

- ~ 6.6 billion
 - 3.3 billion cellular connectivity
 - 1+ billion products sold per year
 - 16 phones per second NOKIA

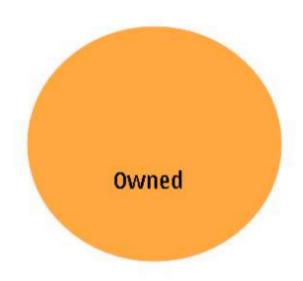
Nokia Design

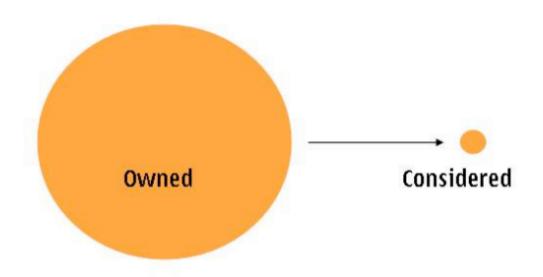


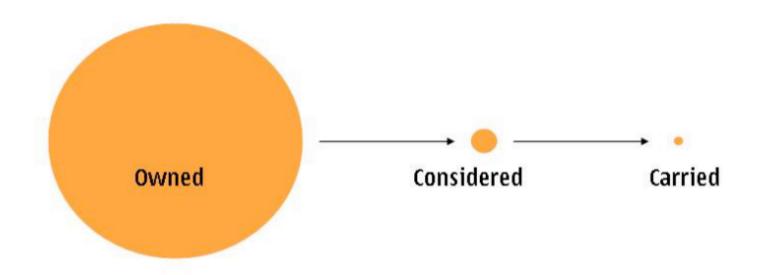
exploratory design research 3-15 years

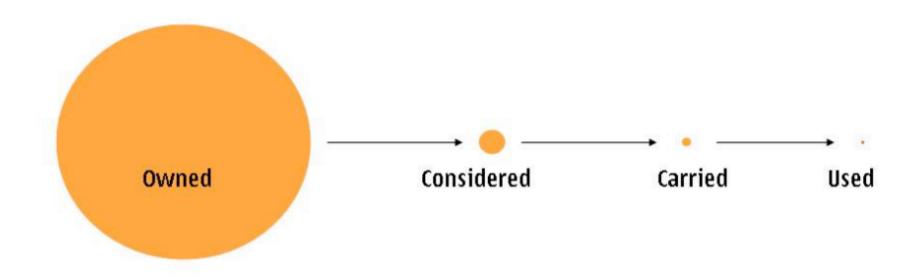


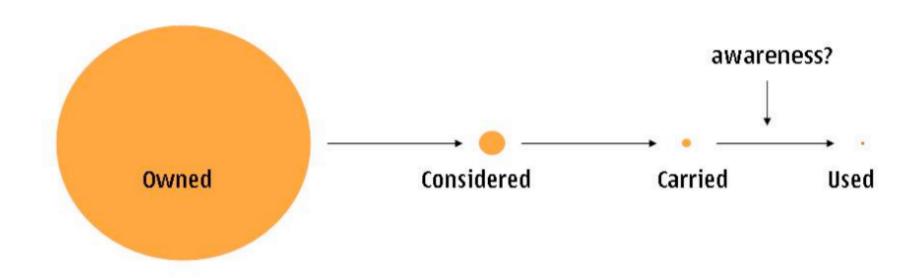


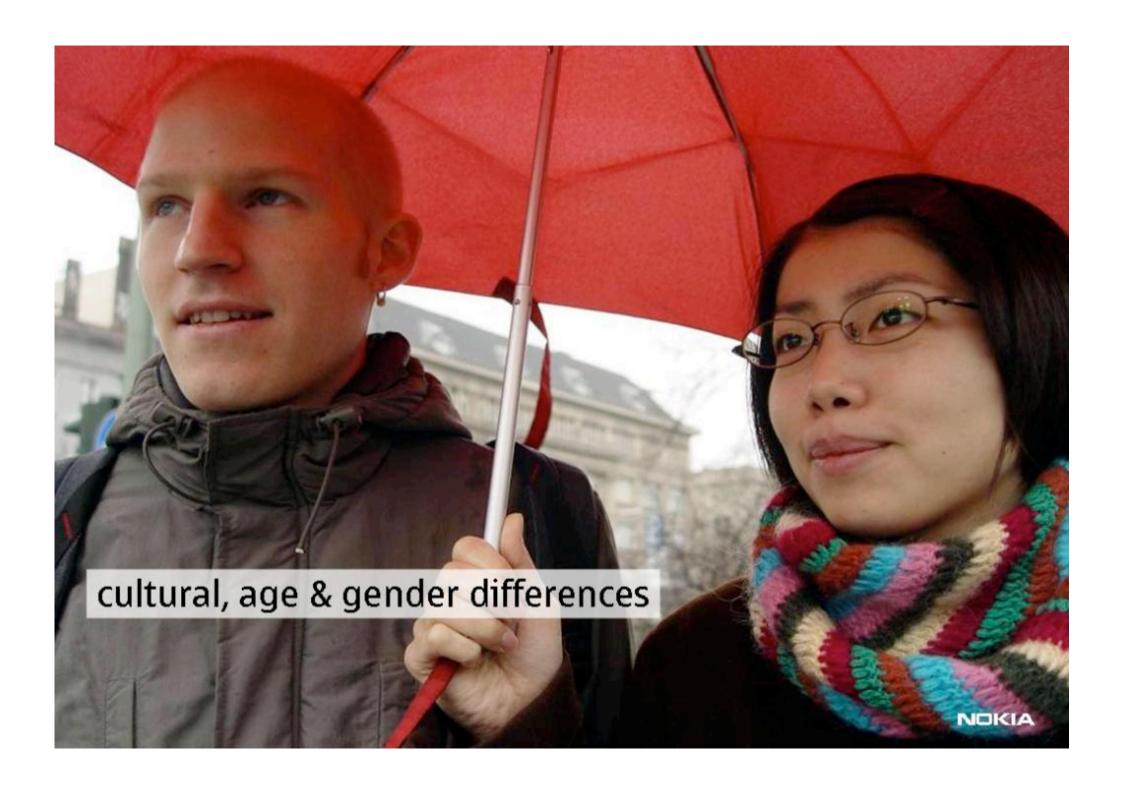




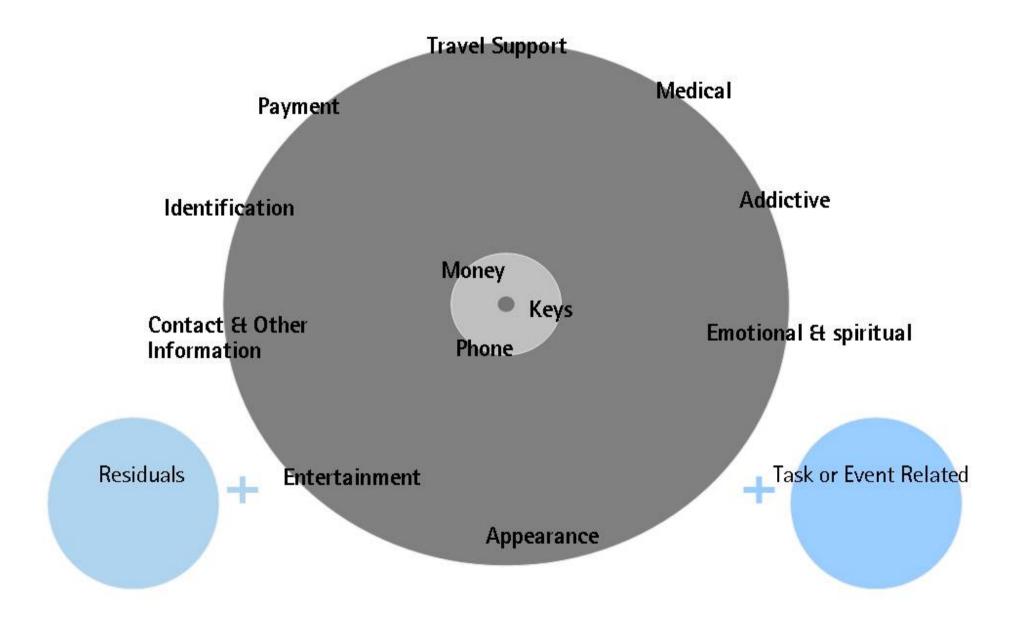


