

## Anatomy of Mobile TV Use Cases

Exploratory Field Study Seoul 2005

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Seoul, South Korea, 8 in-depth participants Contextual and home interviews, day mapping Street observation, artifacts, use



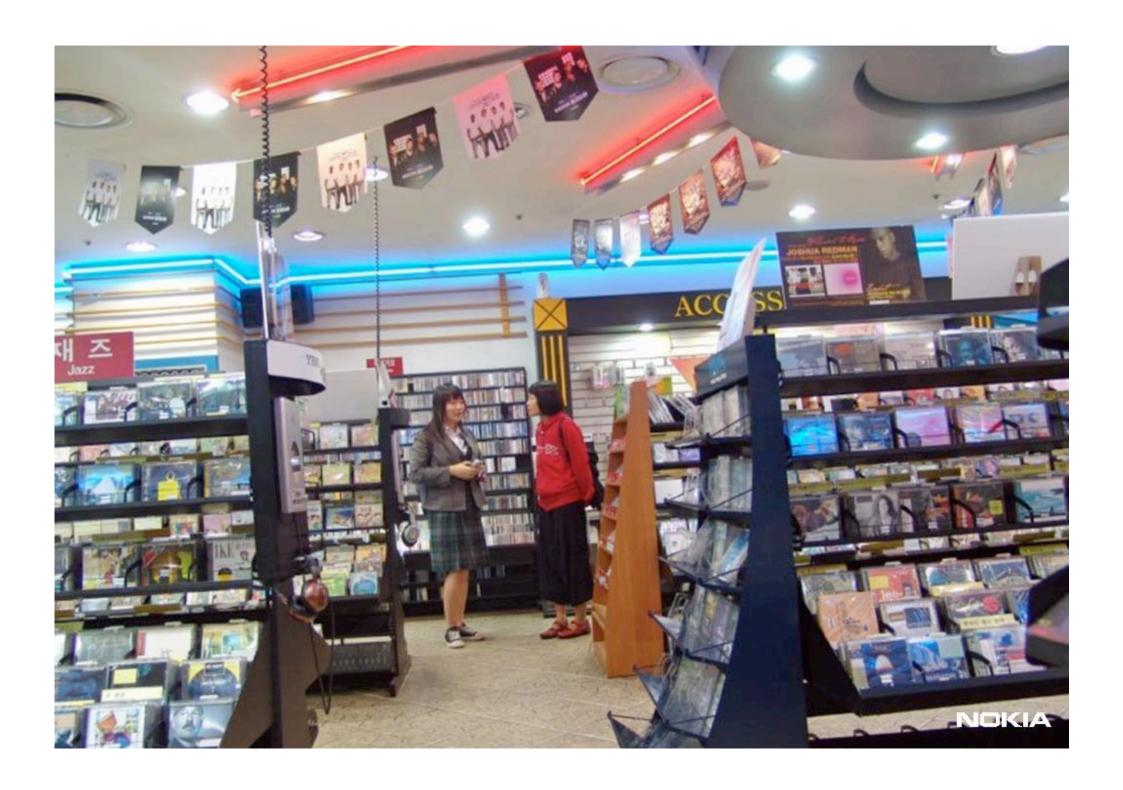








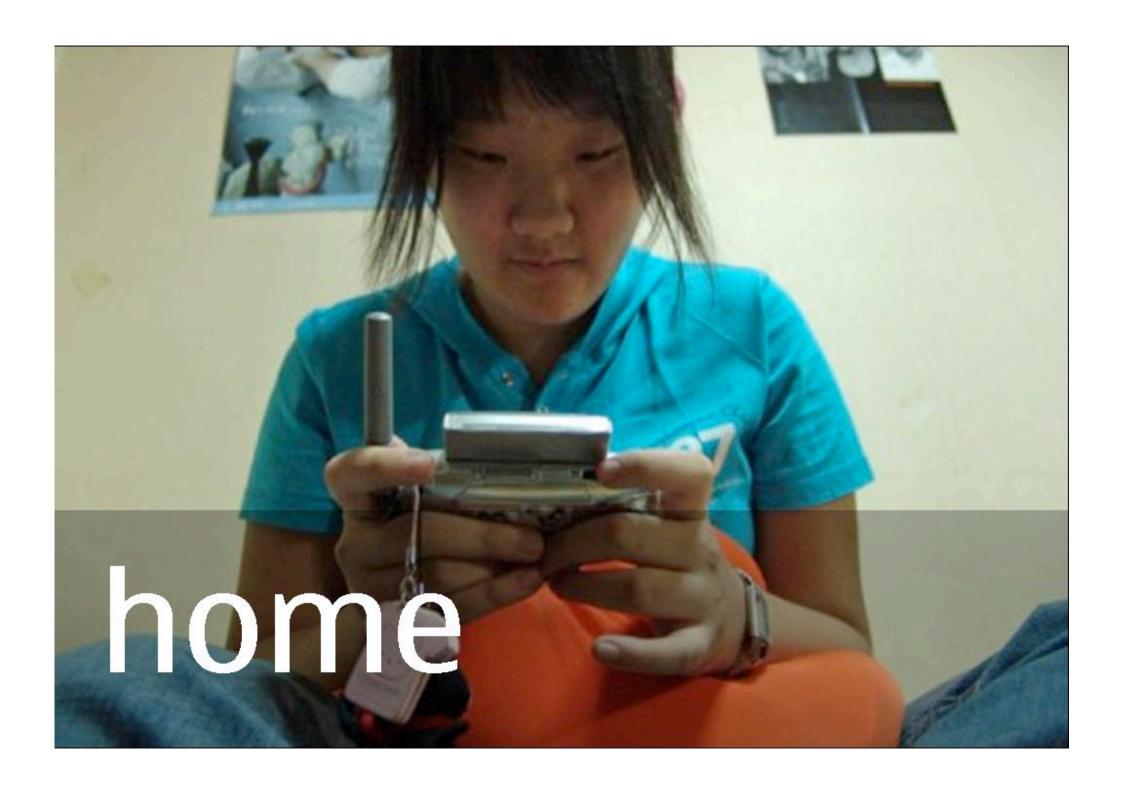




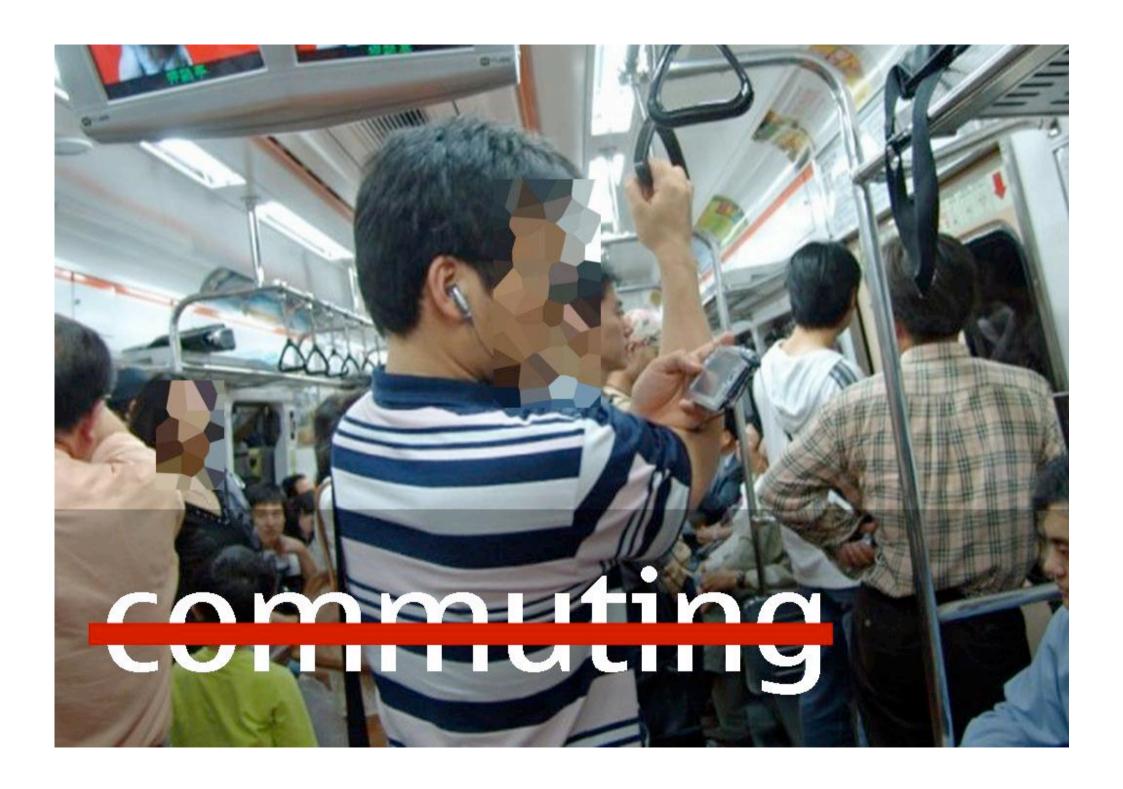


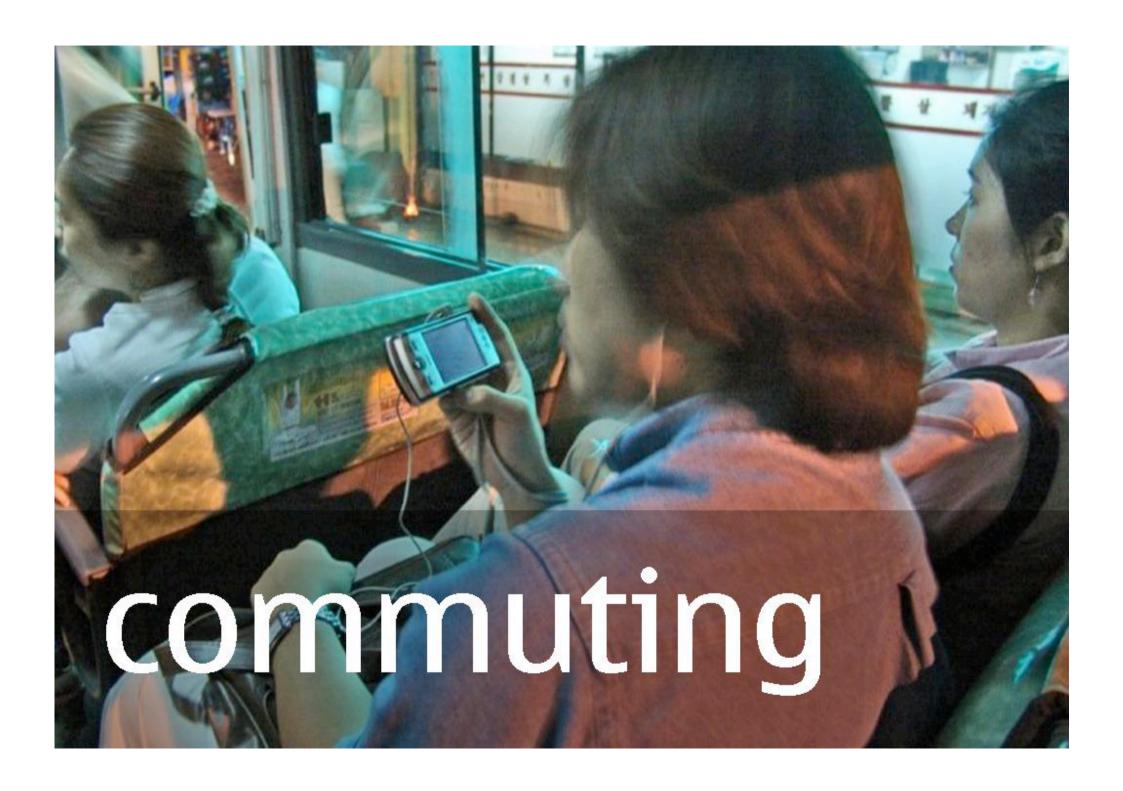
# (limits of this research)

