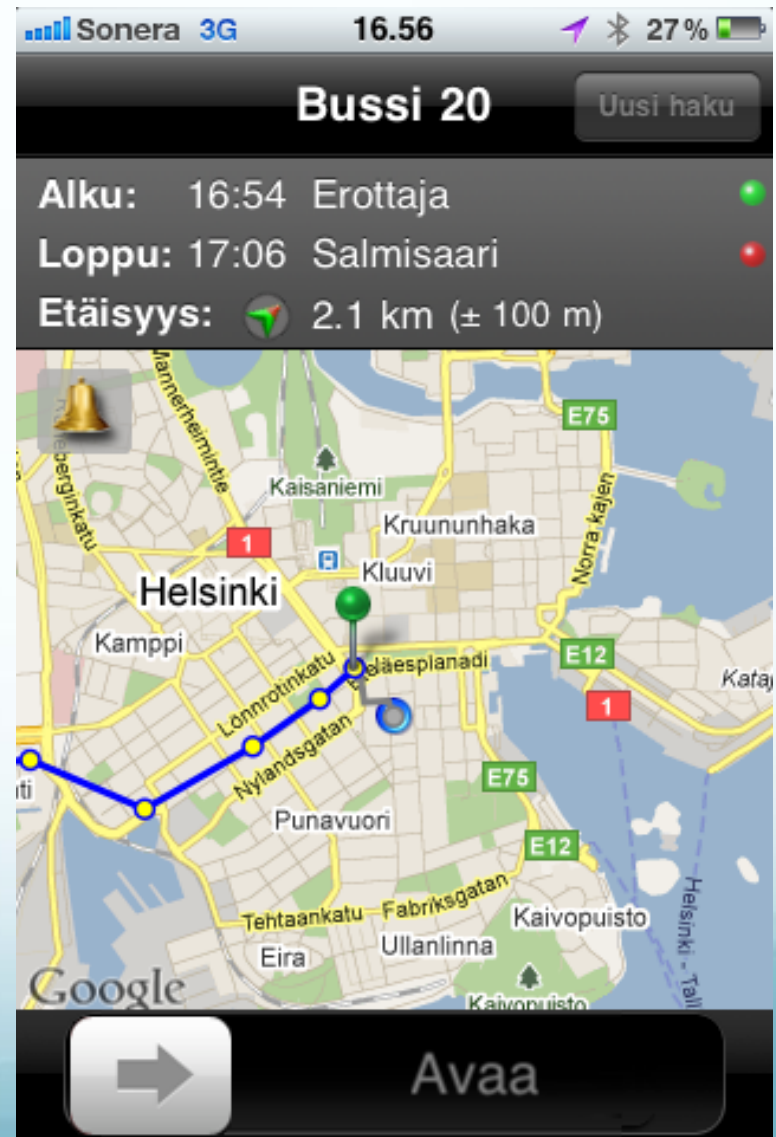
Competition results

- Motivation to developer community
- Interaction with developer community
- Visibility to applications
- Development ideas
- Contacts to good developer resources
- Application and solutions for:
 - Symbian, iPhone, Android, Win7, Web
 - <http://www.hsl.fi/FI/aikataulutjareitit/avoimentiedonpalvelut/Sivut/default.aspx>

ReittiGPS 1st Prize (everyday solutions)

Markus Halttunen / Essentia Solutions

<http://itunes.apple.com/us/app/reittigps-reittiopas-iphonelle/id290859824?mt=8>



Tässä.fi 2nd Prize (everyday solutions)