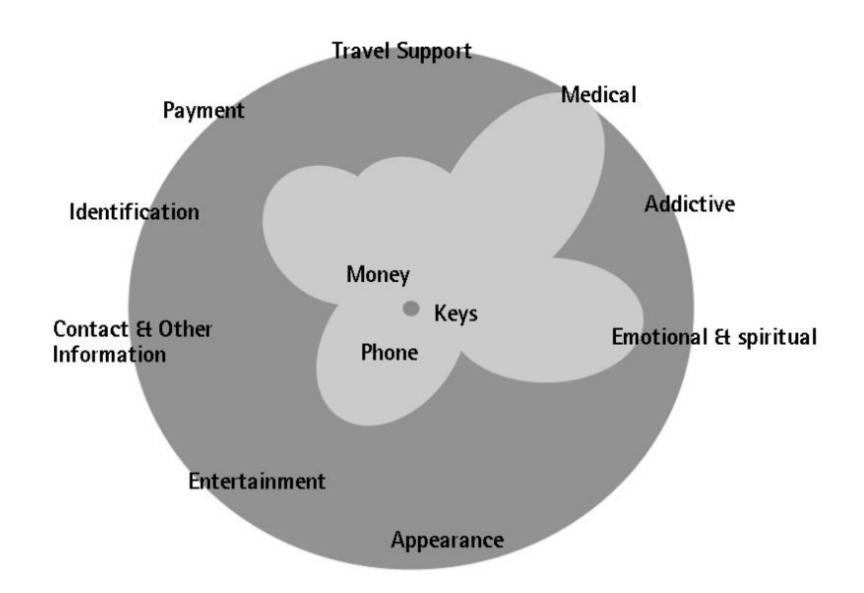


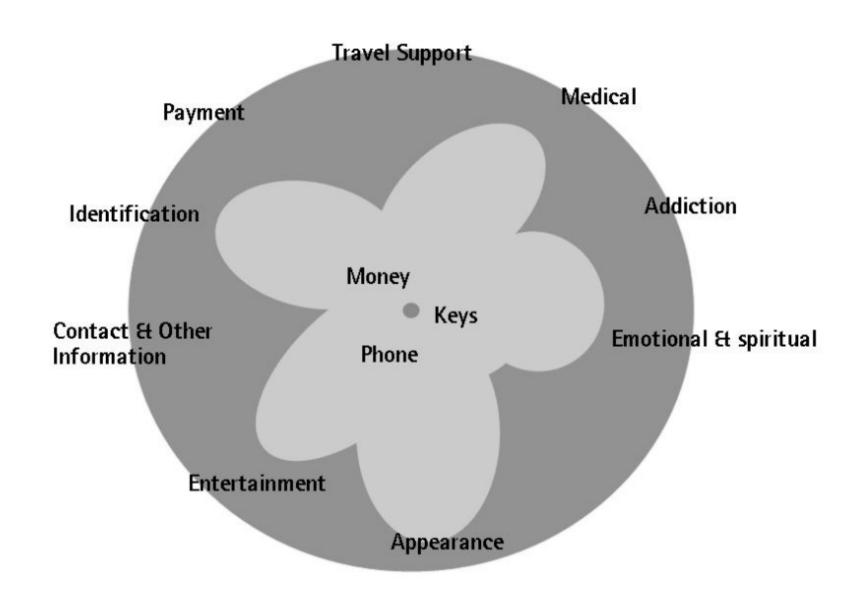


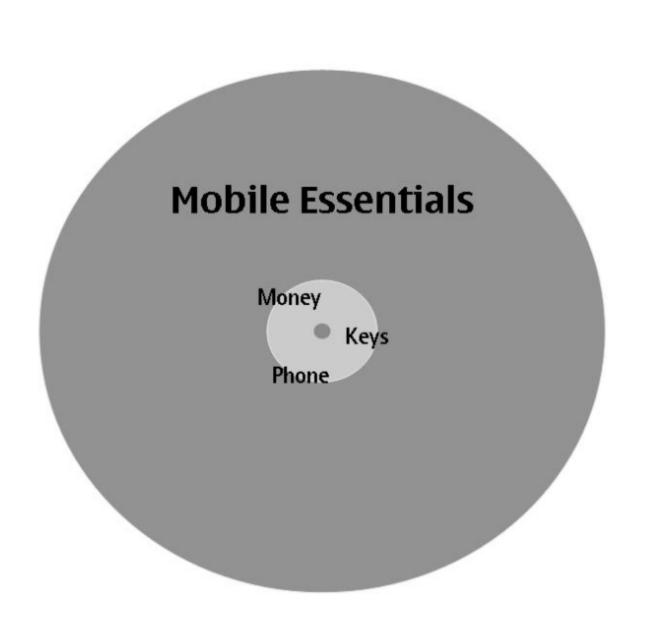














Keys Money Phone Keys
Money
Phone

Keys
Phone

Keys
Money provide access to shelter, food, warmth

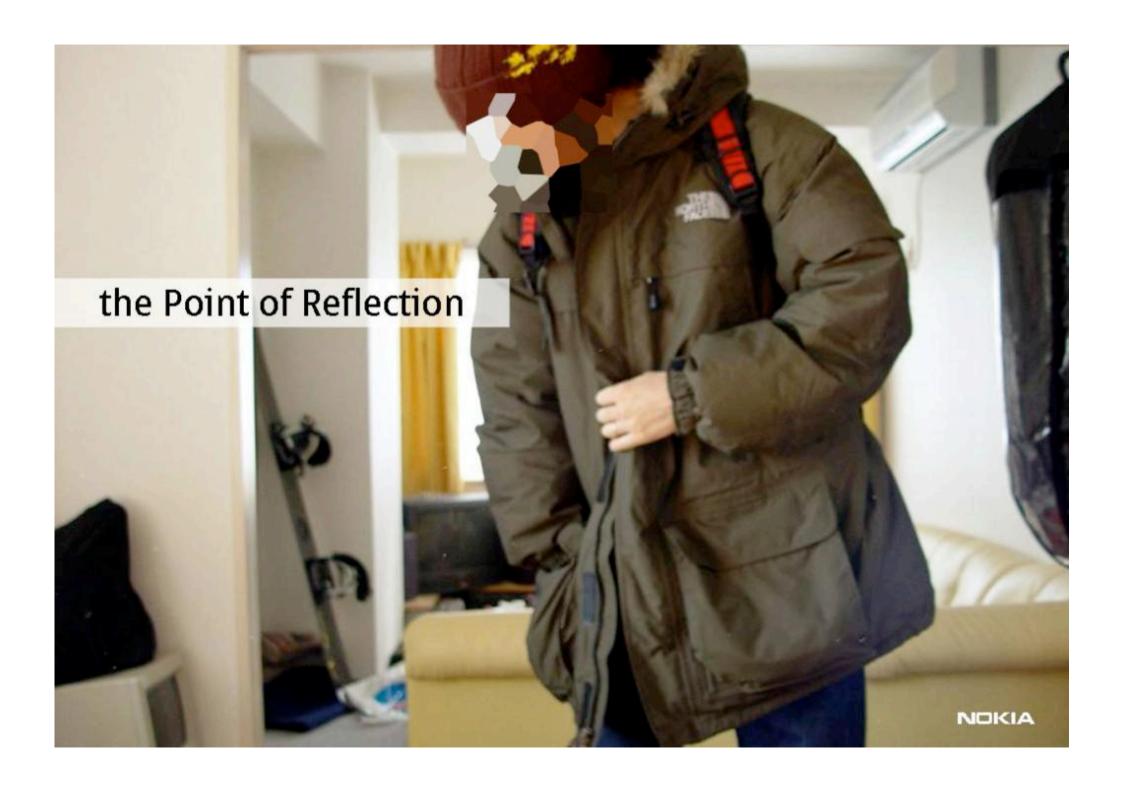
Phone transcend space and time

but

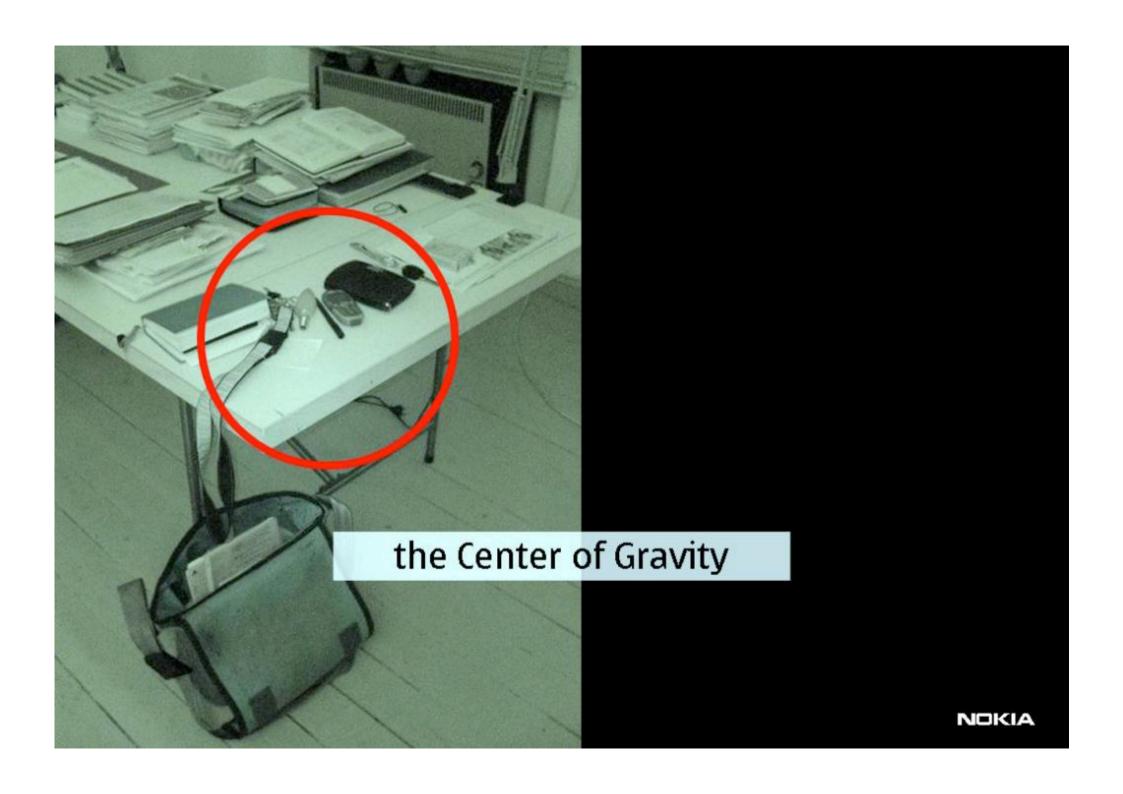


strategies to remember





the Center of Gravity





despite these strategies people still forget







priorities change

