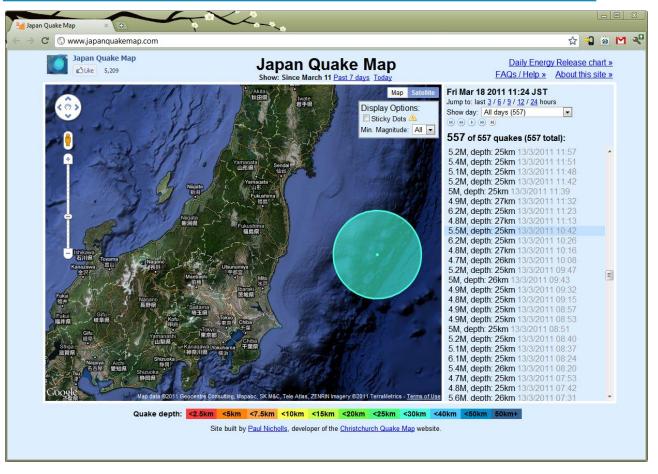
Presenting dynamic information by using web mapping service

# Special Interest Group on Innovative Software

http://www.comp.hkbu.edu.hk/~sigis/

# Visualize Japan Earth Quake

http://www.japanquakemap.com/



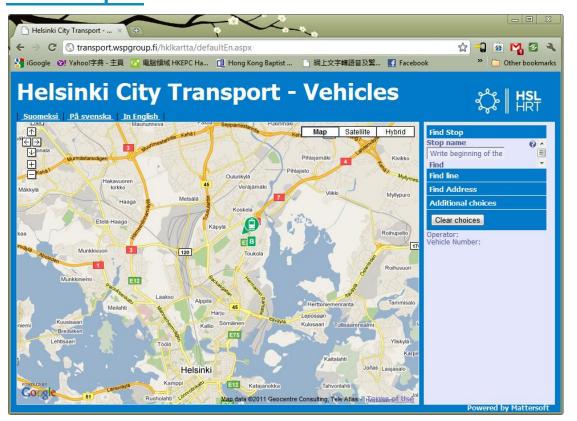
#### Visualize HK Weather Information

http://weather.ap.polyu .edu.hk/index\_c.php



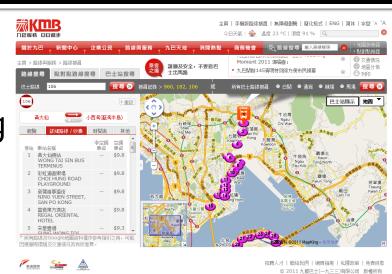
#### Visualize Bus Information

http://transport.wspgroup.fi/hklkartta/default
En.aspx



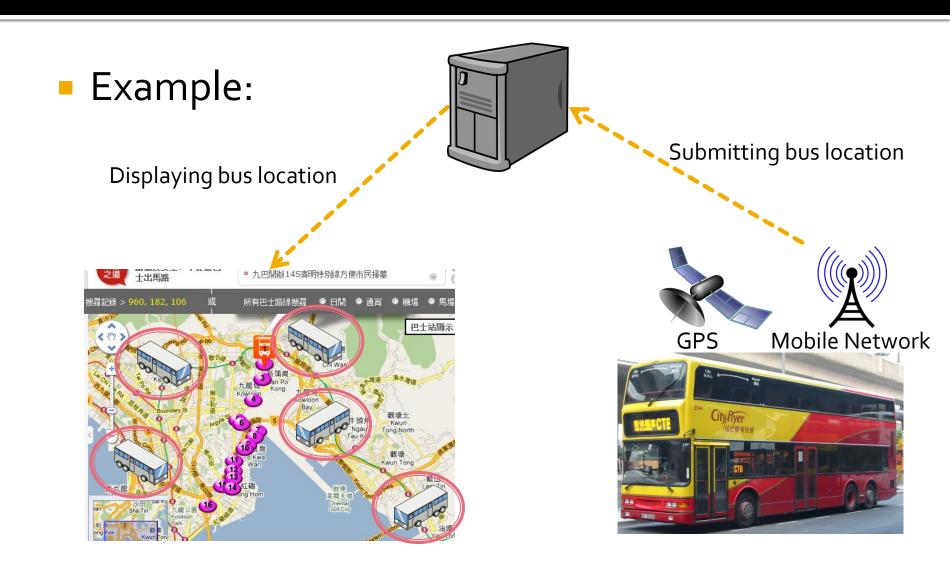
#### Could we do the same for HK Buses?

