



het internet van dingen

ontmoet

het internet van mensen

“invisible” services of smart systems

Hans Appel



infrastructuur globaal bewustzijn

○ any
where

any one

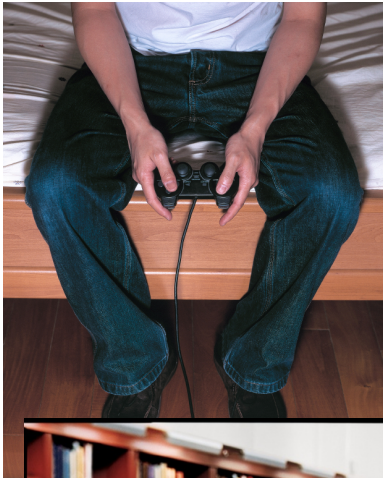
always ON

○ any
device

○ any
time



realiteit vandaag



alles & iedereen verbonden met het netwerk



gemiddelde studeerkamer





spontaneous, intelligent, distributed computing







sociale netwerken “het gesprek”



Facebook

500 miljard minuten Facebook per maand

25 miljard stuks hoeveelheid "content" per maand





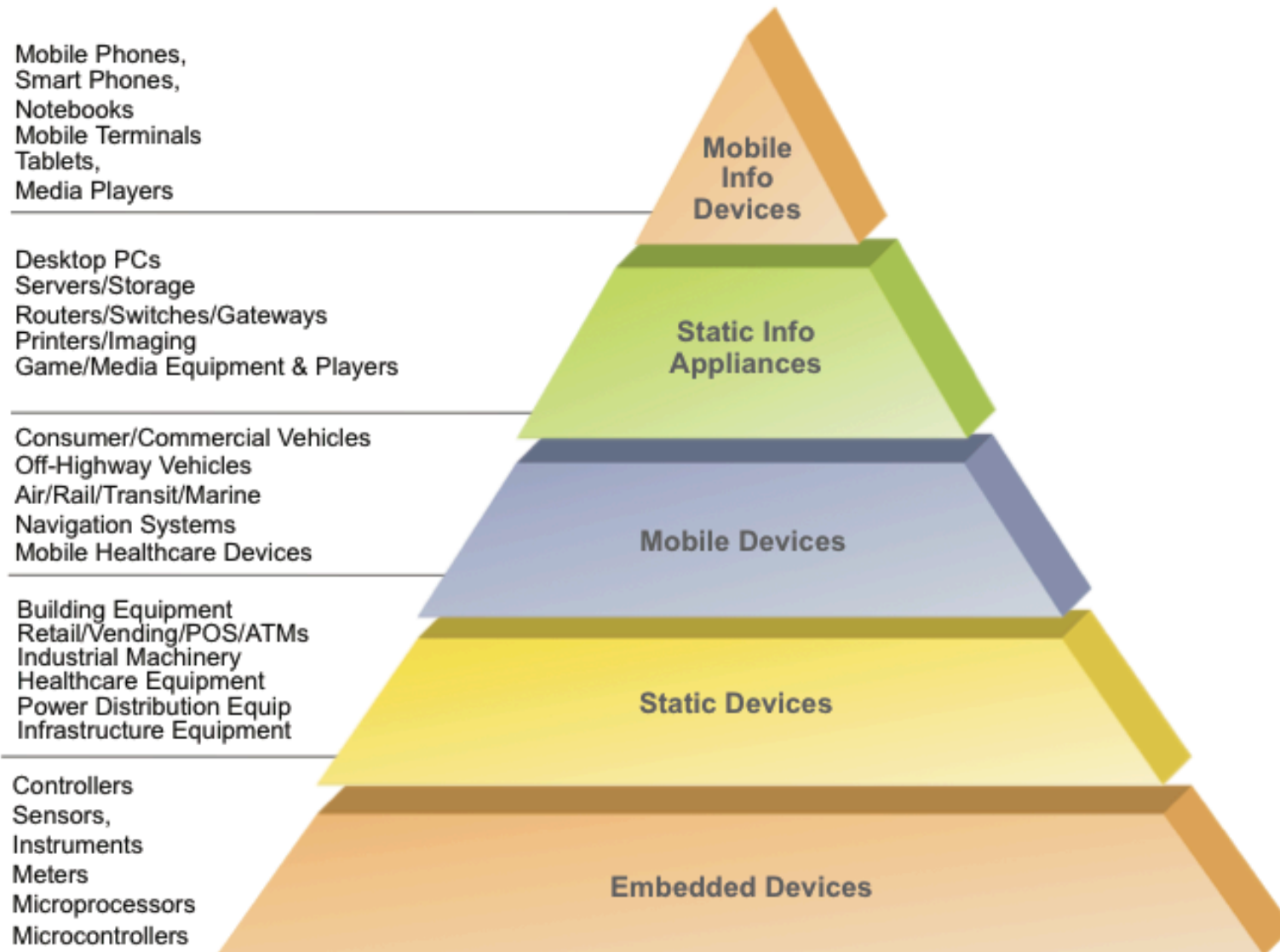


