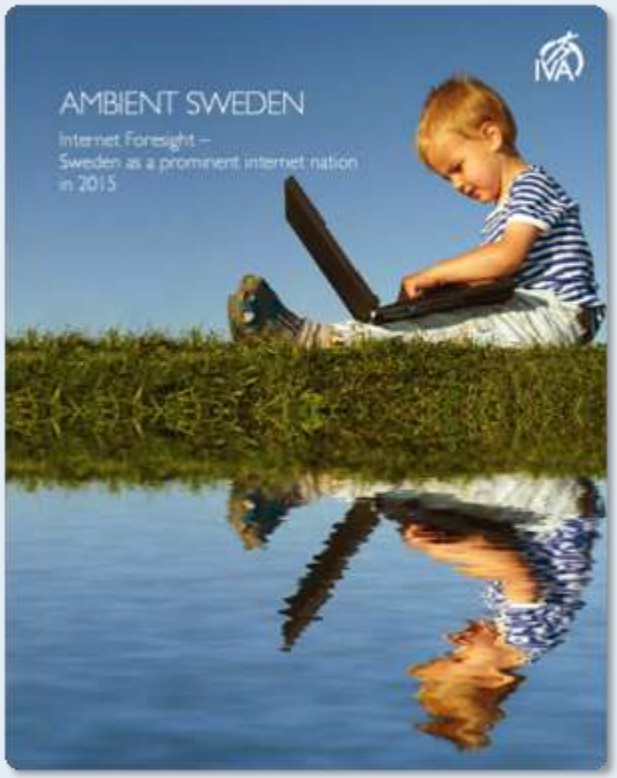
Ambient Sweden

Future EU ICT policy - eUnion 2015

Internetdagarna 4 November 2009

Ambient Sweden – *A multi-stakeholder project to secure that Sweden becomes a leading internet nation in 2015*



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Agenda

- Introduction to IVA and Ambient Sweden

Prospective

- Background
- Focus areas of Ambient Sweden
- Examples – Track 3 – IT-based teaching in schools

6 suggested areas for Future EU ICT policy

- Increased stability – Resilience
- Net neutrality – an open service market among ISP
- What can Sweden do for ICT in Europe?

ROYAL SWEDISH ACADEMY OF ENGINEERING SCIENCES

"To promote the engineering and economic sciences and the advancement of business and industry for the benefit of society"

IVA statutes, 1

Founded in 1919

prospective

Background

The project held a broad perspective in 2008 and analysed a number of strategic challenges.

The results were summarized and presented in ten bullets:

1. New opportunities for businesses and the public sector
2. Raise the level of trust in the Internet
3. A common service market
4. Infrastructure for future Internet services
5. A business-friendly climate
6. The digital gap versus the digital ladder
7. A flexible working life
8. IT-based teaching in schools
9. Research and innovation that places Sweden at the top
10. International profiling

Focus areas of Ambient Sweden - 2009

Ambient Sweden is divided into six different areas; six different tracks, with clearly defined focus for each track:

1. New opportunities for the private and public sectors
2. Common platforms for services and infrastructure
3. Development within schools and in working life
4. Research and innovation
5. Effective regulations and legislation
6. International profiling

Examples – Track 3 – IT-based teaching in schools

- We need to develop teaching methods for all subjects that make better use of the opportunities offered by IT and the Internet.
- Investment in this area should include resources for pedagogical research, teacher training in technology use and development of the appropriate tools.
- Swedish innovation companies could play an important role, both nationally and internationally.
- We would also like a new subject – computer handcraft – introduced into the school curriculum.
- Computer studies should cover technology, ethics and media scrutiny.

Increased resilience

Within organizations

- Responsibility and accountability among the organizations that take actions and perform services

Within infrastructure

- Robust network, backup functions, secondary servers, mirrored servers, zone-transfer, routing-updates, etc
- Logical infrastructure Identities, private/public keys

Within applications

- Should be stable, dependable and functional

Net Neutrality

Support free internet access

- Applications should be able exists on many platforms
- Every customer should be able to choose and also have access to any application independent of internet provider
- Support the establishment of a meeting place for any internet provider and any player in the service market in order to achieve interoperability and create joint services
- Monitor any other standardization initiatives
- Promote advanced traffic exchange between operators

What can Sweden do for ICT in Europe

Support the Internet on an IGF-level

- Sign a contract with ICANN on government level (shows the world the way to a multi-governance support of ICANN)
- Take a leading internet position on Internet of things. Focus on the needs. Demonstrate use and benefit.

Security

- Through practical cases, make sure to secure DNS, certificates and key administrations
- Show experience how to protect banking and finance institutions from exposures on the internet.