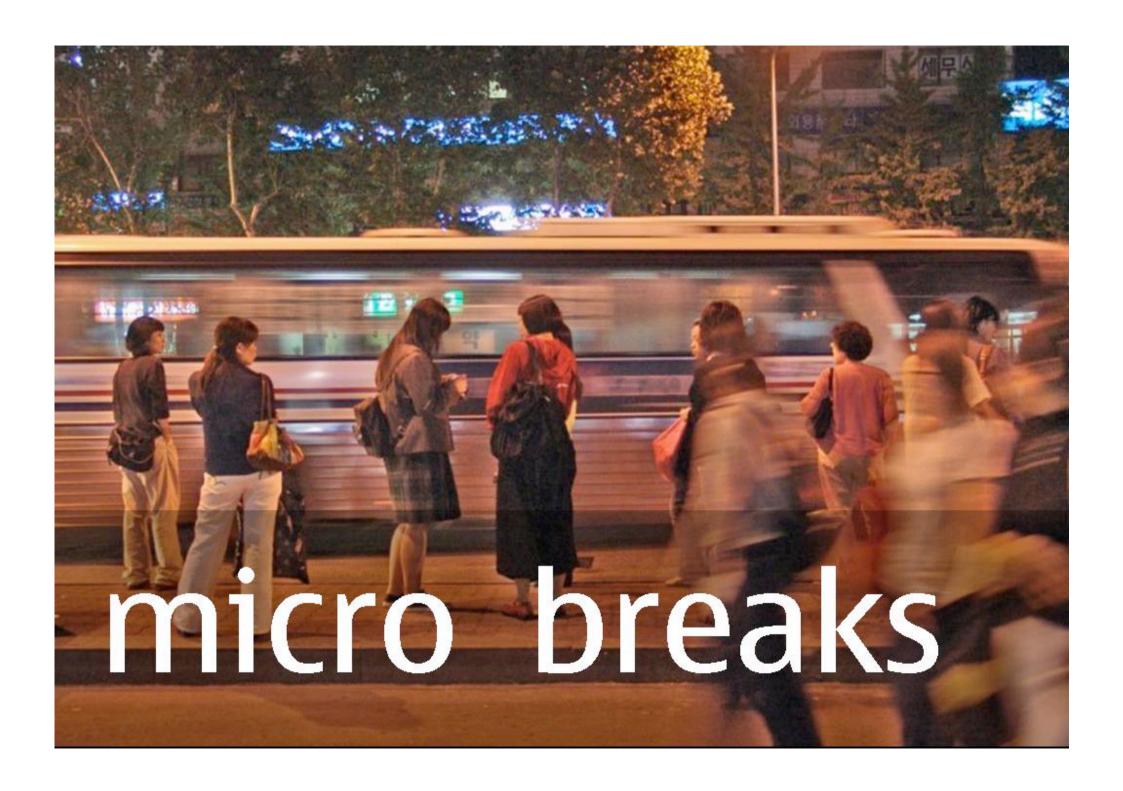
#### four use cases

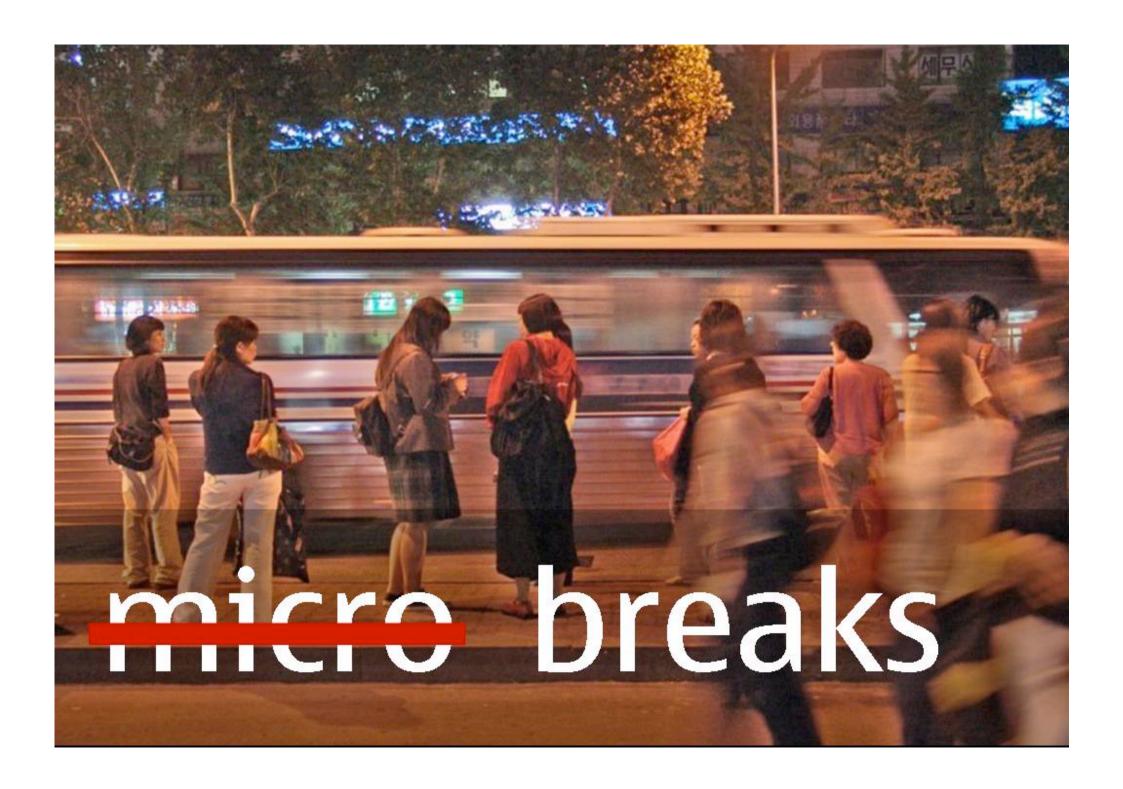


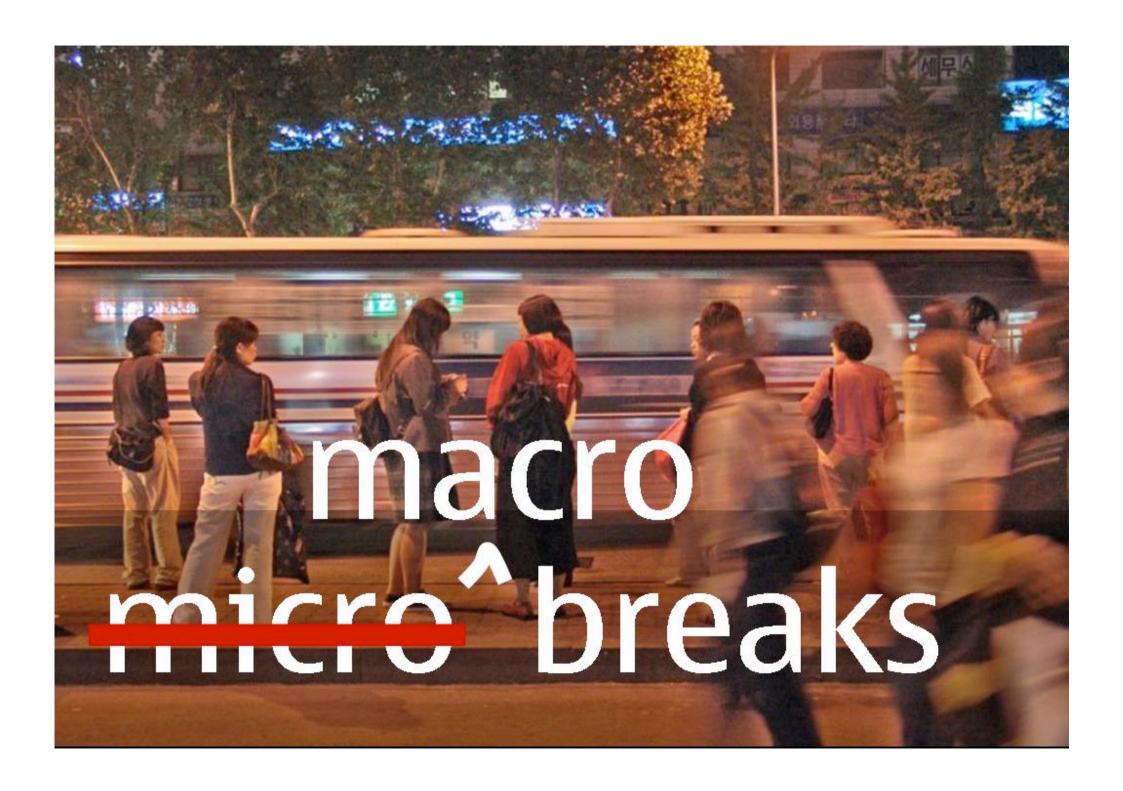








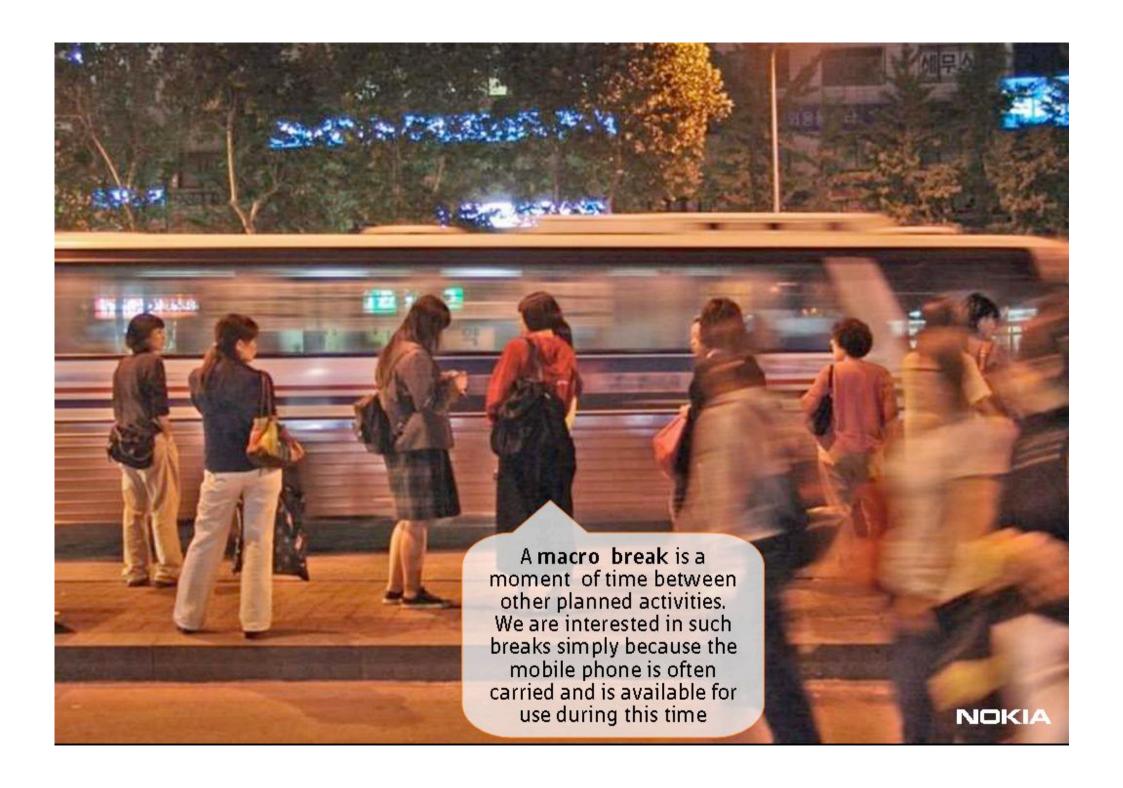






#### macro-breaks



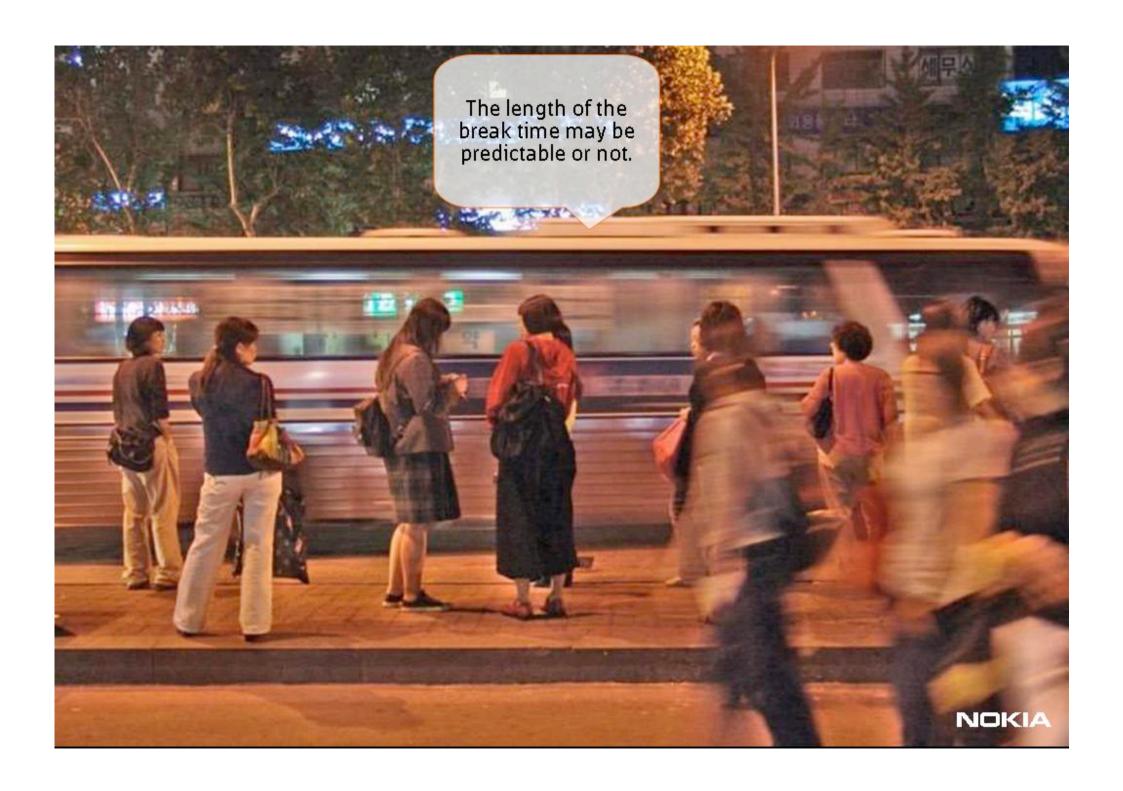


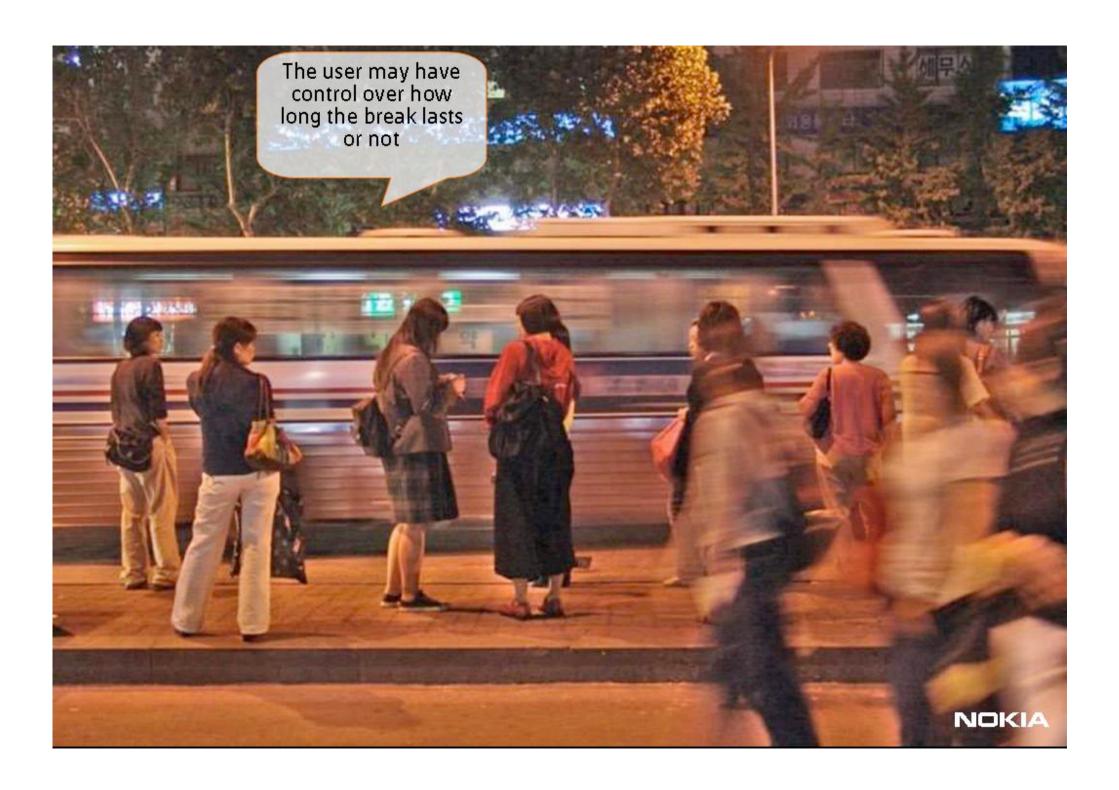


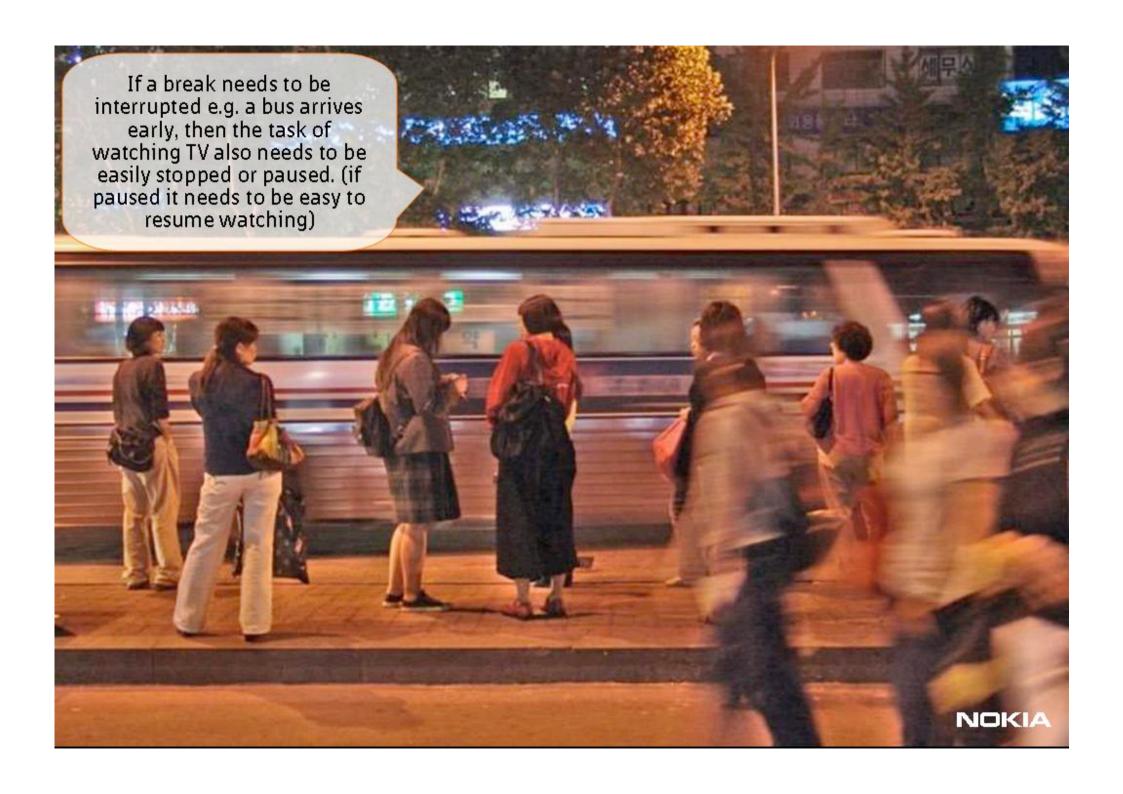




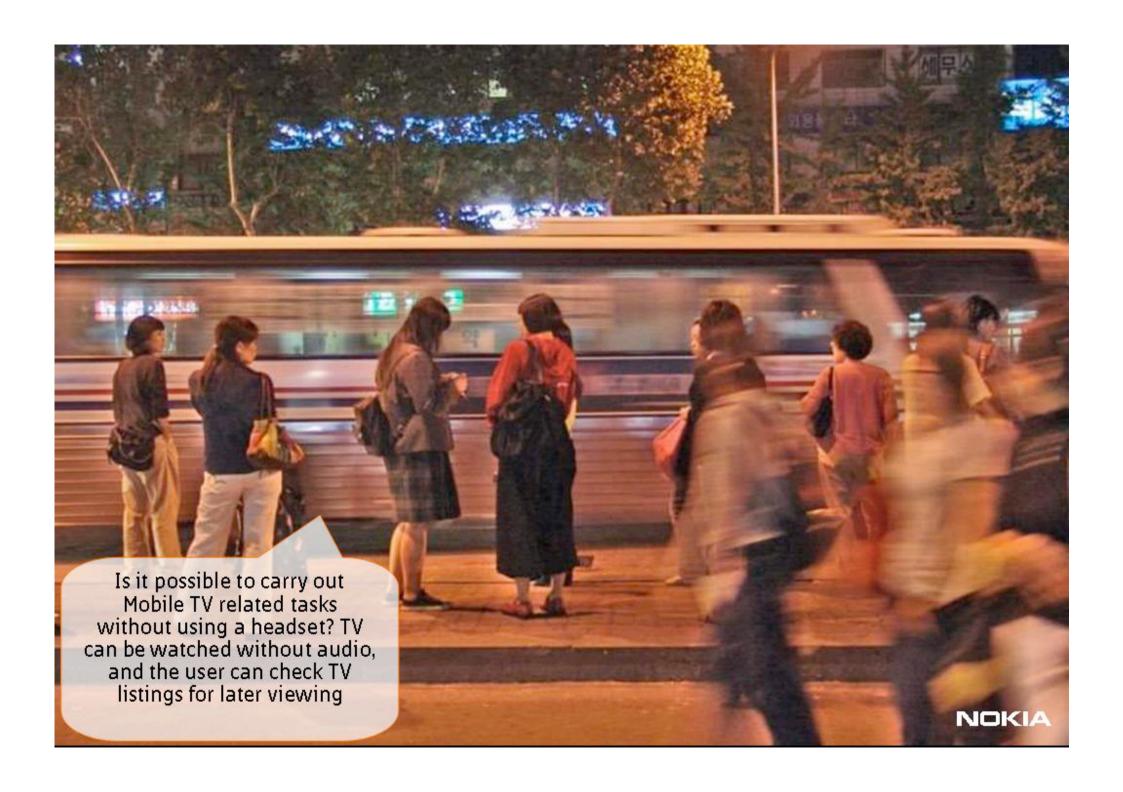














If a break needs toontrol over how The user may have interrupted e.g. a long the break last early, then the task watching TV also needs to be easily stopped or paused, (if paused it needs to be easy to resume watching)

The length of the break time may be predictable or not.

Mobile TV is a candidate activity Some for use during breaks. However planne the user needs first to find content they wish to watch and (depending on the system) then connect to a TV channel (DMB in South Korea took up to a minute to connect). The headset may need to be worn for content to be

fully enjoyed

Common activities during macrobreaks include checking for incoming communication. playing a guick game (of snake), sending a message, or browsing a web

The ambient conditions vary considerably depending on where the break occurs. The noise level will affect whether a headset is needed. whether the user can hear audio (and disturb others), the lighting conditions will affect whether the screen can be seen

Is it possible to carry out Mobile TV related tasks without using a headset? TV can be watched without audio, and the user can check TV listings for later viewing

A macro break is a However moment of time between alternat other planned activities. messa We are interested in such web me breaks simply because the as still mobile phone is often shorter carried and is available for use during this time

Examples of macro breaks nclude sitting in a traffic jam, waiting for kettle to boil, waiting for friends, waiting for an elevator, to cross the road, for public transport to arrive, for a sports event to begin, having a cigarette