just a decade → everywhere



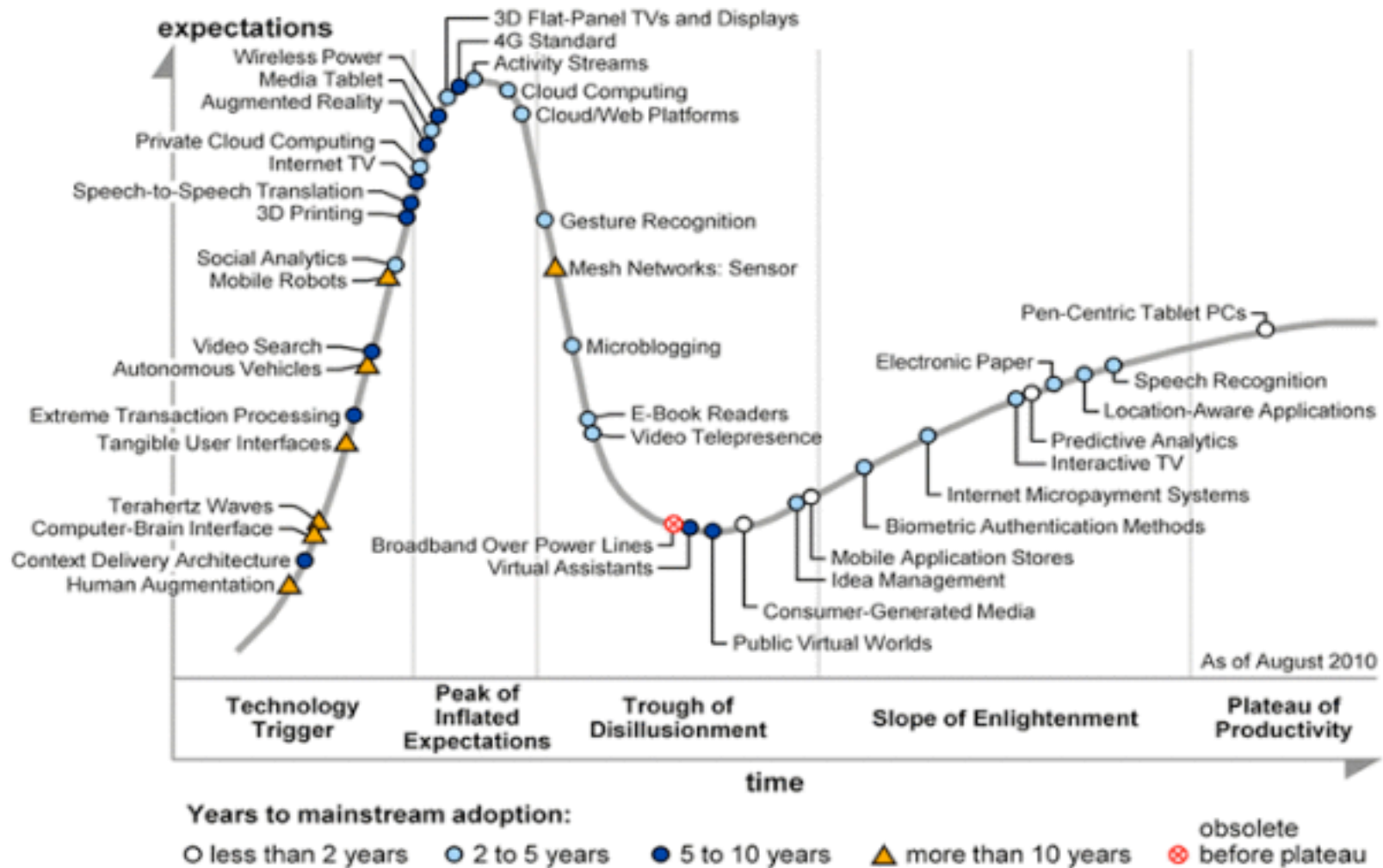


het internet van intelligente dingen





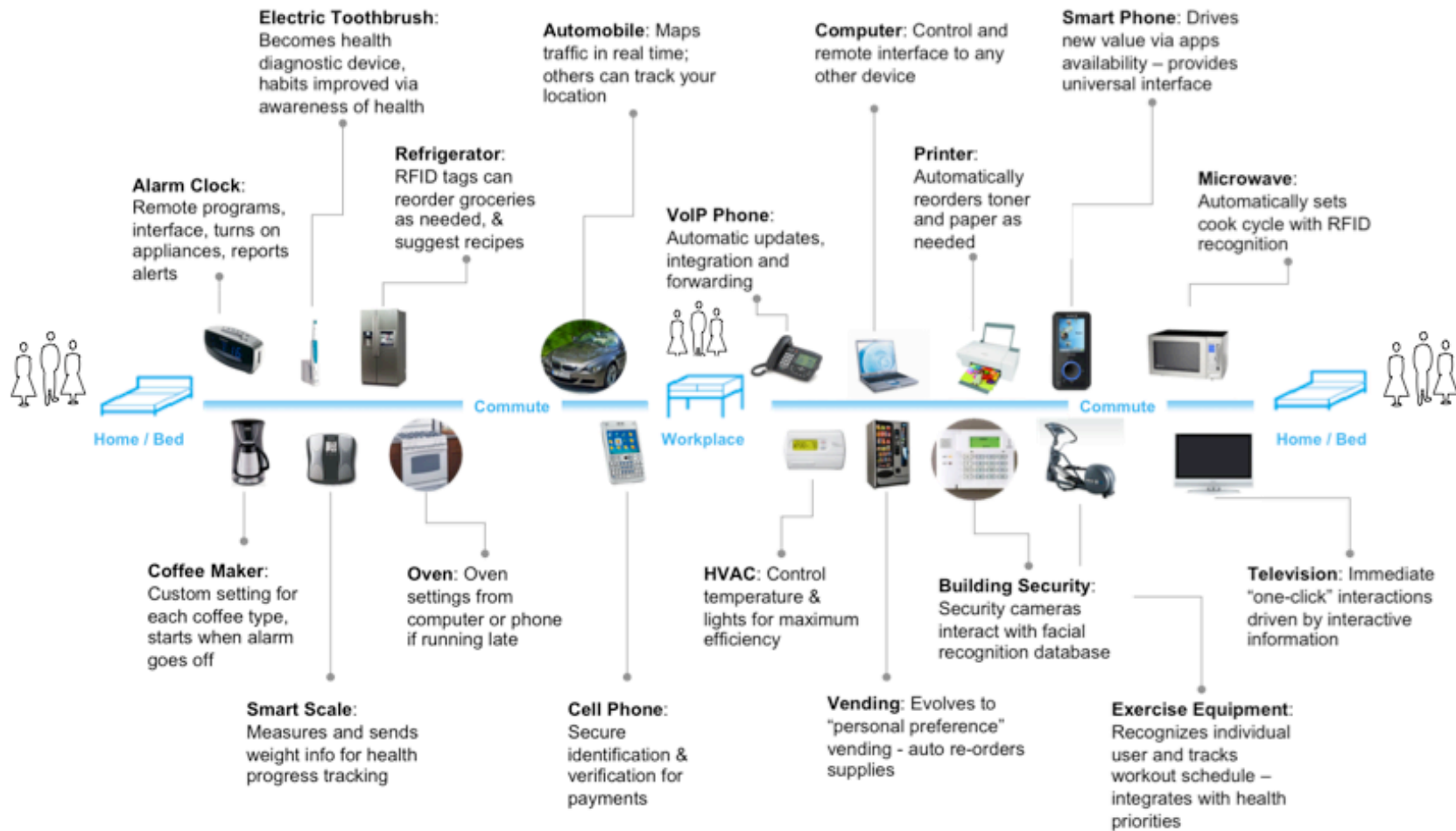
lifecycle curve





het internet van dingen

revolutie beleving doorsnee gebruiker



The Interactions & Relationships Between & Amongst Devices, People & Systems

Will Drive Future Differentiation - Not Just Features & Isolated Capabilities



intelligente koelkast



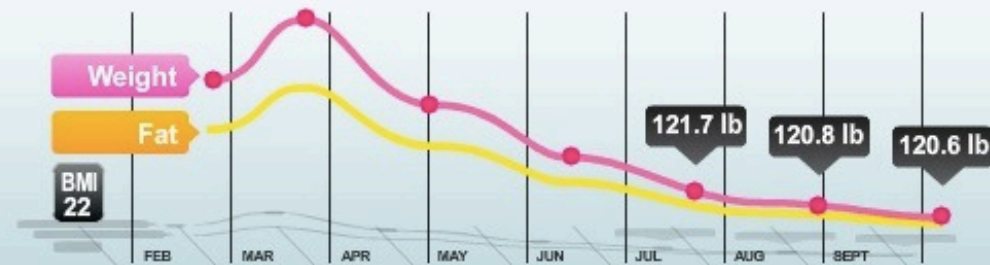




intelligente weegschaal



[Video demo >](#)



The WiFi Body Scale

Monitor your health. For the long term.