no longer important, multitasking



the easiest way to never forget



the easiest way to never forget

is to have nothing to remember



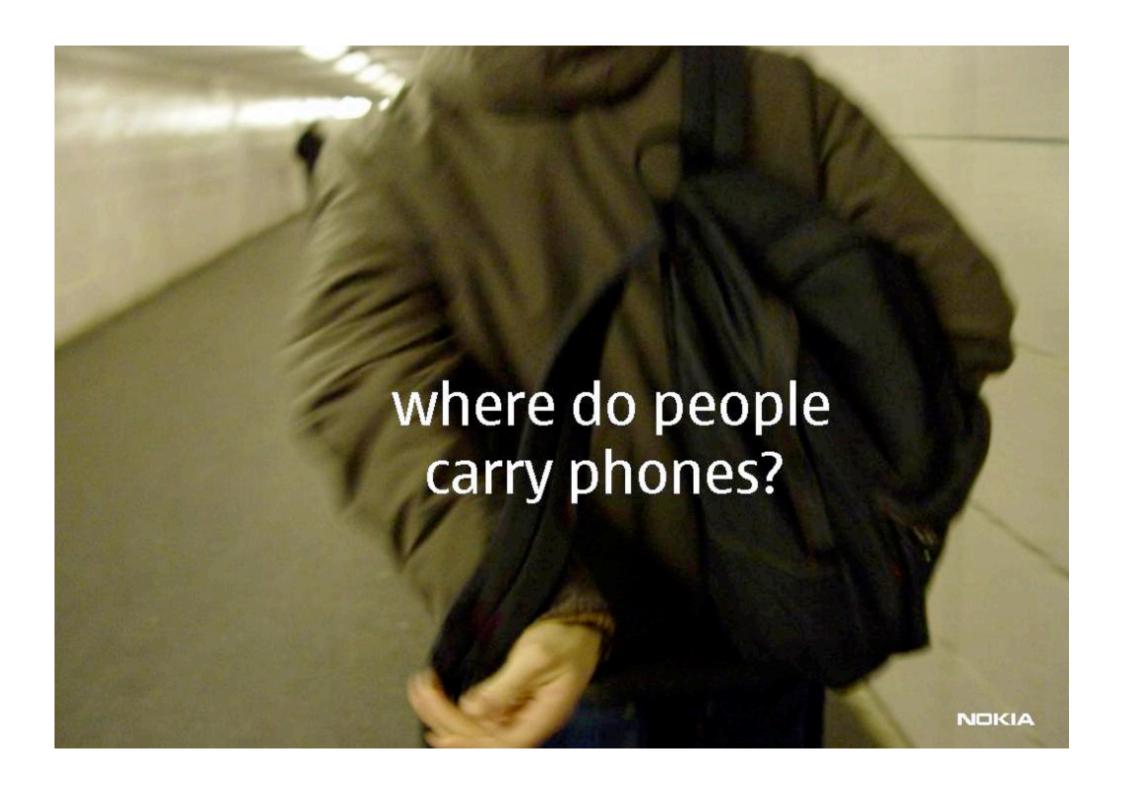
the easiest way to never forget

is to have nothing to remember

the art of delegation





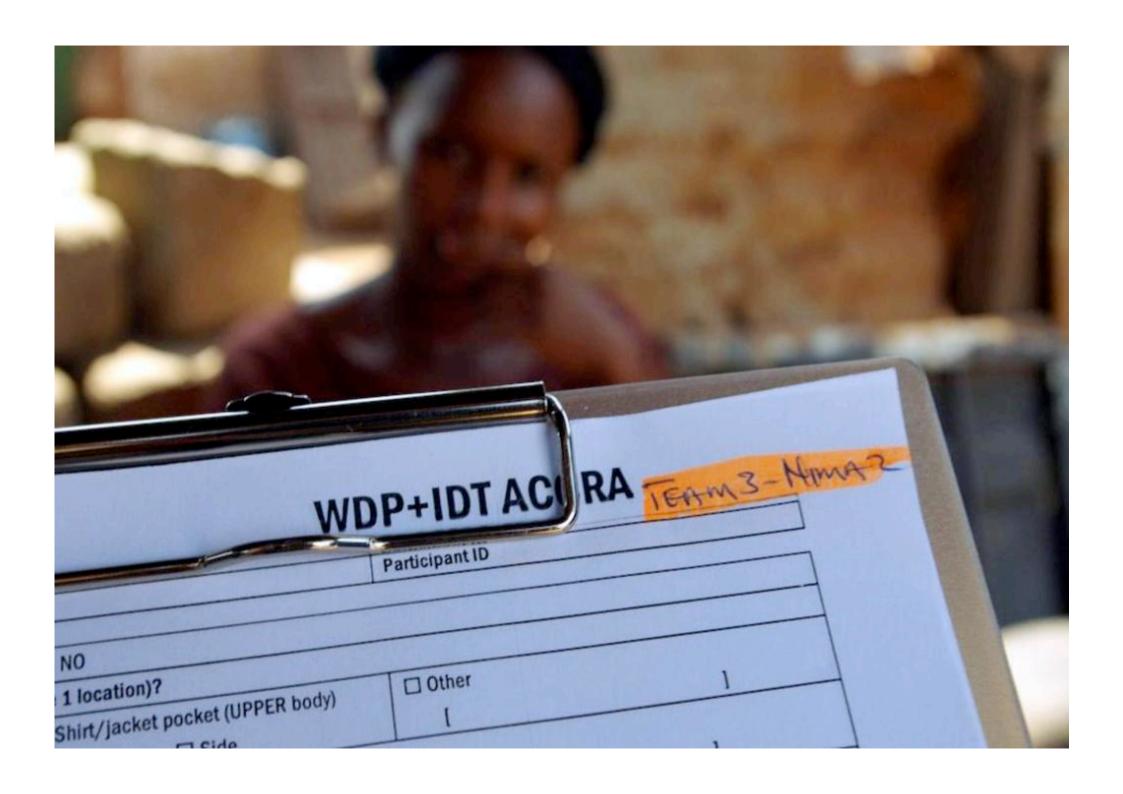




11 studies 2003 - 07

2502 respondents, 50%/50% male/female, aged 16 to 65





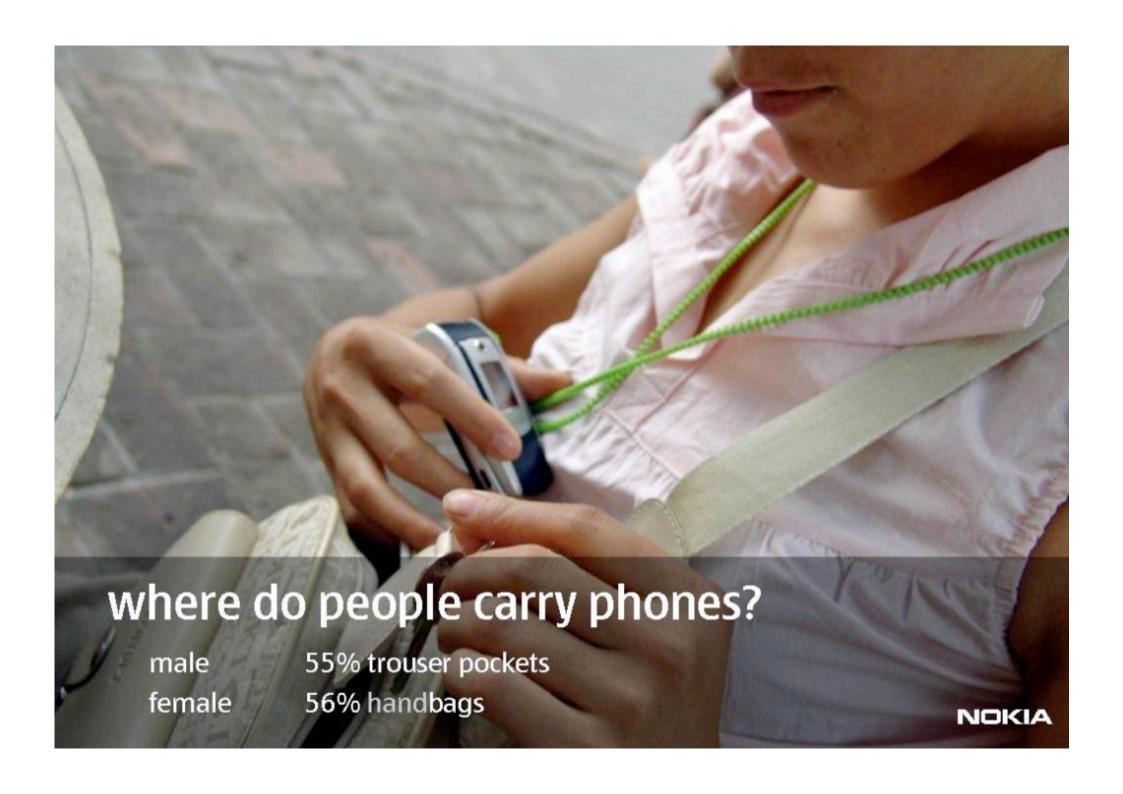


limits of this research

Carrying position changes: over the course of the day; according to context; related to tasks; weather conditions; seasons; clothing; perception of safety; expectation and importance of expected incoming communication, forms of transport and for many other reasons. This data simply provides a snapshot of 100+ people per location over a three day period when the data was collected.

The data is used in conjunction with more in-depth qualitative techniques to inform and inspire the design process.