### evening commute



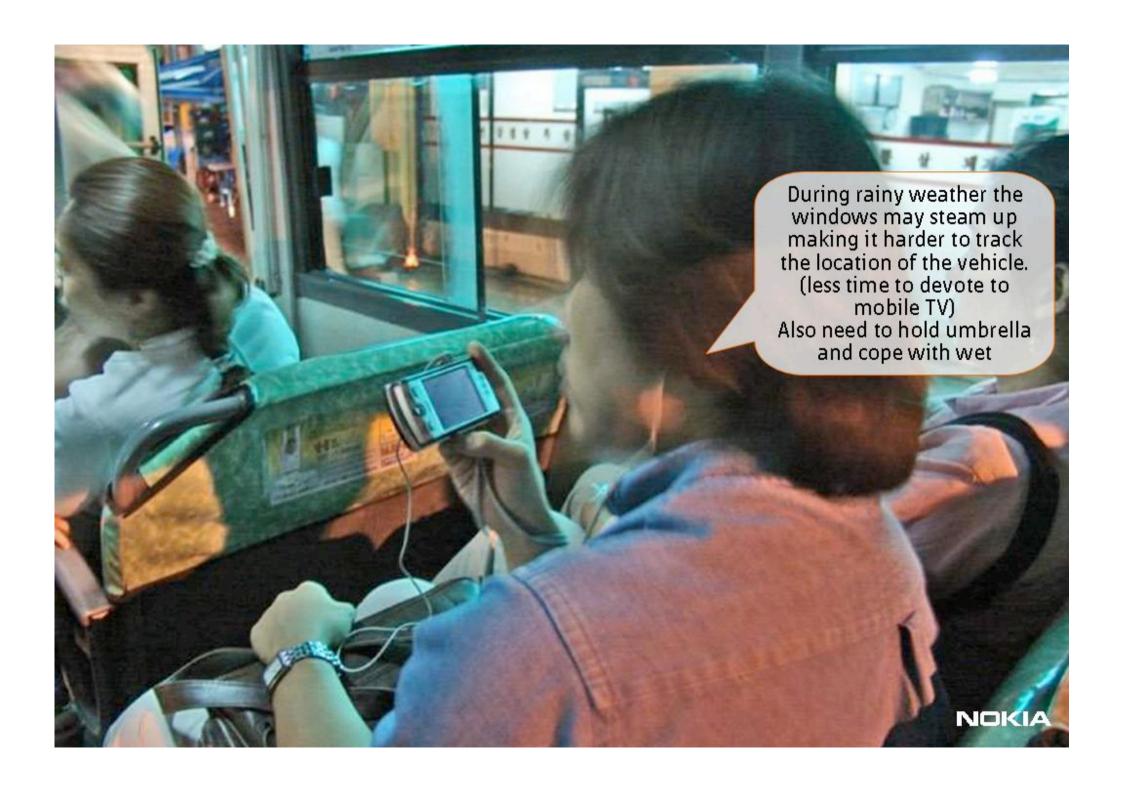
































Mornings tend to include high pressure tasks such as eating breakfast, managing appearance, getting into office/school on time which leave less time for relaxed mobile TV watching.

However it varies between

Music is a better mood pregulator than TV inice is to the morning shands maybe required for support at short notice

(more for busses than for subway)

differences in how people commute in different cultures. For example 75% of

Watching TV means he is not able to keep an eye on his bag = higher risk of theft. Bag is likely to rest on lap, and the mobile TV will rest on the bag A one hour commute may include only 15 minutes time which is suitable for watching Mobile TV. User may switch from audio to T. and back during the commute (one bonus- at least the battery wont run out)use

Externation The signal reception varies reflect as the bus moves between neighbourhoods. Externally antenna too bulky to carry, making it harder to track

the location of the vehicle.
(less time to devote to mobile TV)

Also need to hold umbrella and cope with wet

Limited privacy watching in close public space

Watching in public requires use of a headset to avoid disturbing other. Sound from announcements from the bus conductor disturb

Keeping track of the time is possible without headset? It we adsets varies important w Shared use tricky subtitles or tagging eadsets are not without additional time setup takes longer