Hans Appel



rustig slapen en wakker worden

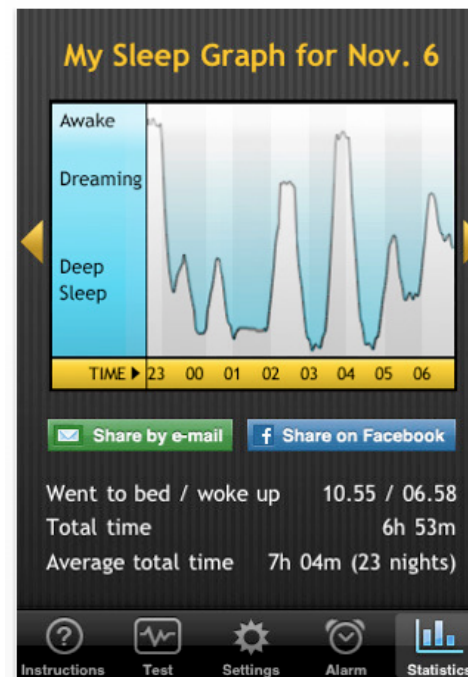
① sleep with zeo

Every morning when you wake up, see **how long** and **how well** you slept right at your bedside.



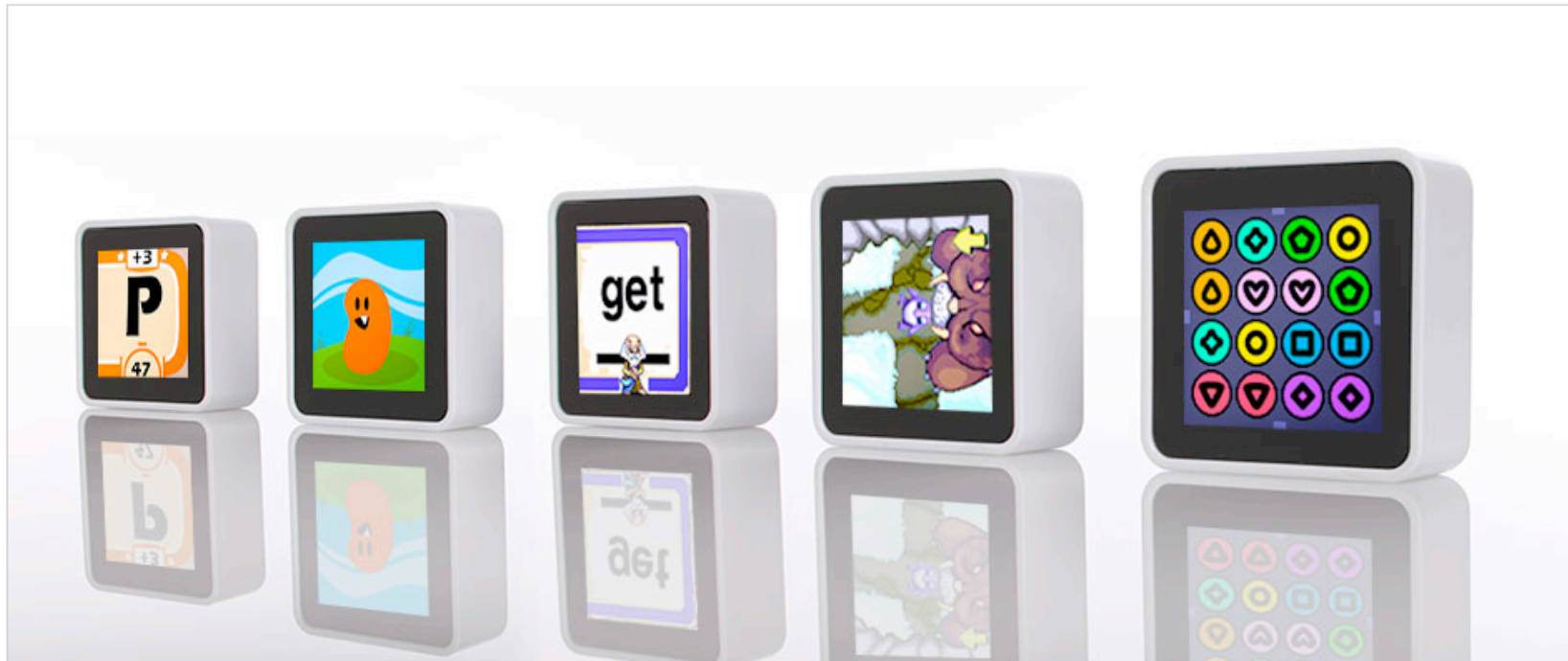


rustig slapen en wakker worden





spelen in de toekomst ?





sensoren de zintuigen van computers

Hersens activiteit

Detectie afstand

3 mm

Emissie

elektrische spanning

Kenmerk

amplituden tot 0,2 millivolt

frequentie 1 - 30 Hz.

Detectie apparaat

elektrische spanning meter

Hartslag

Detectie afstand

40 cm

Emissie

elektrische spanning

Kenmerk

amplituden tussen 0,5 - 3 millivolt

Detectie apparaat

elektrische spanning meter

Lichaamswarmte

Detectie afstand

19 Km onder ideale omstandigheden

Emissie

infrarood

Kenmerk

133 watt (gemiddeld)

Detectie apparaat

thermische camera's



Ademhalen

Detectie afstand

30 meter

Emissie

geluid

Kenmerk

10 - 25 decibel

Detectie apparaat

parabolische microfoon

Respiratie (gasstofwisseling)