- KMB:
  - Present their bus stop using Google Maps
- City Bus
  - Providing free WIFI service in some "Cityflyer" and "Cross Harbour Tunnel" routes
- Could you imagine how to integrate these two technologies?



Free Range Commuting

## Could we do the same for HK Buses?



- Traditional way:
  - Listen to radio broadcast
  - Watch TV news
  - Check the transport department website



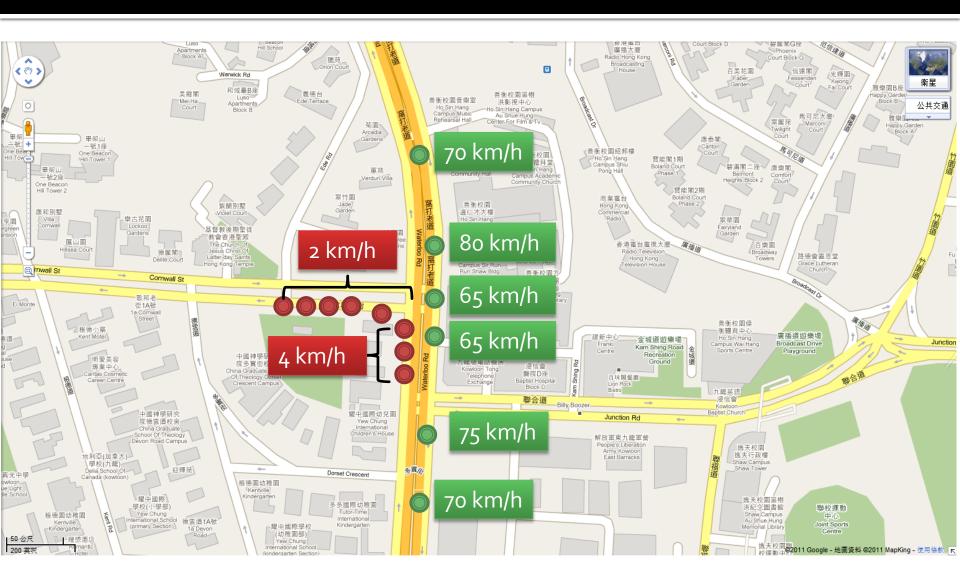


Google Maps does not offer any traffic data in

Hong Kong I Wegelstown Chambersburg Chamber

Apart from getting data from transport department, how can we get it by ourselves?

- Make use of location of a mobile device again!
- Create a system to gather location and speed from mobile devices for a particular location.
- Movement speed of mobile devices on a highway can indicate the traffic condition.
  - High speed = Good traffic condition
  - Low speed = Bad traffic condition



#### Feasibility:

- The feasibility is subject to the number of participants in the system.
- Effectiveness will be affected by the availability of GPS signal.
- For a small road, we also need to take the "car stopping time" into account as there will be more traffic light throughout the journey.

## Visualize number of people

- By using the same principle as the traffic data, we can also visualize the number of people using web mapping service.
- How to improve the accuracy if our target is marches, rallies, or sit-ins?
  - Tips: Look for the statistics and the event background information

## Interesting IT News

- Story of hiring hatchet man for promoting sales and services in different social networking website.
- Ref.: http://unwire.hk/2011/03/19/internet-gunner/headline/

# Interesting IT News

Is it possible to use our computers to detect earthquake?

- Ref.
  - http://qcn.stanford.edu/
  - http://www.computer.org/portal/web/news/home/-/blogs/3147559;jsessionid=b19be21ace5e28acf7565501918c