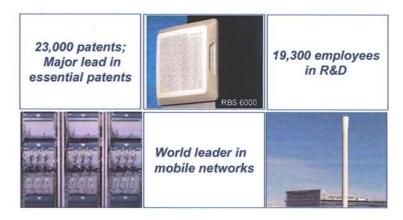




Ericsson at a glance

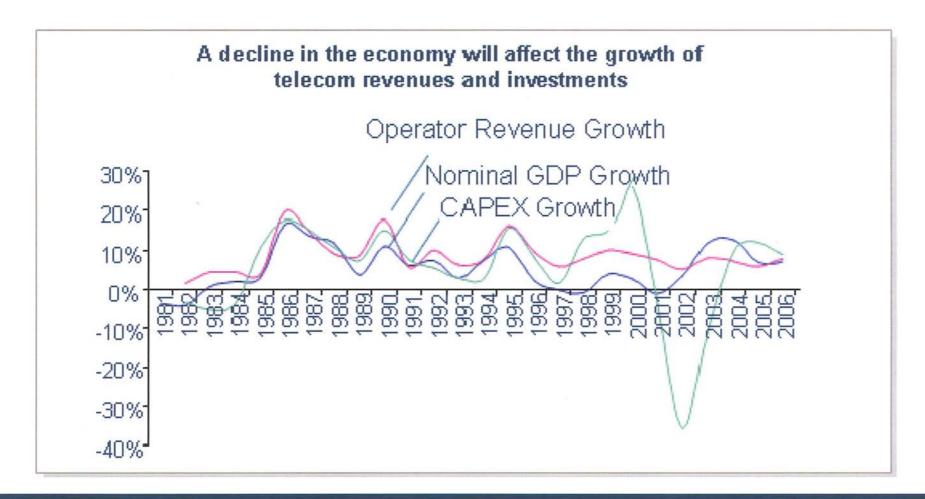
 Headquartered in Stockholm, Sweden, and doing business in more than 175 countries



- Leads the market in wireless networks and services sold to operators strong focus on multimedia solutions
 - 40 % of all mobile traffic travels through our systems
- Net sales 2007 = SEK 187.8 billion
 - Net sales H1 2008 = SEK 92.7 billion
- Employs 75,800 people around the world

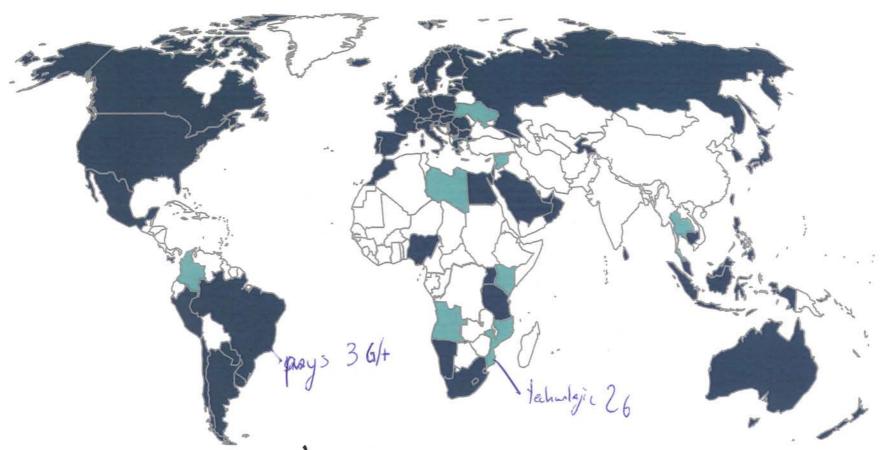


Telecom correlation with GDP



Major global economic risks; surge in property and bond prices in many countries, massive US external deficit....