Detectie afstand

afhankelijk van concentratie

Emissie

uitgeademde gassen

Kenmerk

kooldioxide

waterstofsulfide

ammonia

Detectie apparaat

gas gevoelige halfgeleiders

Lichaamsgeur

Detectie afstand

15 meter

Emissie

afgescheiden chemische stoffen

Kenmerk

ammonium chloride

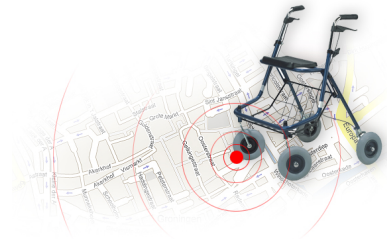
Detectie apparaat

chemische sniffer



sensoren in de gezondheidszorg

- hartfalen & revalidatie
- thuiszorg
- dementie
- lotgenoten





digitaliseren erfgoed



Hans Appel

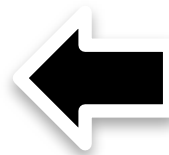
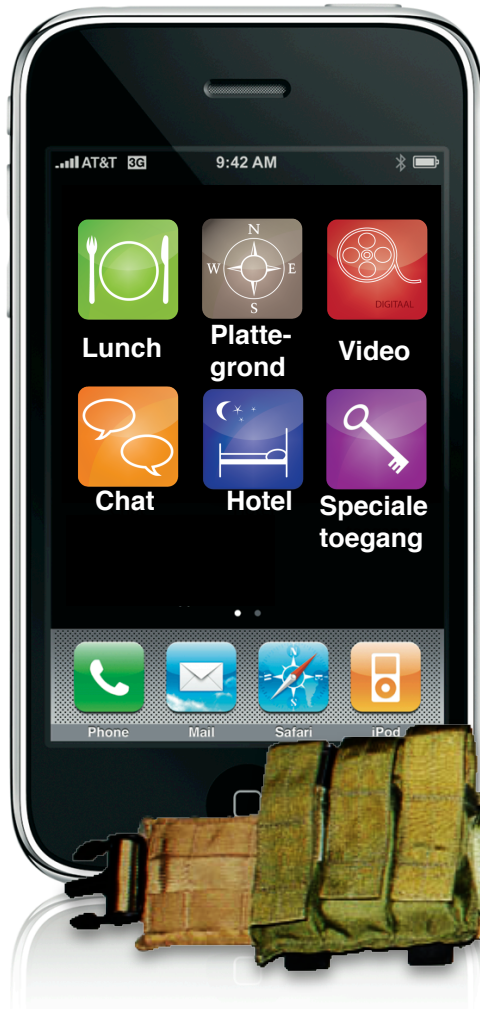