Markus Tallgren & team / Addfore Technologies

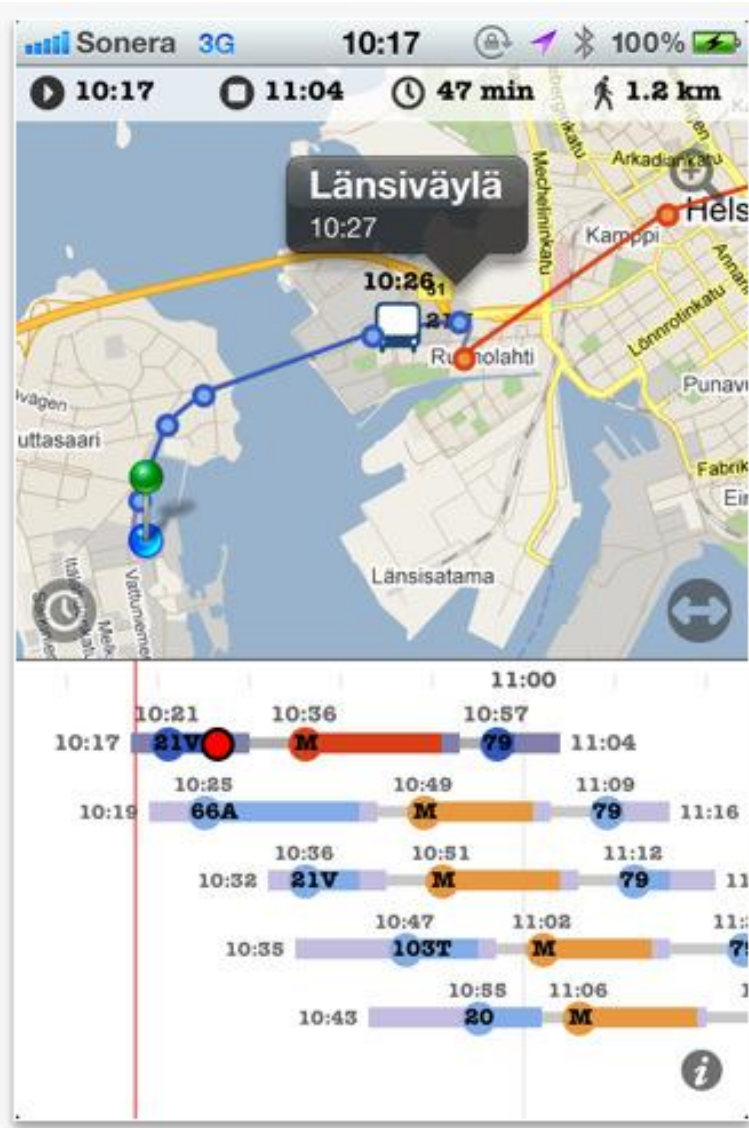
www.tassa.fi



RouteClock 1st Prize (GUI inventions)

Janne Käki

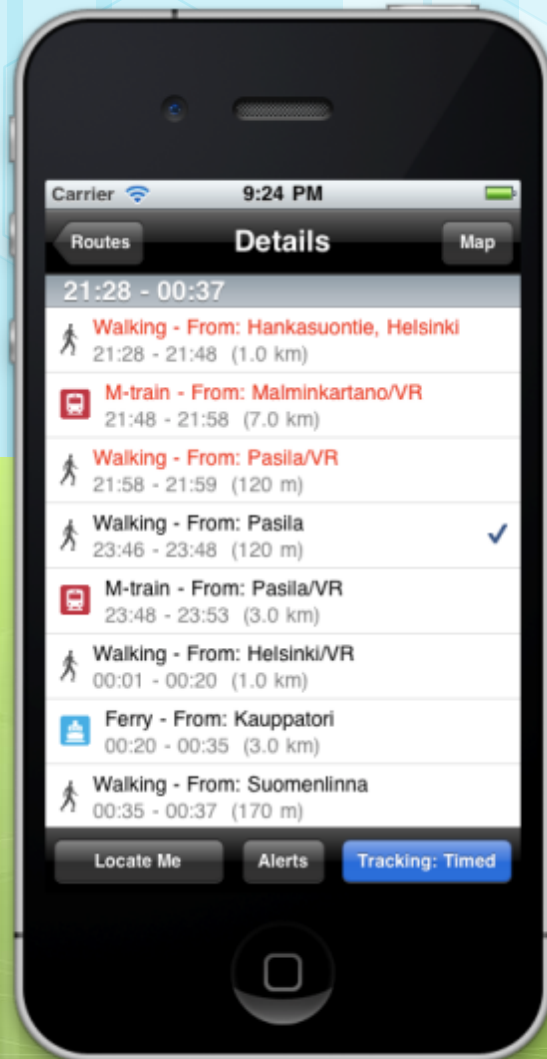
<http://itunes.apple.com/en/app/routeclock/id438379467?mt=8>