Breakthrough for mobile broadband

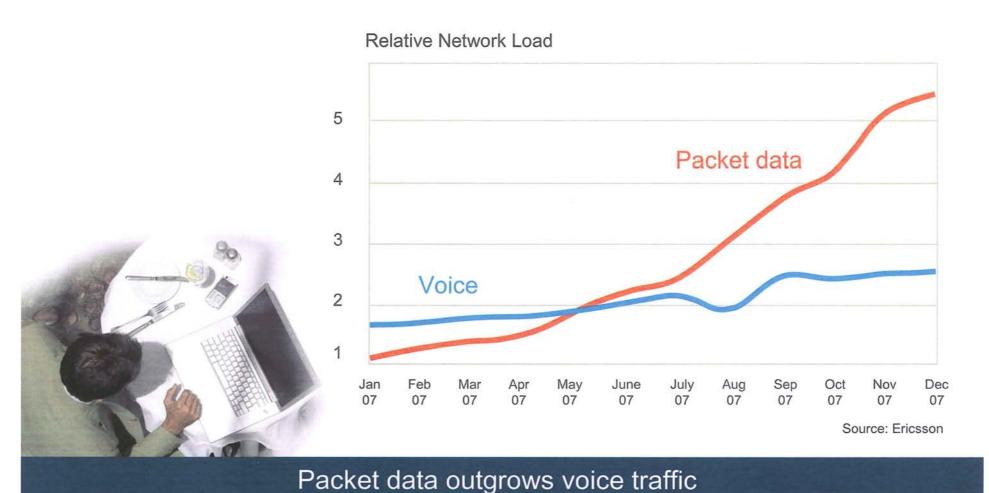


185 Mobile Broadband (HSPA) networks are now live in 80 countries 32 million users worldwide - 10 times increase 2007 to 2008

ERICSSON #

Strong growth in data traffic

WCDMA & HSPA world average



Agenda

- Why Communicating Worlds 2020 ?
- Likely Truths
- Scenarios
- Vision

Scenario project overview

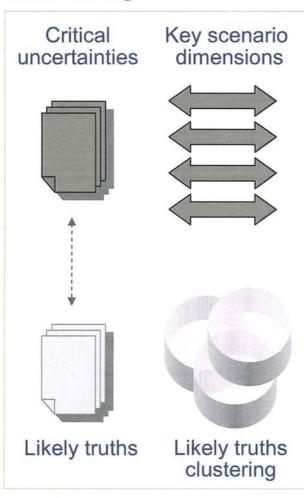


GMC 2007-

GMC 2008



I. Scanning



II. Scenarios



III. Strategic implications

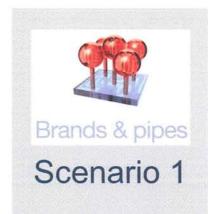


IV. User stories from 2020



The world in 2020

Four scenarios with common likely truths









Likely truths

- → User patterns
- → Industry dynamics
- → Business context

Strategic implications – choices

Likely truths

Strategic choices that must be considered regardless of scenario

Each of the scenarios

Strategic choices to capture selected opportunities and handle (hedge against) specific challenges

Agenda

- Why Communicating Worlds 2020 ?
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The world in 2020 – likely truths

aftern Likely truths dynamics

context

- Networking, personalization and mobility will radically transform user patterns
- ICT solutions will be increasingly critical for enterprises to secure sustainable competitiveness
- One billion new middle-class consumers will enter the global marketplace, mainly in Asia
- Operator consolidation, cross-industry collaboration and low-cost innovation will redefine the industry
- Most user services will be delivered independently of the network provider
- Everything that benefits from a wireless network connection will have one
- China and India will emerge as economic powers with fundamental global impact
- Sustainability and scarcity of resources will shape political agendas and ignite conflicts
- Societal vulnerabilities will increase dependency on safety and security solutions

Networking, personalization and mobility will radically transform user patterns

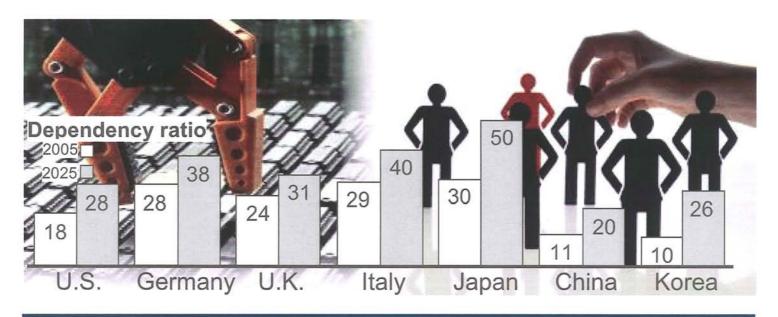


Consumer diversity → Fragmentation Individualistic lifestyles → Personalization

Mobile, transparent and efficient markets → New communication behaviors, services and tools