museum bezoek





“beleven” van het dierenpark



Lunch



Plattegrond



Video opname
Digitaal



Chat



Hotel



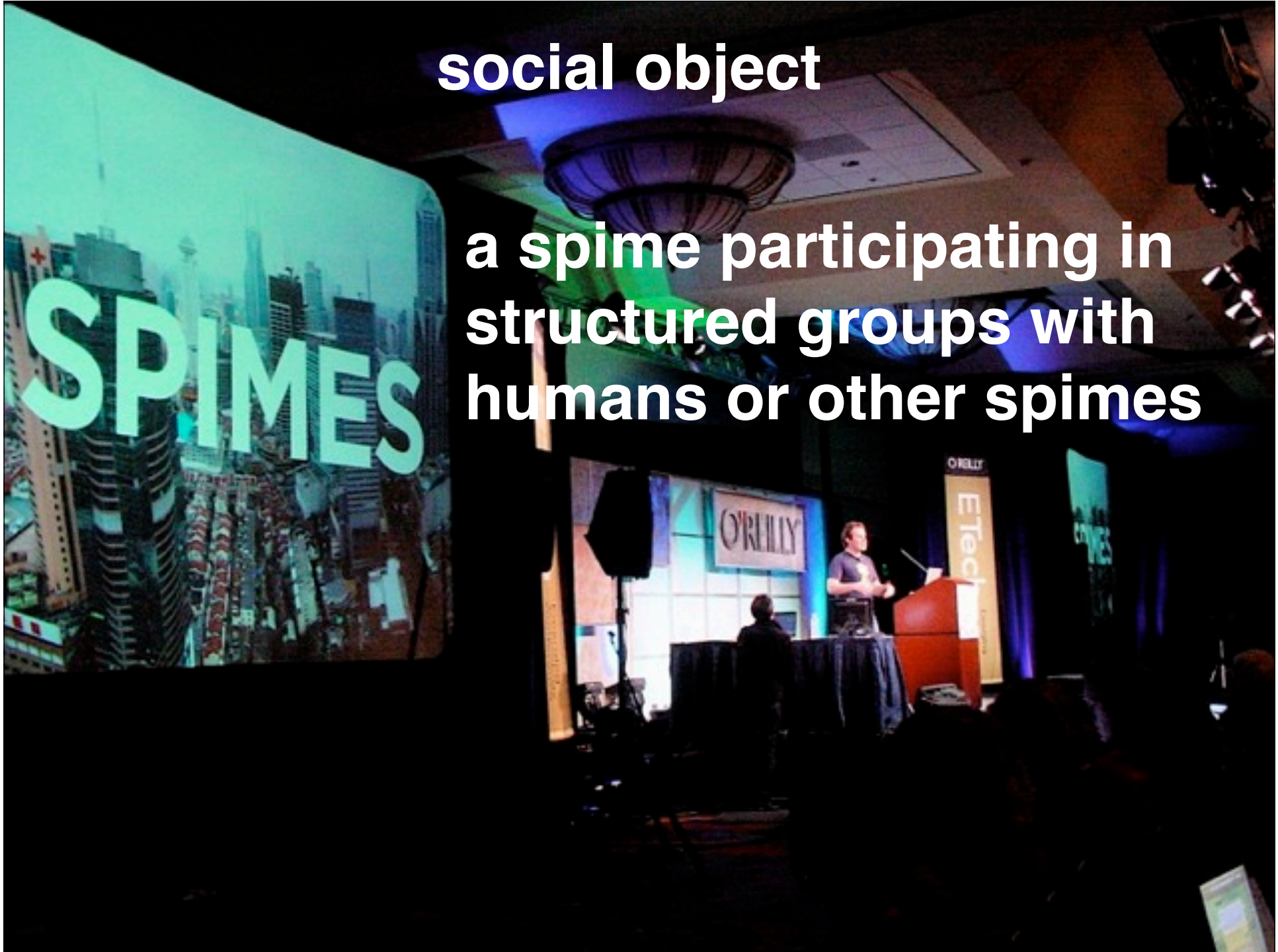
Speciale
toegang





social object

**a spime participating in
structured groups with
humans or other spimes**

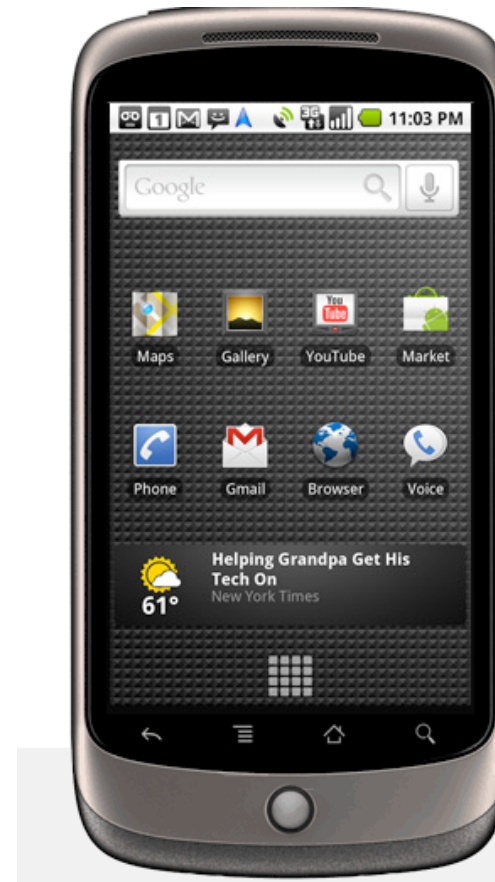




smart phone



iPhone



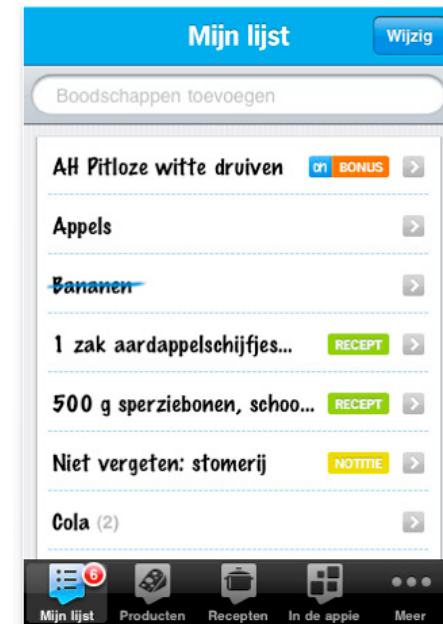
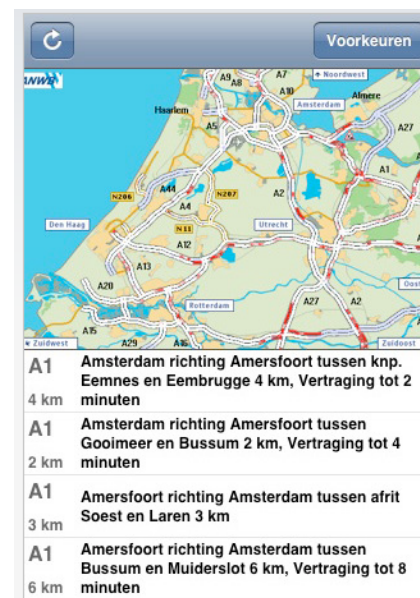
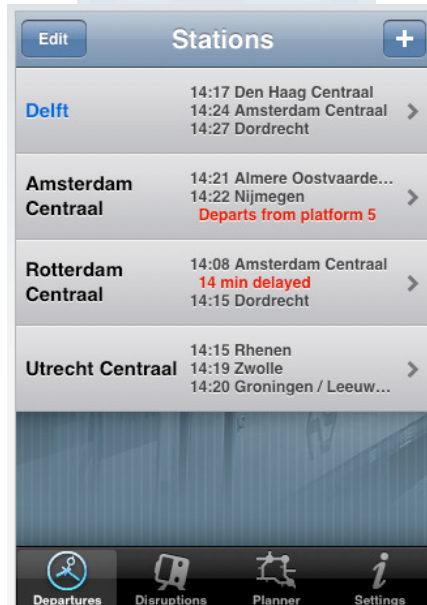
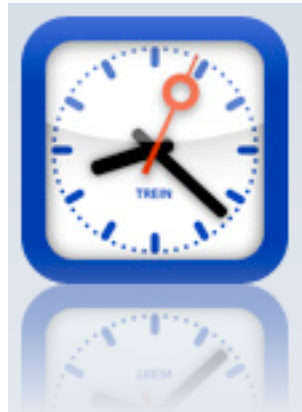
nexus one