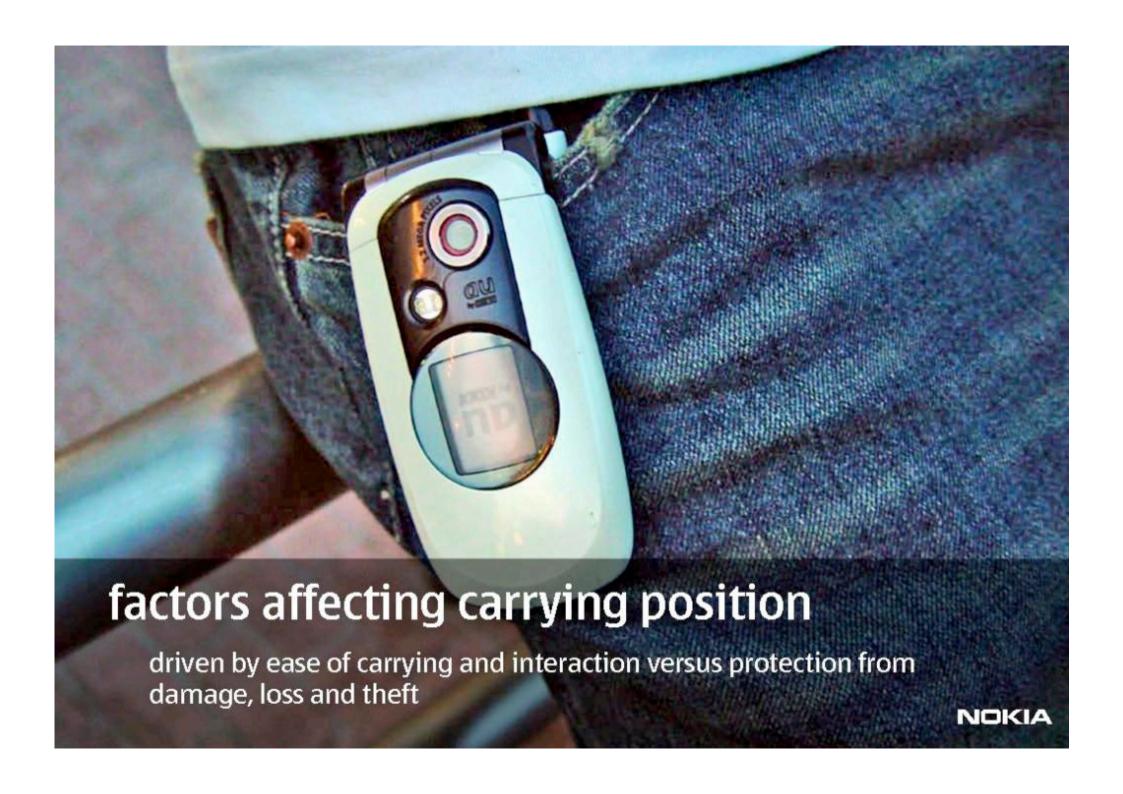


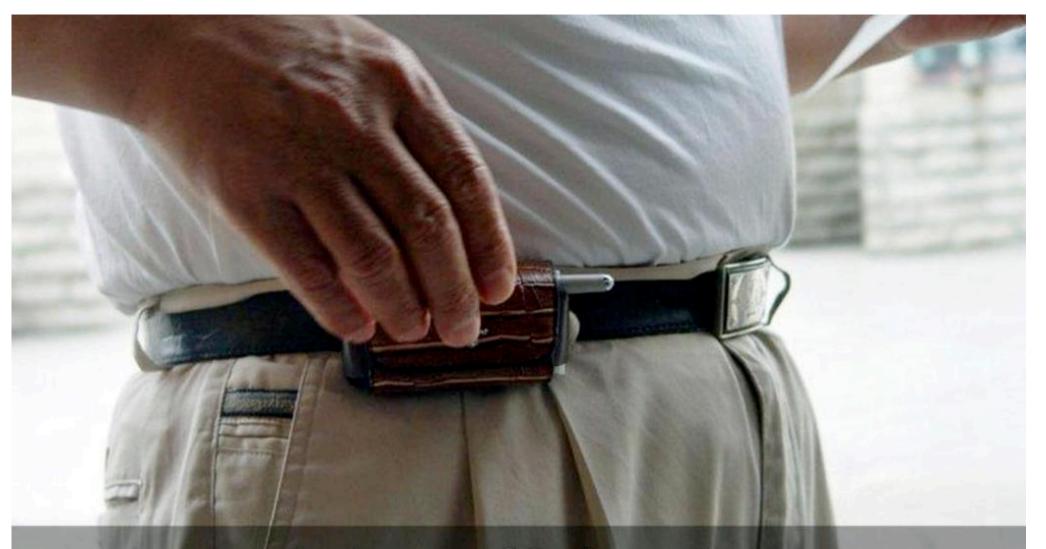


frequency of missed communication?

30% of pocket carriers and 50% of handbag carriers sometimes or always miss incoming mobile phone communication