Communicating, comparing, producing, sharing and collaborating in social networks

ICT solutions will be critical for enterprises to secure sustainable competitiveness

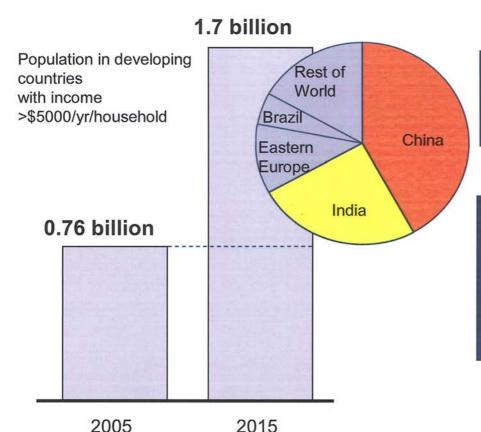


Restrained workforces → Need for productivity improvements

Self service applications, M2M communication and automation will transform business processes

IT budgets directed at knowledge management

One billion new middle-class consumers globally, mainly in Asia

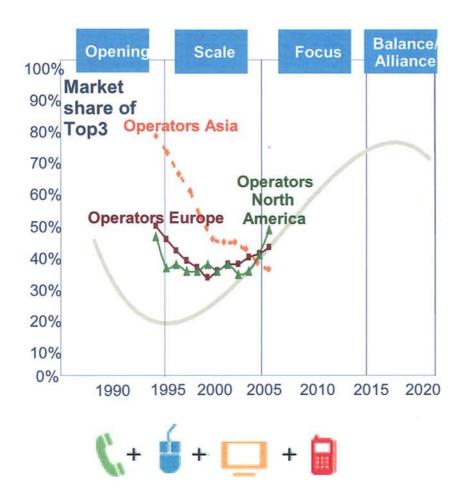


China and India are the main contributors to the one billion new middle-class consumers

Higher average income & demands for low price

- → Preferences of brands and the hierarchy of needs
- → Inequalities and rapid urbanization

Operator consolidation, cross-industry collaboration and low-cost innovation



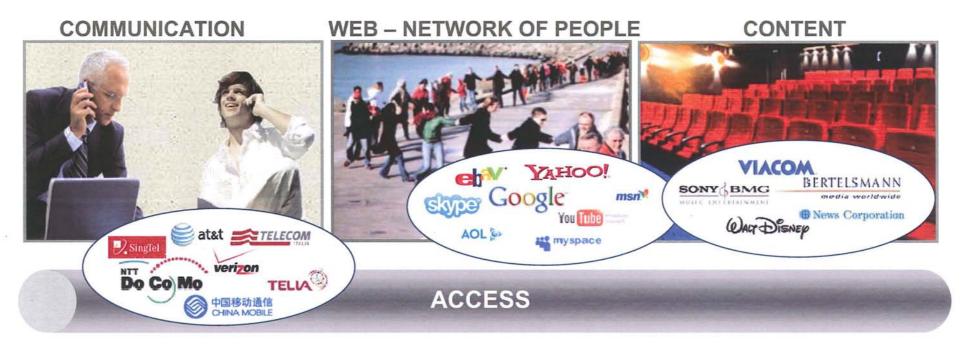
Consolidation and convergence continues

Services will increasingly be provided across borders

New emerging market multinationals enter the global market place

Technology advancements, competition and commoditization will pressure telecom services

Most user services will be delivered independently of the network provider



IP - prevailing delivery rule, the vertical dependence bw services and infrastructures gradually disappear

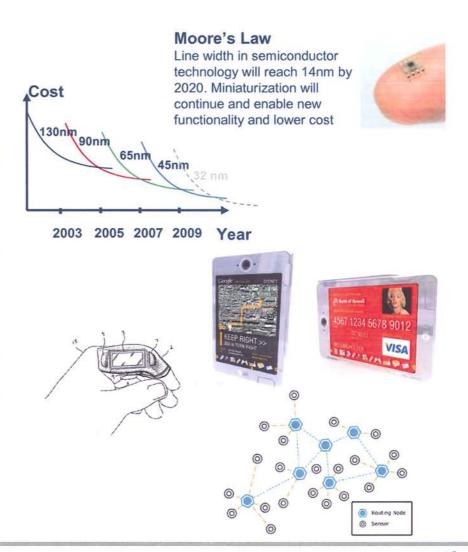
Lower entry barriers and innovation, more new competitive business models