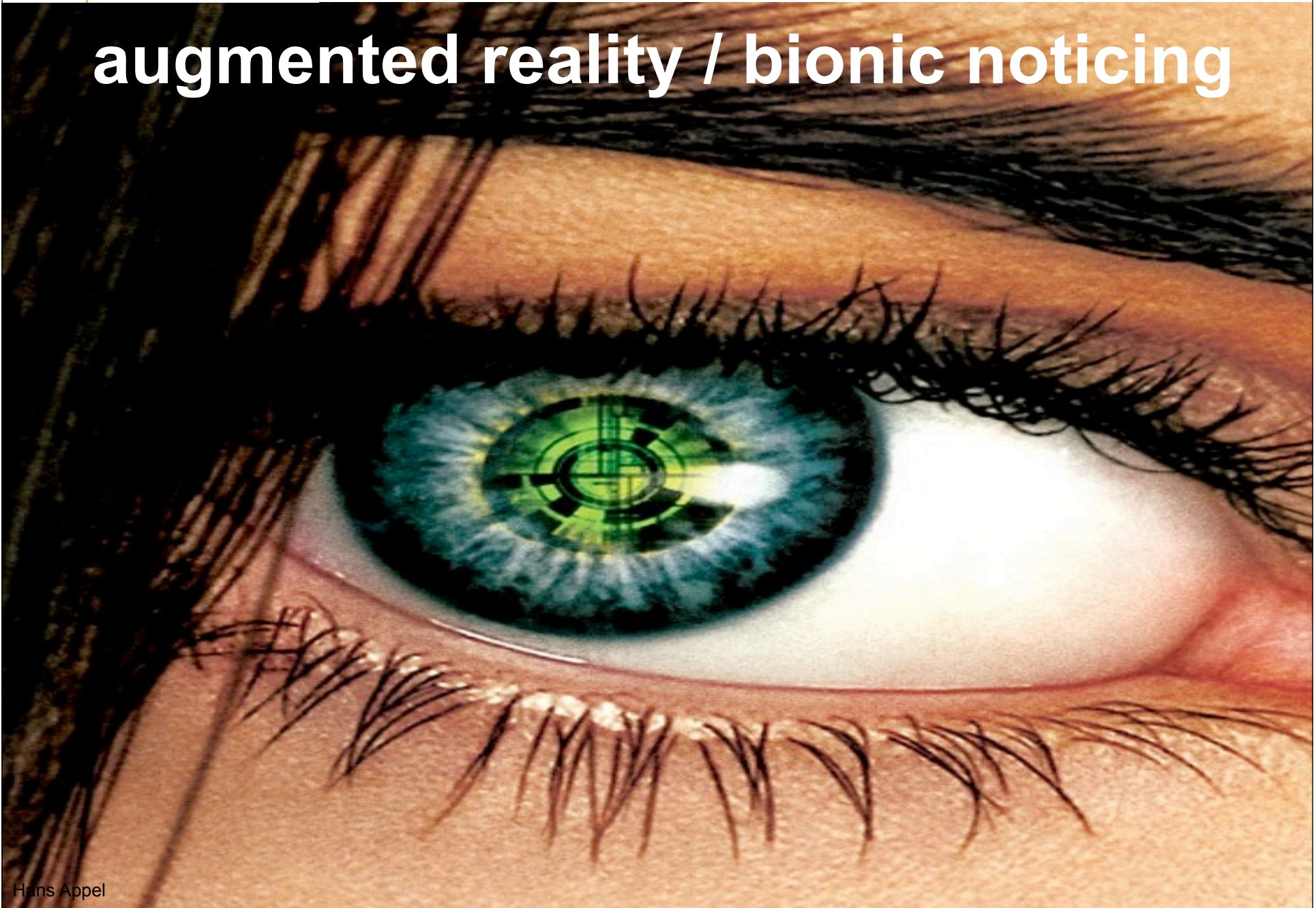


innovatief gebruik informatie

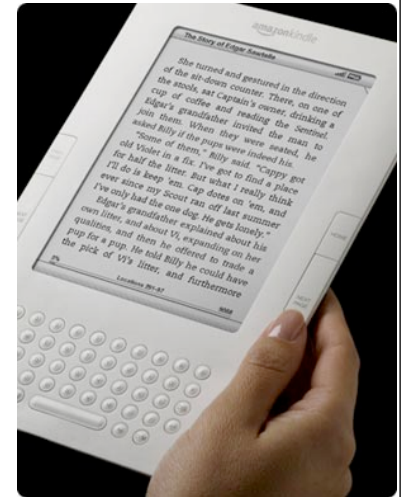




augmented reality / bionic noticing



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Product Description

There is increased attention given to developments which will make it possible for the environment to react to one or several individuals, and a social connection between people and smart equipment will evolve. We will equip ordinary objects with options to perceive the environment, to make calculations where required and to transmit the results by wireless via a tight/closed network. This way we connect the sensed data from the physical world to the virtual world of networks, computers and the internet. Add to this the developments in communities and crowds and, voids, we can conclude that a new and incredibly interesting period in our "Computer Science" era is commencing.

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Format: Kindle Edition
File Size: 1098 KB
Simultaneous Device Usage: Unlimited
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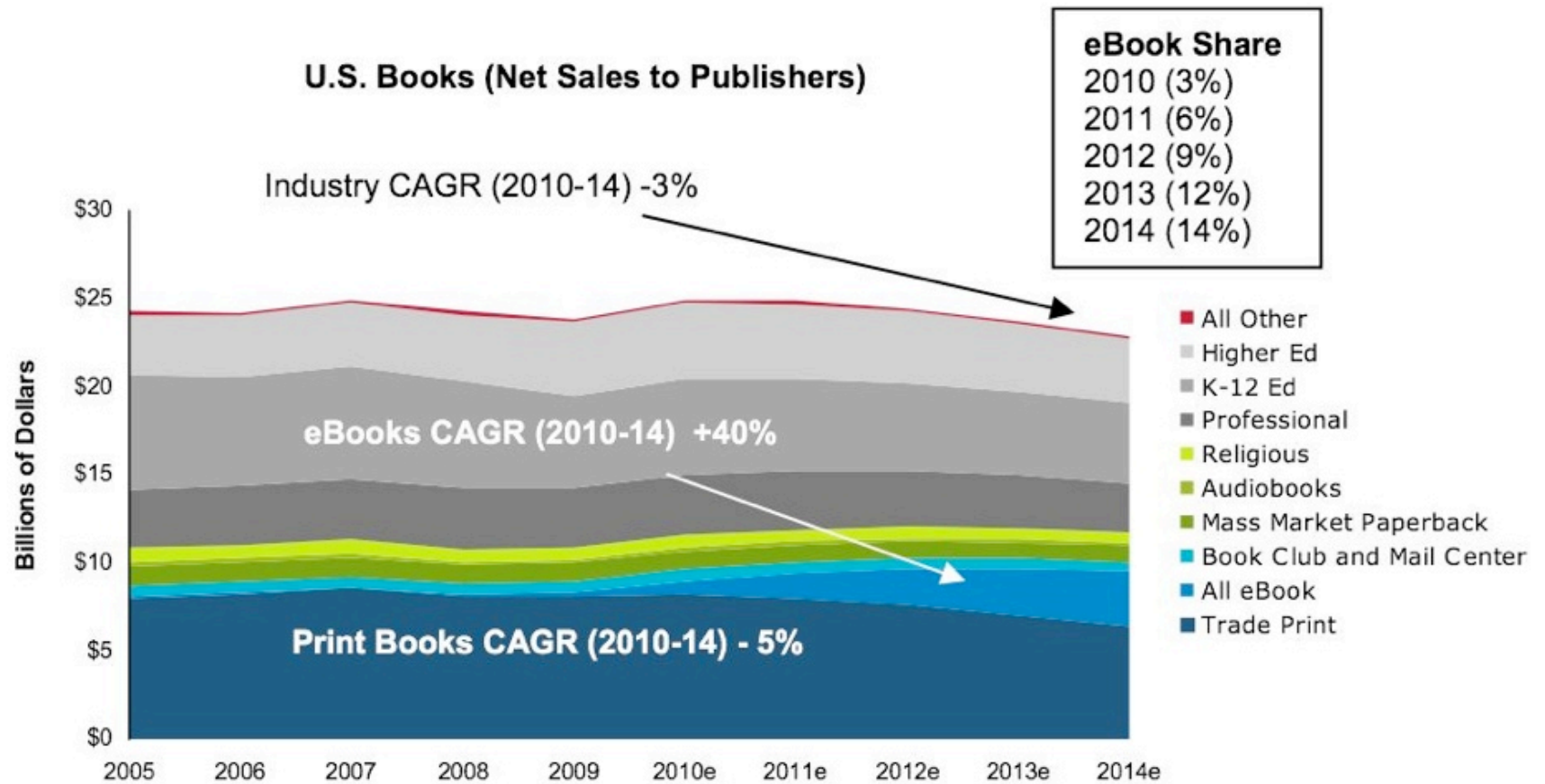