phone carried around belt, males

Tokyo 0% Milan 4% LA 10% Beijing

19%

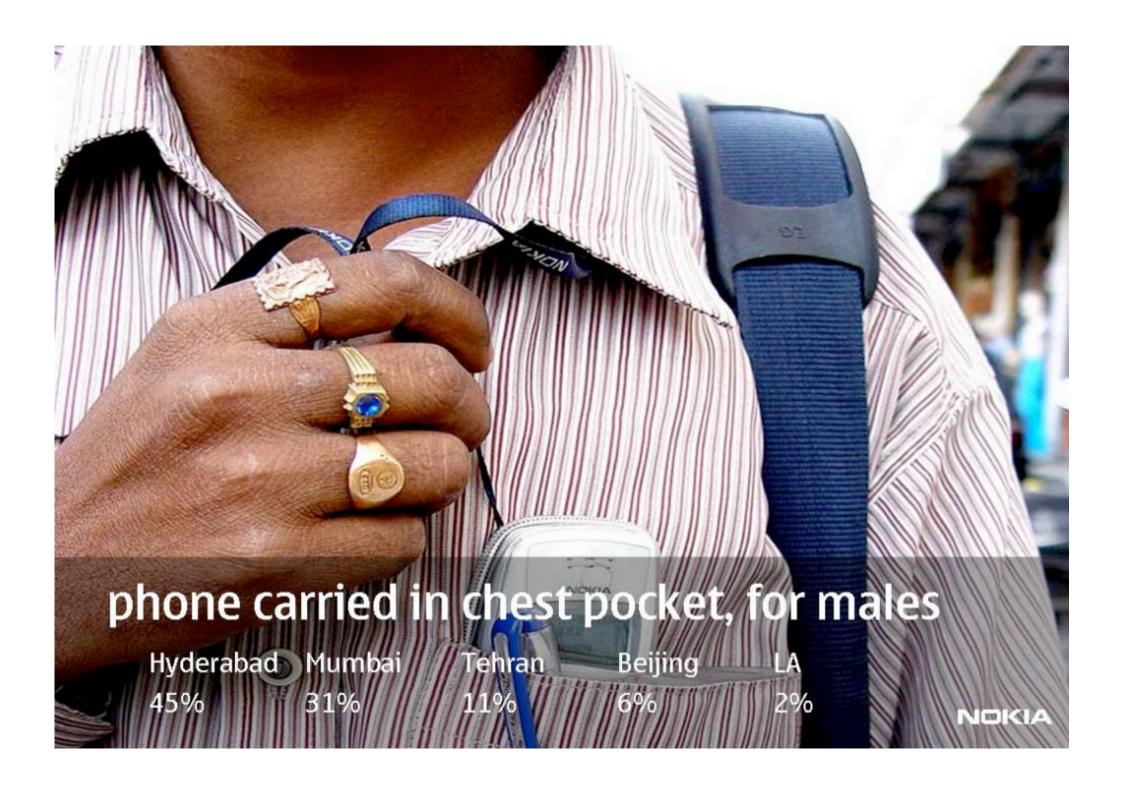
Ji Lin

38%

Chongqing

65%

NOKIA



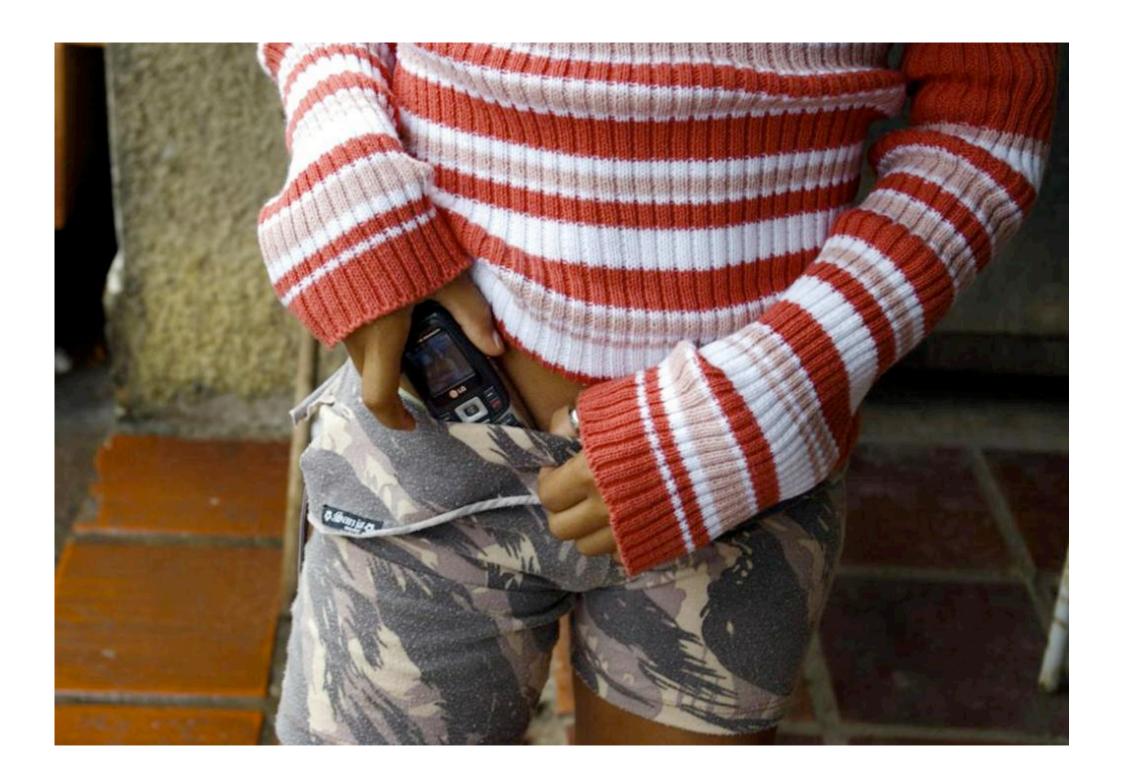




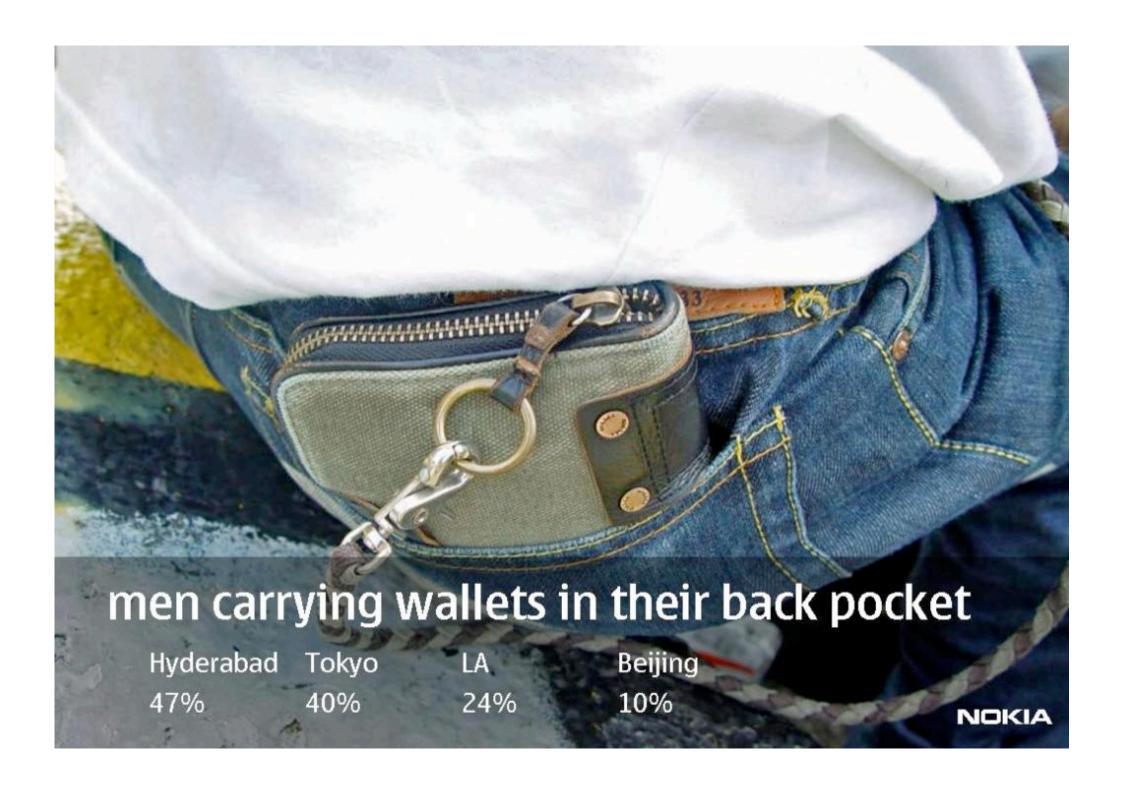


people carrying wallets/purses

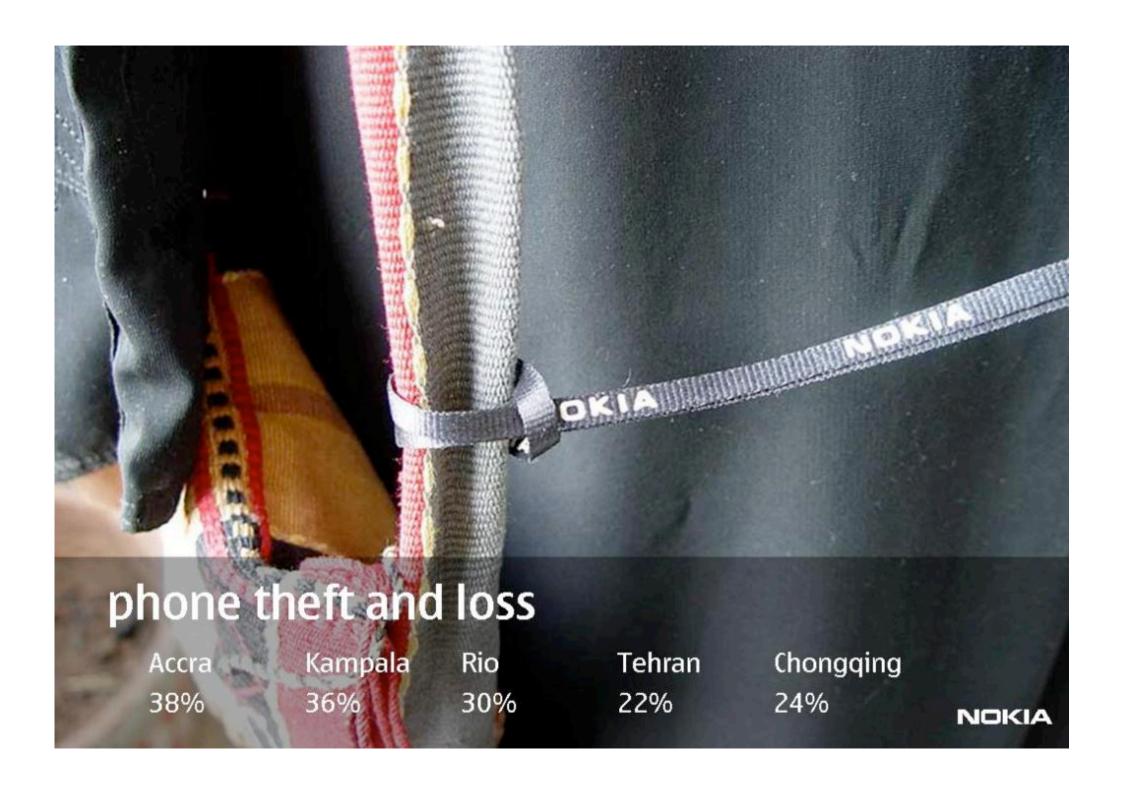


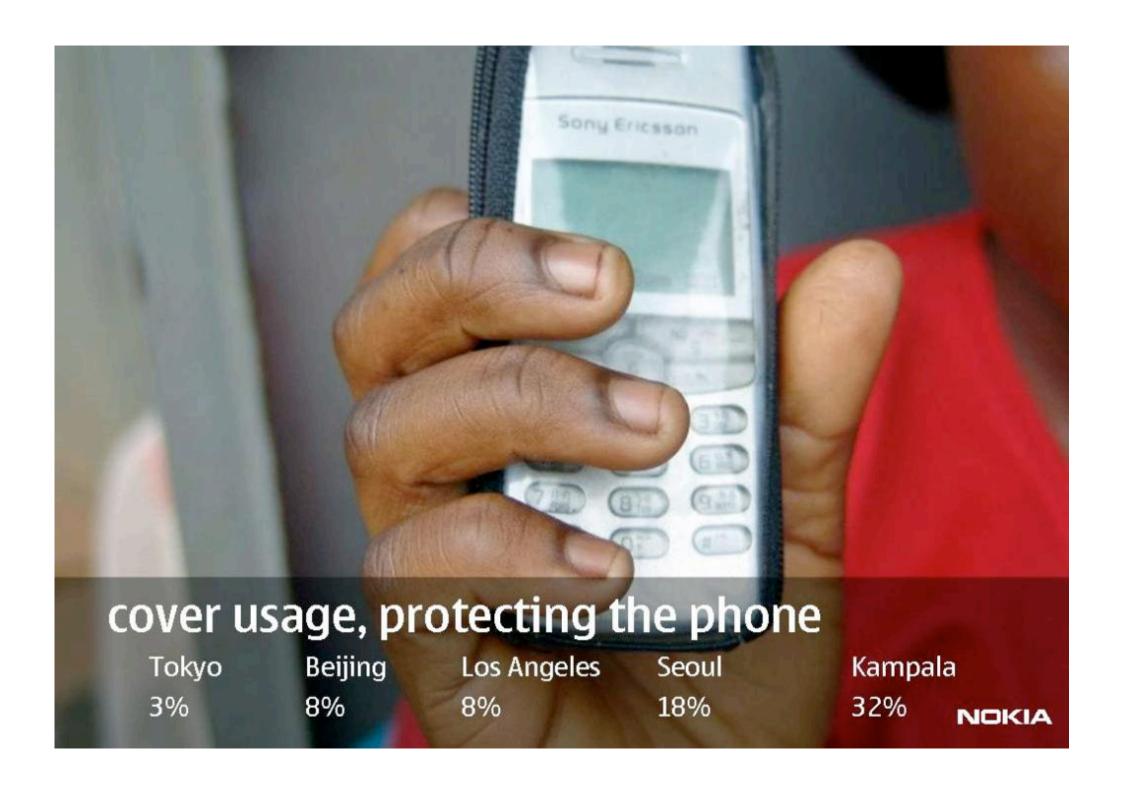






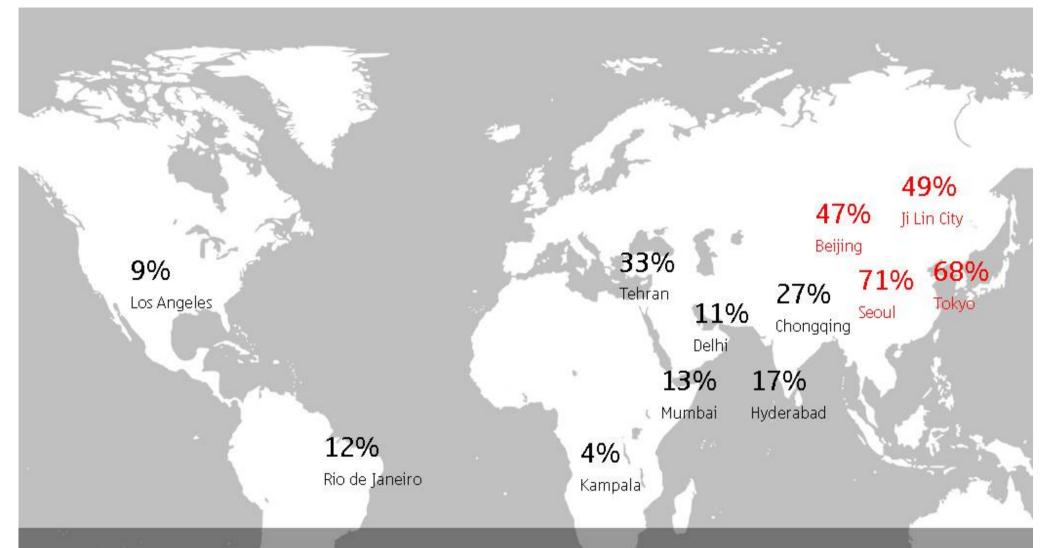
Signals











phone strap usage

(data unavailable for Milan, New York and Helsinki, but estimated at under 10% adoption)



thoughts

Even though people consider their mobile phone to be an essential object to be carried, many people, in particular females using bags frequently miss incoming communications.

The data helps us understand:

The effects of age & gender on likely carrying position

Strategies for clustering, containing and protecting objects, in particular once they go below a certain size and/or share a common form factor

The likelihood and type of physical personalisation

Challenge assumptions such as the prevalence of wallet/purse use

It also feeds into our growing knowledge-bank of consumer understanding from around the world and informs the concept creation process



looking forward