Everything that benefits from a wireless network connection will have one

Technology will not be a limiting factor for the diffusion of new products and services

Industries will become increasingly mobilized, also increasing the share of services delivered online

New services in health care, automation, positioning and information management



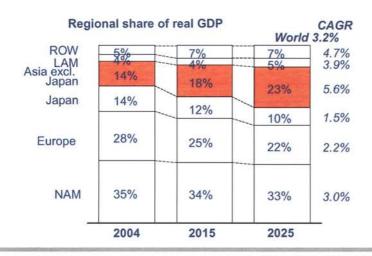
China and India will emerge as economic powers with fundamental global impact

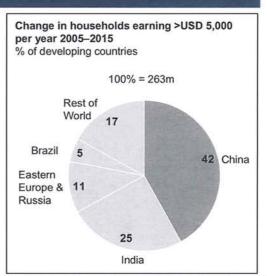
The world economy will be substantially larger

China and India will propel Asia into a more dominant position in the global economy, changing the balance of power

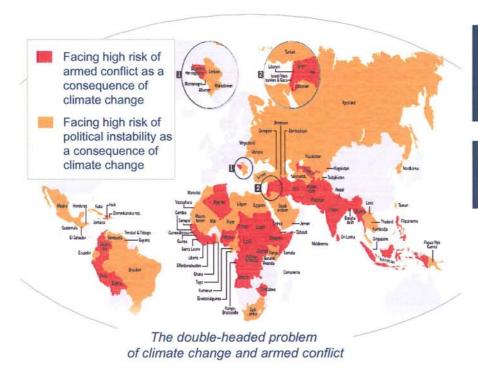
Innovation will flourish in these countries as education reaches higher populations

18





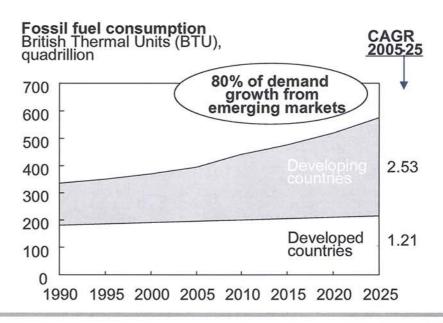
Sustainability and scarcity of resources will shape political agendas and ignite conflicts



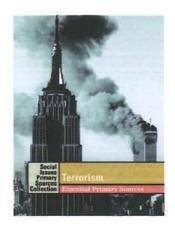
Political instruments will be used to create energy efficiencies and reduce CO_2 emissions

Resources are largely concentrated to unstable regions and climate change adds to the risk of conflict

Competition for natural resources and commodities will intensify



Societal vulnerabilities will increase dependency on safety and security solutions



