

# International Smartphone Study

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## INTERNATIONAL SMARTPHONE STUDIES

Nokia's SP360 research has acquired data from five different countries, most extensively from Finland. In Finland the collaboration includes...

- Nokia
- TKK / COIN project
- TeliaSonera
- Elisa
- DNA Finland











- A pioneering method of doing empirical research in the mobile market!
- Lots of accurate international early-adopter data available
- 2 M.Sc. theses, 1 Lic.Sc. thesis, 1 journal paper and 4 conference papers published
- Doctoral dissertations under work
  - Automation of data mining
  - Longitudinal and cross-country comparisons
  - Adoption studies
  - Role of challenger services (e.g. Internet) and radio access (e.g. WLAN)



# Research Method is Nokia's Invention

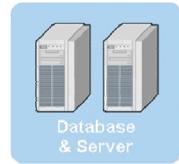








**HTTPS** 



GPRS / **WCDMA** 

Gateway

The client SW is transparent to the panelist.

Client SW observes applications and services usage on the device and makes a daily datalog.

Data transfer is automatic Application uploads data daily.

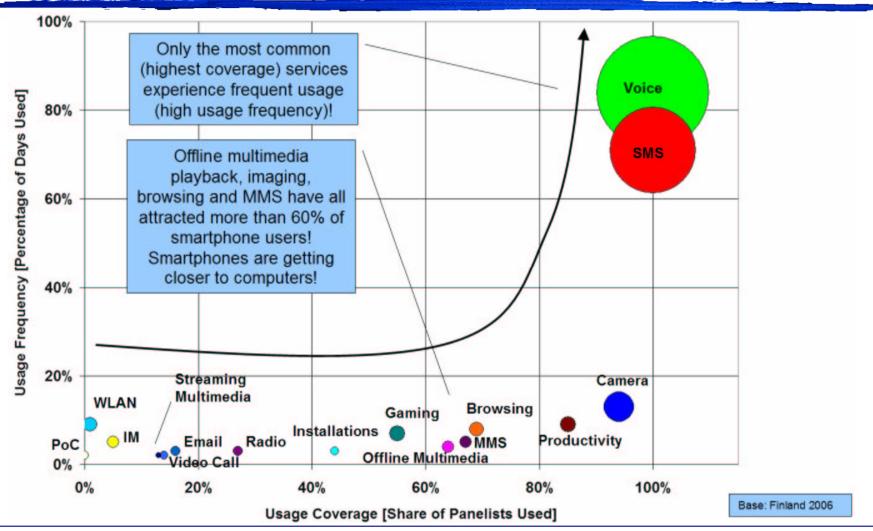
Datalogs are sent compressed and encrypted over packet data / Internet link

Data in servers is anonymous. Each panelist is identified by an anonymous person ID.

Aggregated and anonymous raw data is used for reporting.

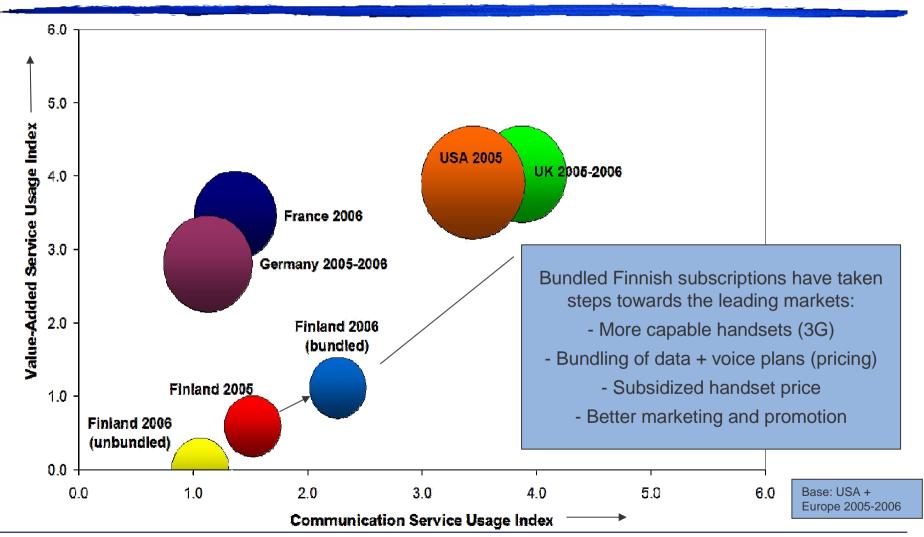


# Voice and SMS Still Drive Usage of Smartphones!





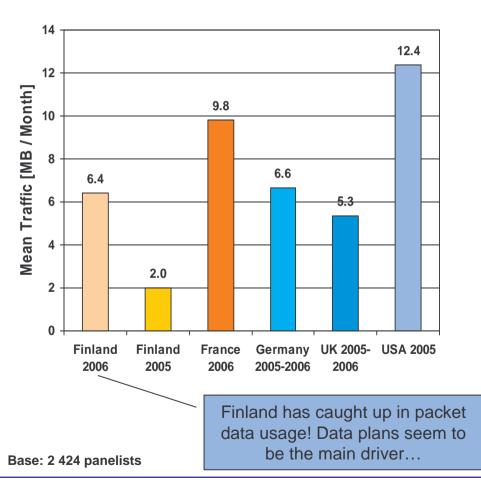
## Finland Lags Other Markets – Bundling is not Irrelevant





# The Mobile Internet is Coming – USA Leads

#### Mean Traffic / Month / User



### Usage of Mobile Internet Services