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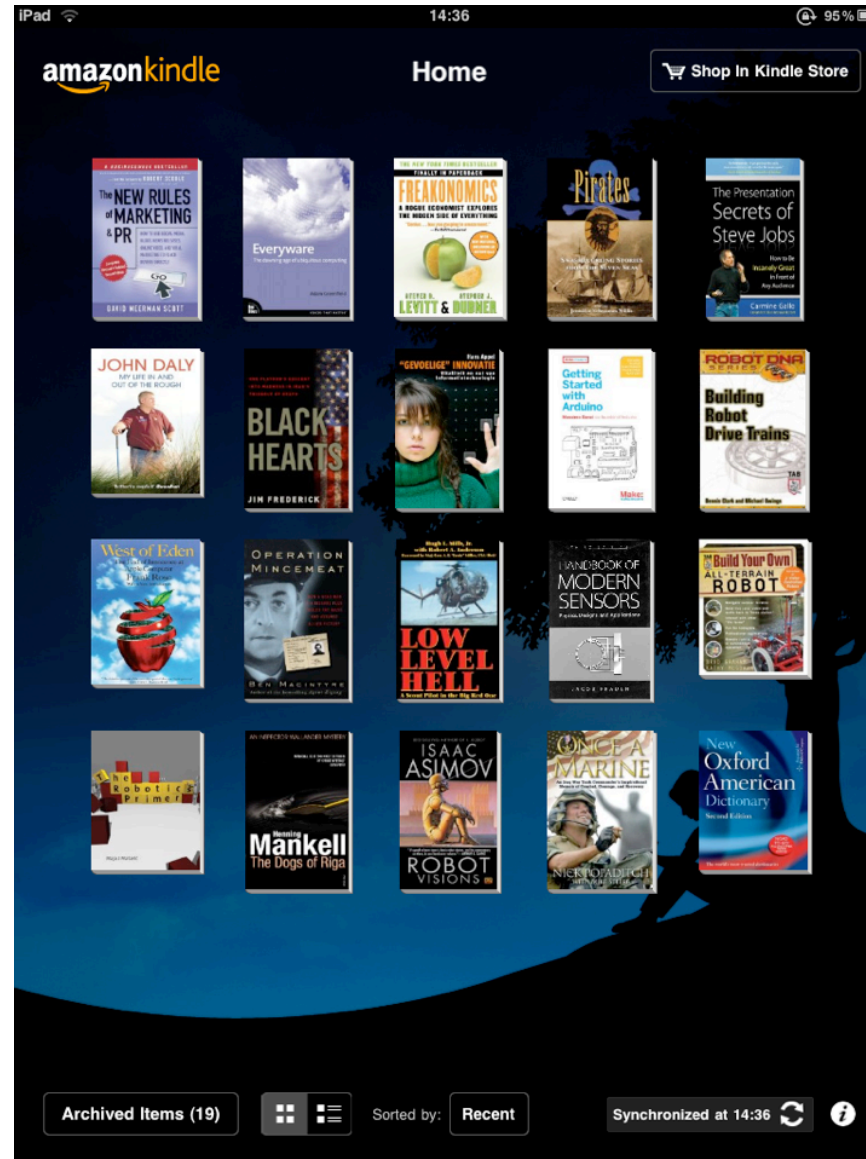
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Apple iPad



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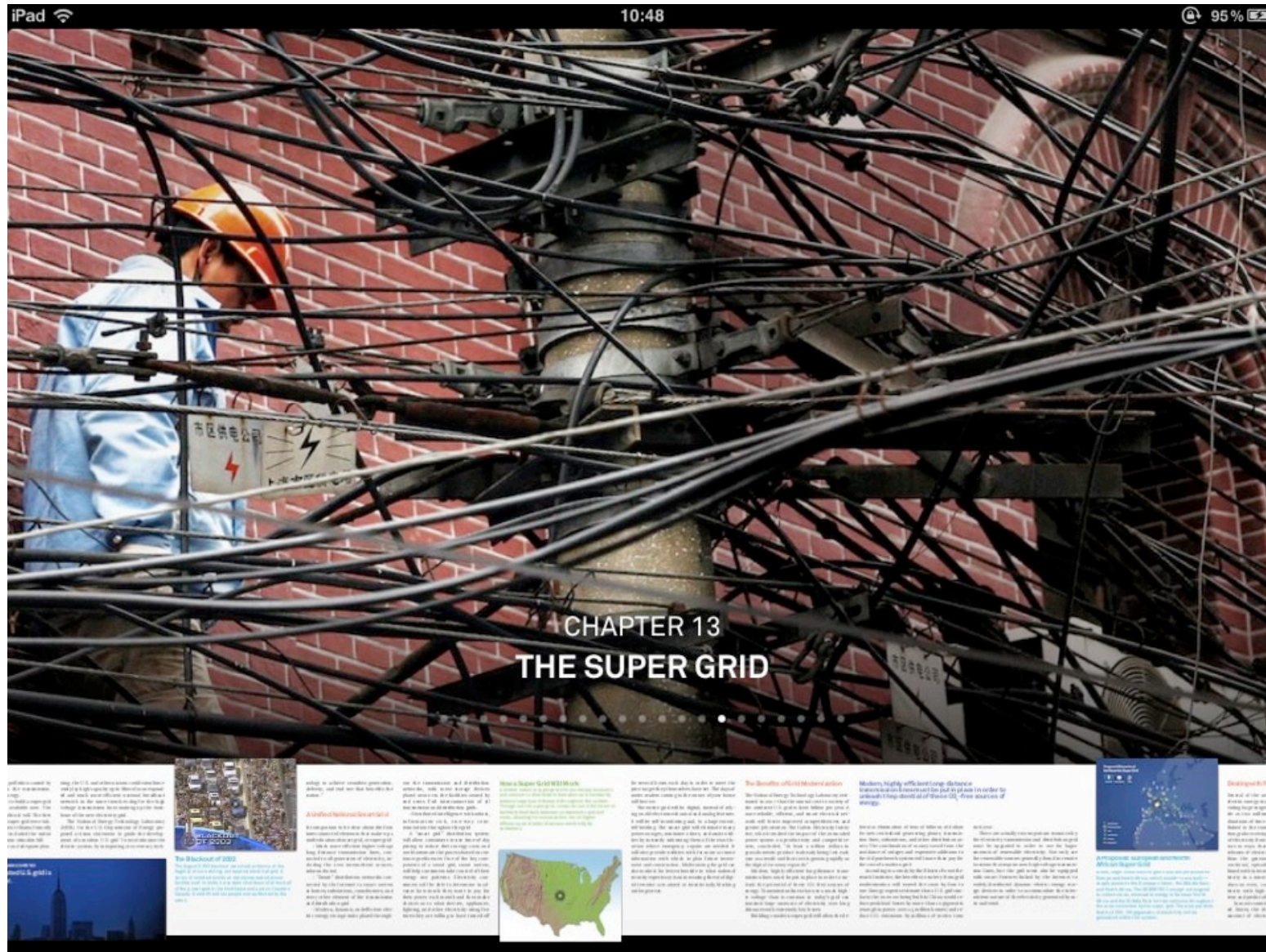