Global issues will bring new societal vulnerabilities

Dependencies on information and communication systems will increase



Restricted online anonymity and privacy raise integrity concerns

Cyber crime and malware will be increasingly common



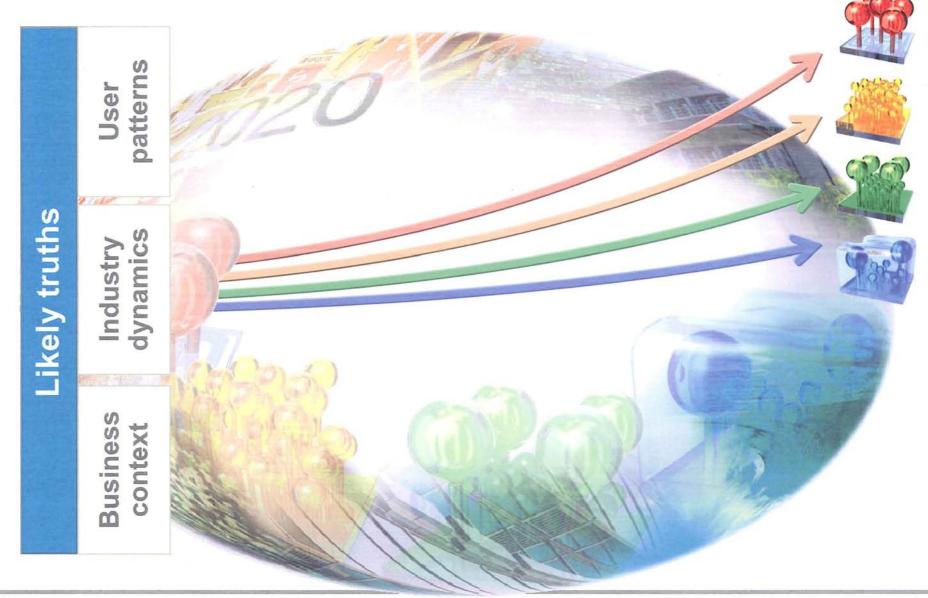
Agenda

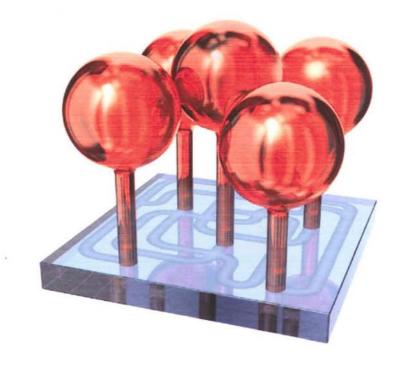
Why Communicating Worlds 2020 ?

21

- Likely Truths
- Scenarios
- Vision

From likely truths to scenarios





Brands & pipes

Large and innovative "branded" providers offer lifestyle services independently of network providers.

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Brands & pipes

At a glance



- New value is mainly created by large and innovative, branded service providers who offer convenient and trusted lifestyle and business service packages.
- Online user services are delivered over-the-top, independently of network providers and tightly integrated with devices.
- Most traditional operators end up with access and transport refocusing on scale and operational excellence. Only a few operators will manage to become brands.

Brands & pipes

Illustrative chain of events



Tipping-in (today)

Operator walled garden solutions and new business efforts are stalling.

Branded Internet services are increasingly preferred by users.

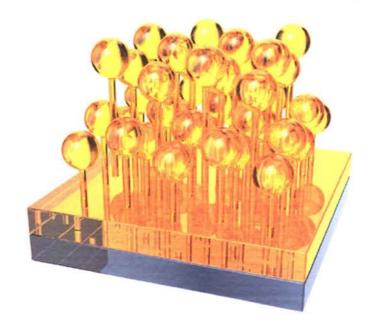
Internet players develop sophisticated user meta data solutions while offering convenient and secure online commerce together with verticals like banks.

Devices specialized for, and integrated with, Internet services are proven successful. Users are offered "complete" bundled and personalized service offerings. Convenience, security, perceived relative simplicity and brand are locking-in the users.

Devices are an integrated part of the total service offer and use the network for connectivity only.

Wholesale business model dominates for many network operators (excl. voice). A "SIMonly" business.

Services are separated from the network (except for real time and QoS critical apps). In some cases, the two are controlled by the same player.



User choice

Many small & innovative players offer an abundance of services using an intelligent "network operating system".

User choice

At a glance



- Many small, innovative players offer an abundance of services over-the-top, independently of the network operator, serving a multitude of unique user needs.
- Online services are delivered using general purpose devices and a network interface with common serviceenabling and support functions – an intelligent network operating system.
- Successful network operators will grow by controlling the network operating system or become second tier partners. Defensive operators will fail to capture new revenue streams.

User choice

Illustrative chain of events



Tipping-in (today)

Weak telecom industry growth; mature broadband market. Operators' revenues mainly come from voice and connectivity.

Users favor exploration and freedom of choice before limited branded solutions.

Increasing demand for seamless services and transparent distribution of digital content as well as applications.

© Ericsson AB 2008

2013

Pro-active operators re-focus on wholesale and advanced network functionality. They expand into vertical enterprise network solutions.

Enterprises and public sectors demand integrated telecom and IP/datacom solutions.

2016

2020

Increasing benefits for operators adding value through an intelligent "network operating system", offering QoS, real time performance, transparency, secure payments, personal security and trust.

Entry barriers are reduced significantly for SME's and innovators with over-the-top business. User services are starting to boom. Boom in diversified longtail business innovation by thousands of smaller players serving a multitude of unique user needs.