AudioReitit

Juho Kostiainen

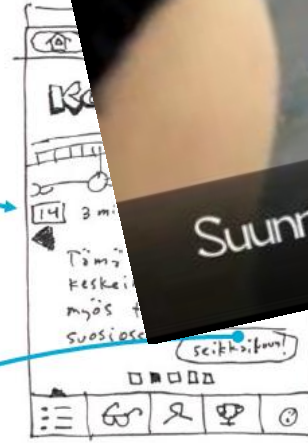
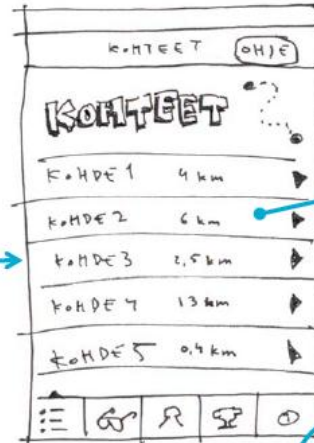
2nd Prize (GUI inventions)



Seutuseikkailu 1st Prize (concepts)

Tuomas Husu & team

<http://www.cs.helsinki.fi/group/seutu/video.html>

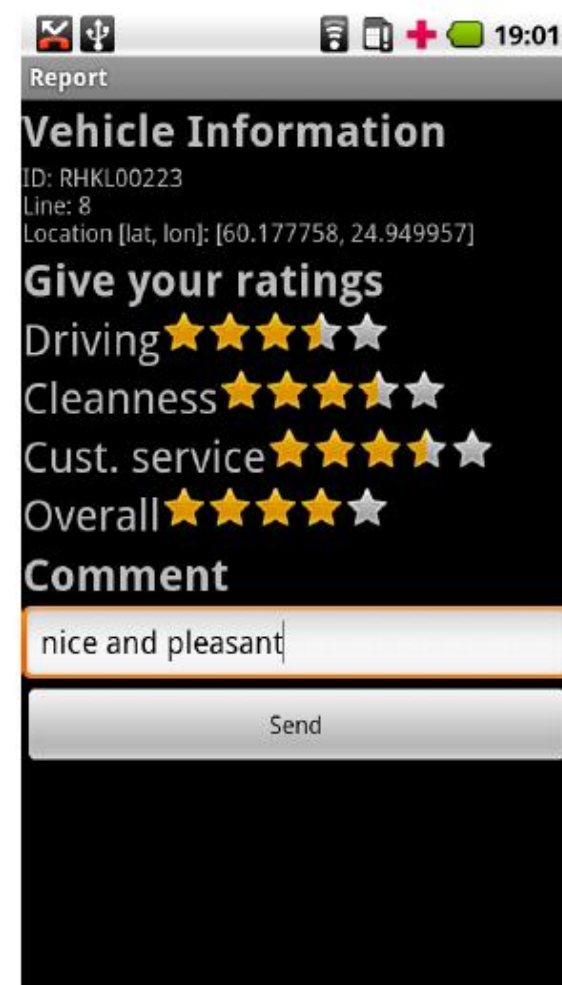
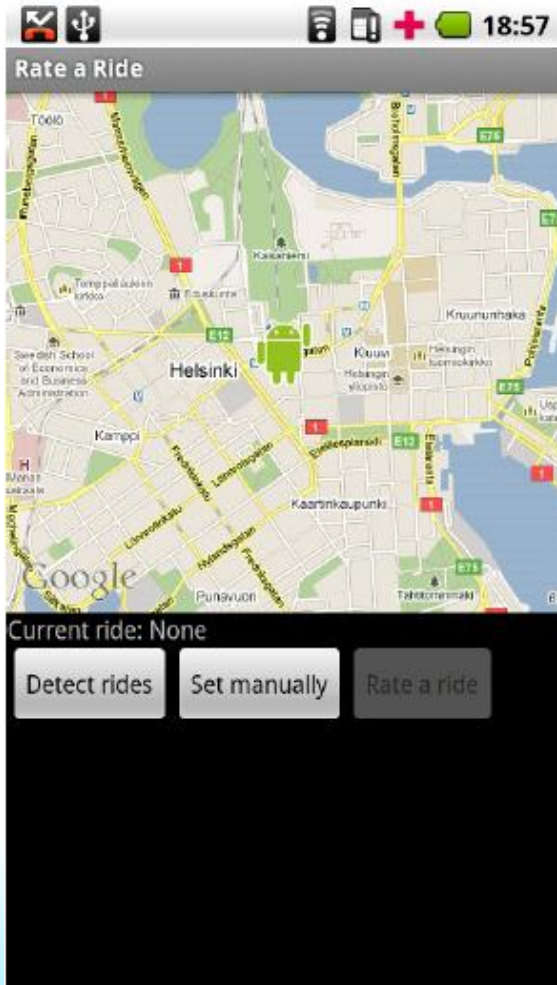