beleving / werkelijkheid





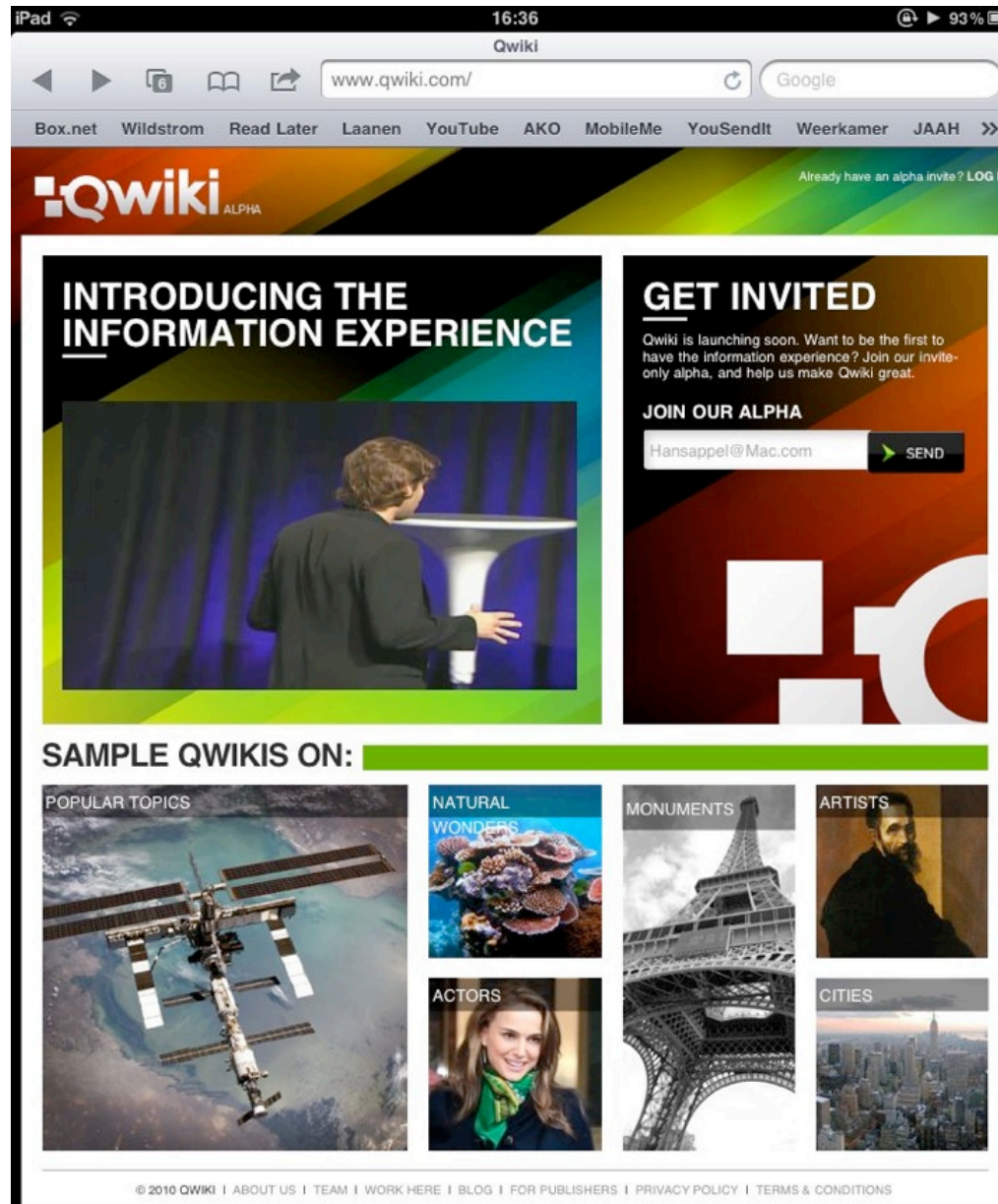
"our choice" by Al Gore





extra nieuws dimensie







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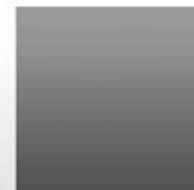
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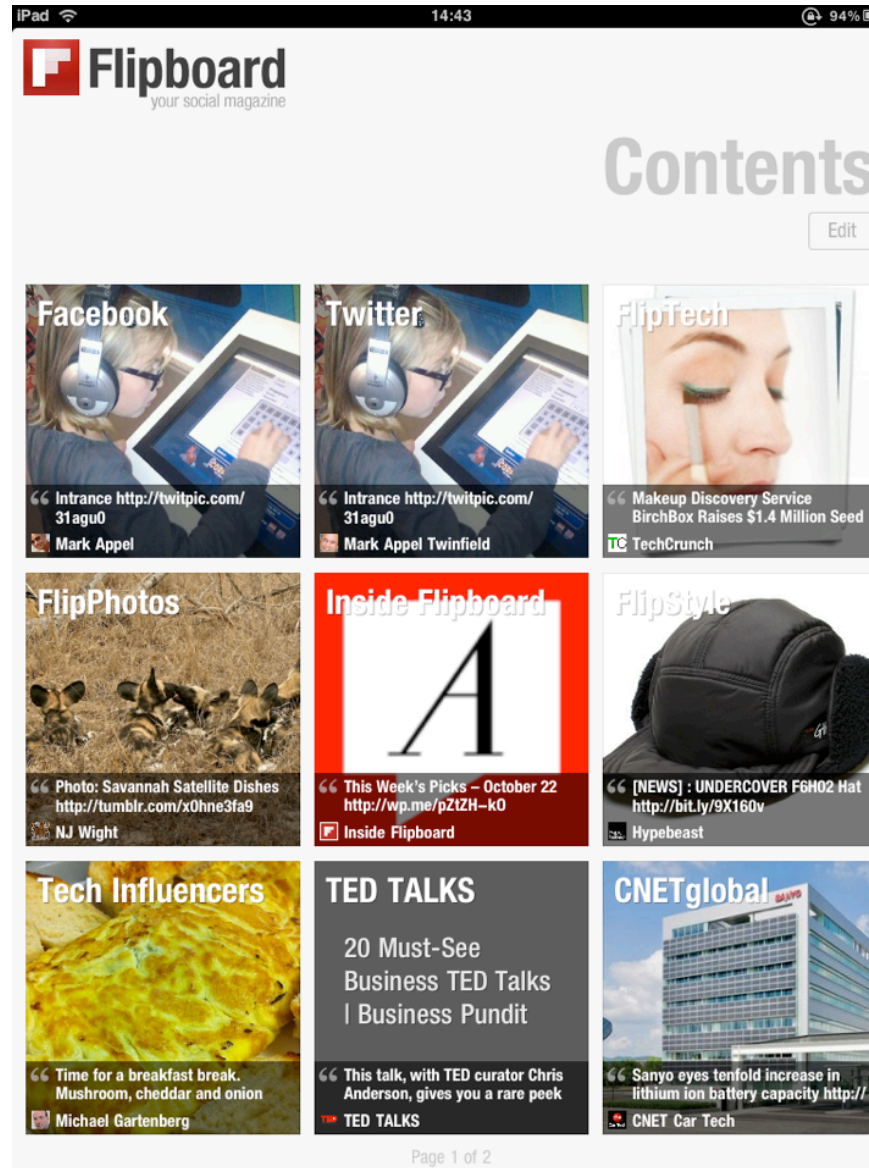
ANTHONY, DUKE OF BRABANT



MARY OF BURGUNDY



direct “to the point”



technology junkyard ?



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