Green shift

Profound political actions on sustainability will change user patterns and demands of people and enterprises.

ERICSSON #

Green shift

At a glance



- Profound political actions on sustainability are decisively changing the priorities of societies, companies and individuals around the world.
- People and enterprises will demand utility and climate smart solutions, such as e-health, telepresence and M2M communications.
- User services are delivered by trusted utility service providers. Regulations will drive investments and consolidation of the industry.

Green shift

Illustrative chain of events



Tipping-in (today)

Increased frequency in evidence of global warming, the issue rises on national political agendas.

Politics and policies around sustainability affects the business climate. Firm action by regulators leads to restrictions and taxation on CO2 emissions.

2013

Enterprise and public sector spending on sustainability solutions and green adaptation happens at the cost of marketing and other investments.

Consumption focus shift from discretionary items to necessities.

2016

Governments, travel, transportation and logistics industries invest in communications and sensor networks, working with their preferred SI/IT partners.

2020

Sustainability success is highly rewarded by markets and regulators.

The second, CO2 bottom line; focus on optimizing business processes and on climate smart offerings.

Sustainability becoming business critica



Innovation & energy optimization



Alternative energy sources



ICT critical to low carbon economy



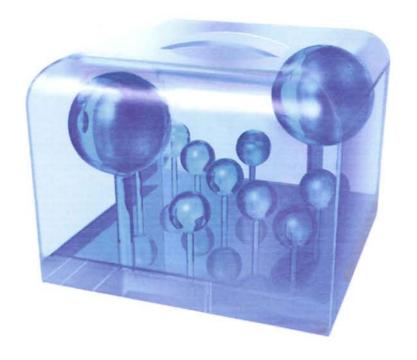
Emits equal amount of CO₂ as

1 year mobile telephony (network & phone life cycle aspects)



1 hour car travel (fuel aspects only)

ICT - a 10 to 1 lever to reduce global CO₂ emissions.



All-inclusive

Large and vertically integrated players will emerge and provide everything from connectivity to content.

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All-inclusive

At a glance



- Large, vertically integrated regional players will be created through cross-industry M&A across telecom, IT, media, entertainment and electronics (TIME) sectors.
- Driving convergence, wealthy all-inclusive providers will seek to lock users in. Users become passive, innovation is slow and entry barriers high.
- Vendors will be largely dependent on the new dominating players. Overall growth will be moderate in a more regionalized economy.

All-inclusive

Illustrative chain of events



Tipping-in (today)

Internet, media and other players trying to access the mobile channel stall due to efficient protection from network operators who continuously defend their position.

Telecom operator consolidation accelerates. Economies of scale, key competitive advantage.

2013

Broadening of offerings by operators.

Entry barriers for innovations and new solutions are increasing in a push/supply market.

Increasing national trade barriers

2016

Cross-industry
M&A in TIME
sectors result in
large vertically
integrated (and
regional) players
with stable
market positions,
but lower growth.

2020

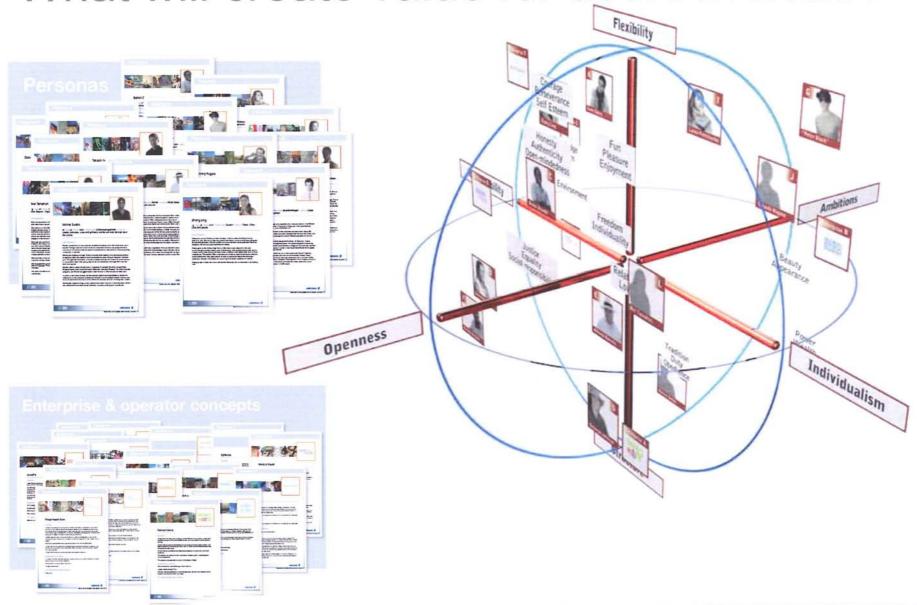
The TIME industry as well as device and consumer electronics has converged heavily.