Suunnan voi tarkistaa Taikakiikare



Rate a Ride 2nd Prize (concepts)

Teemu Laine

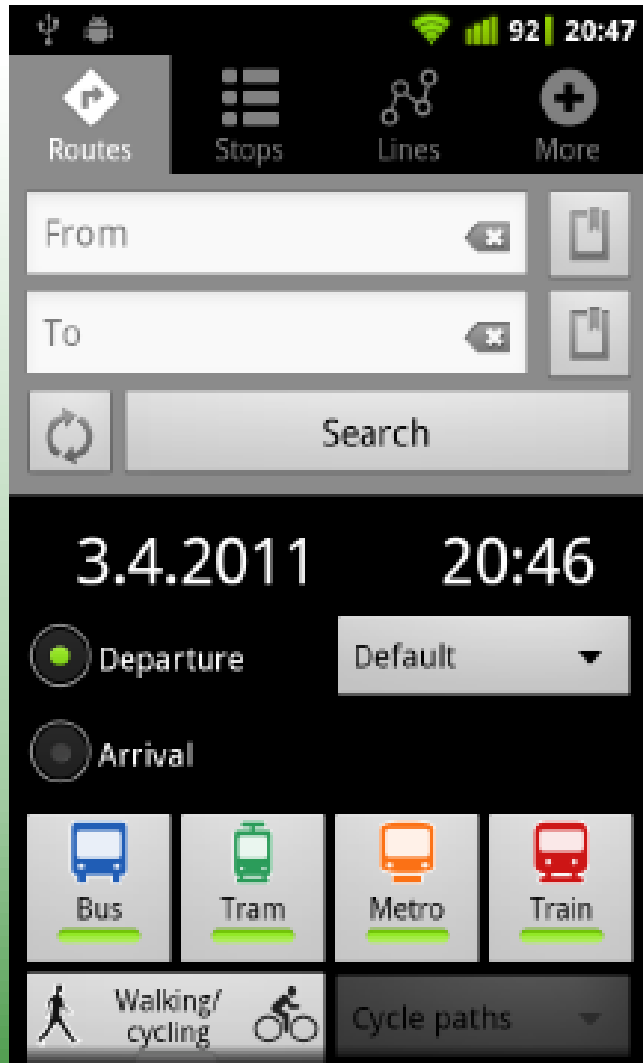


Andropas

Honorary Mention

Aki Lehtinen

<http://akiware.com/andropas/>



Kyyti

Honorary Mention

Ilkka Pirttimaa

<http://itunes.apple.com/app/kyyti/id425989177?mt=8>



Sonera 3G 17.05 20%

Automaattinen keskitys

Pois Minä Taksit

Tekstari *kyyti* Kaukojunat

Poikkeuksia vuoroissa 71

Next step ideas

- Promotion of existing applications
 - List of available application
 - Co-operation with Helsinki Region Infoshare. Helsinki area open data catalogue, www.hri.fi
- Improve design process
 - 3rd party application's user feedback to HSL
 - Provide feedback to developers
 - Open development and test user community
- Open more data
 - Location based information
 - Statistics



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Thank You

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