## home use







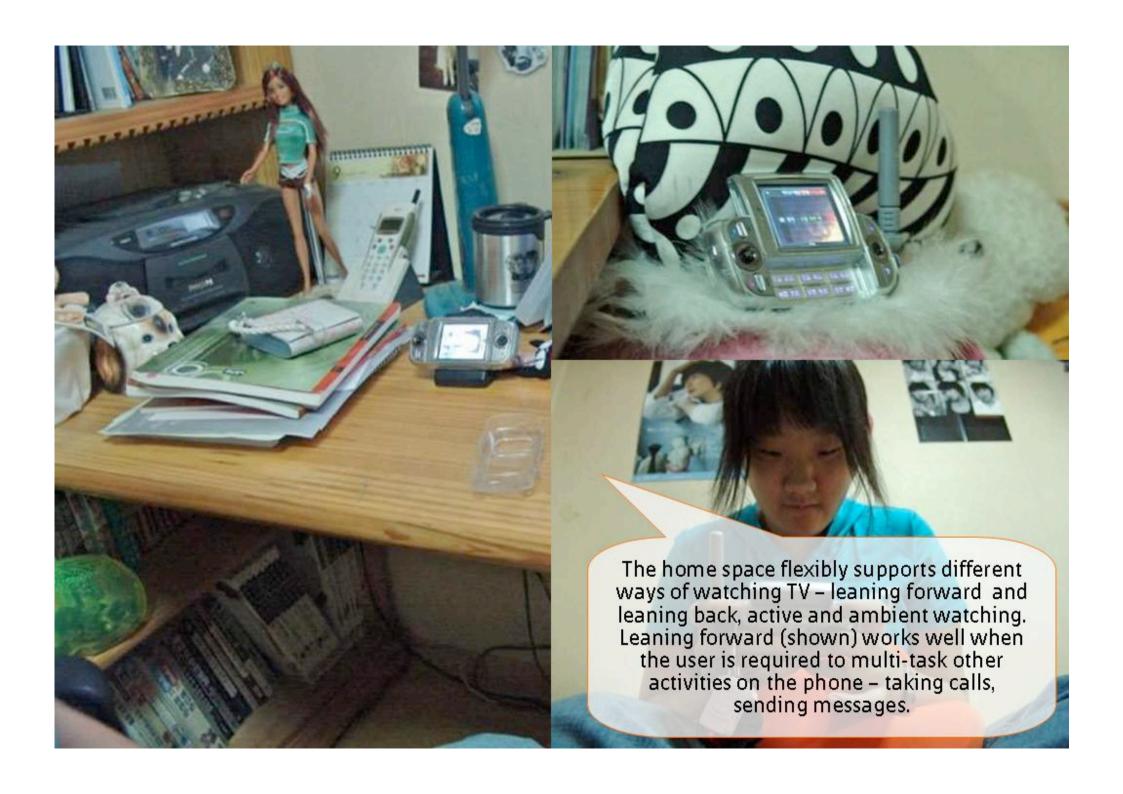


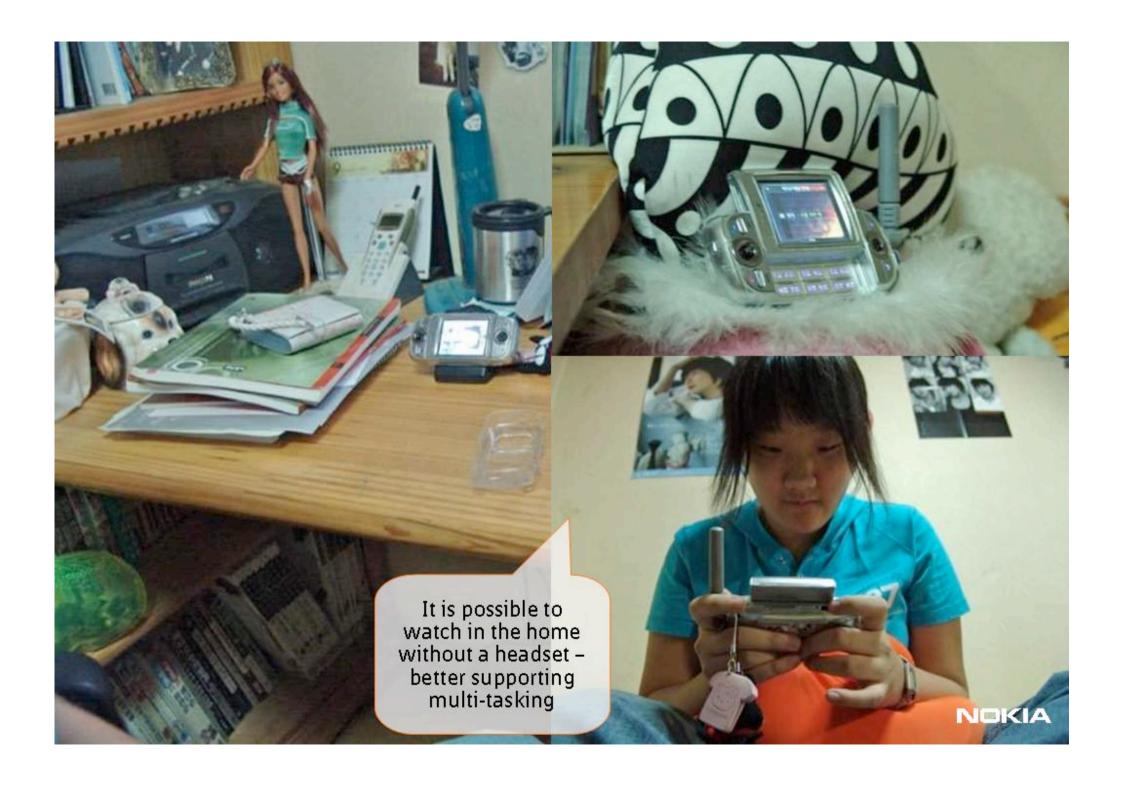


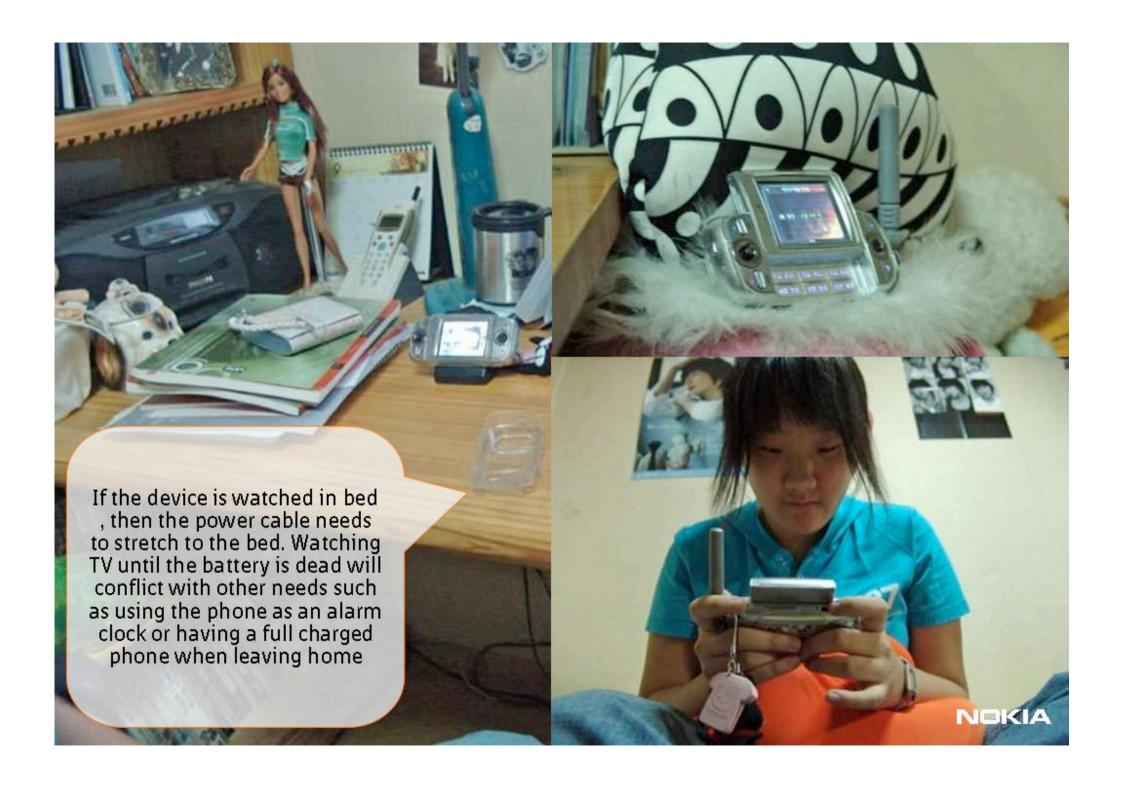














Surprisingly the hom is one of the mos popular places to watch mobile TV. B why?

the living room re negotiation with members, whereas is in control of mob

There are strong cultural differences regarding the Using the main (sha number of regular TVs in the home. In the USA teens are likely to have a TV, but much less likely in Korea. Do people watch Mobile TV when an alternative is available? It partly depends on what contents fand features) are available through each medium

For our participants the bedroom was the major place to watch mobile TV. It's a comfortable space over which they have a high egree The bedroom space is also suitable for can

watching very personal media III

The reception in parts of the home can vary considera bly

The chances are that the docking station is also kept in the home. The device may be used for long periods of time, so it will need to be plugged in whilst in use

If the device is watched in bed , then the power cable needs to stretch to the bed. Watching TV until the battery is dead will conflict with other needs such as using the phone as an alarm clock or having a full charged phone when leaving home

It is possible to watch in the home without a headset which supports multi-tasking

If an external antenna is available for the phone then it is likely to be stored in the home (it is otherwise too bulky to carry on the off-chance it is needed)

The home space flexibly supports different ways of watching TV - leaning forward and leaning back, active and ambient watching. Leaning forward (shown) works well when the user is required to multi-task other activities on the phone - taking calls, sending messages.

## Full paper to be published in due course

To include: Drivers for use; barriers to adoption; practices of shared use; device lending; a additional use case (excluded here); immersion vs. distraction; cultural differences; mobile phone as a TV vs. as a communication device; & a discussion on the future of mobile TV.