Passive regulators and national agendas have created a regionalized world economy

Agenda

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What will create value for users in 2020?

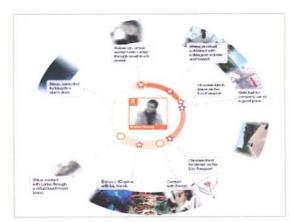


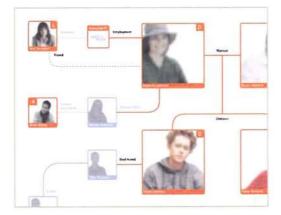
Extended personas

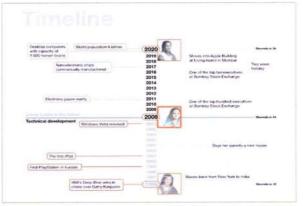
Life story, chronograph, relation tree, timeline, interview





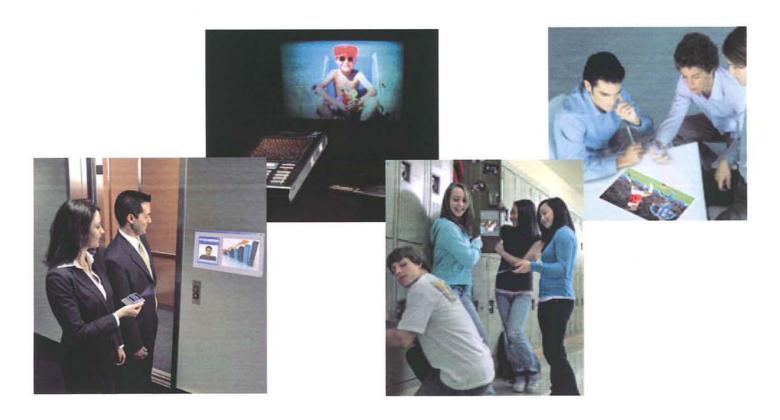








Looking at the bigger picture

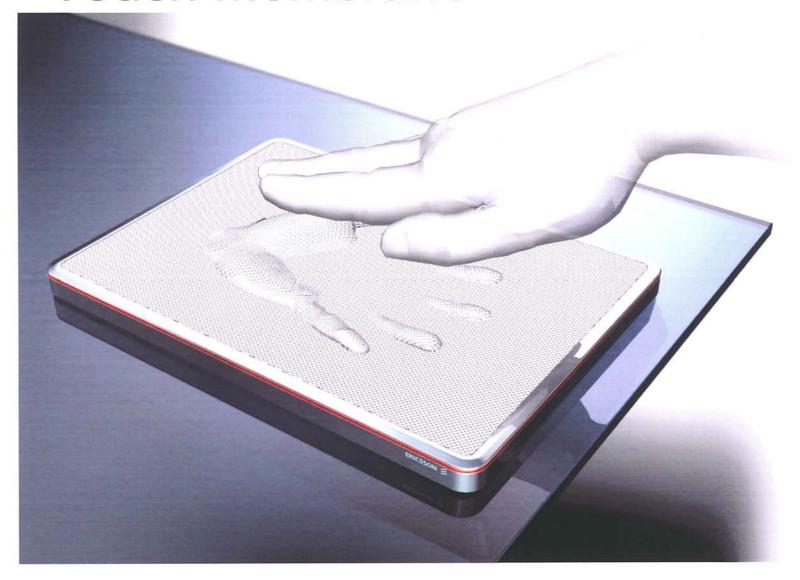


Source: The Economist Printed Edition, March 6, 2008.

The first commercial Pico-projectors will probably appear in 2009-10

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Touch Membrane



Virtual Cubicland



Eco Passport/Eco Controller



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