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34

Why is software important?

Digital convergence

ful computational infrastructures relying on software platform

Ambient intelligence runs on software

Software will be the crucial component in the interconnected world

Laws, regulations, habits and culture

will be partially implemented and coded in software: privacy & data protection, business methods, accounting standards, intellectual

> The capability to develop Software and Services is an essential asset in the Information Society





Disruptive changes in Software and Services

- **Growing demand**
- · From products to services
- Increase in system complexity
- Collaborative software development and distribution (OSS)
- Emerging competition from newly industrialised countries





Can Europe master these changes?

Strengths

- Strong secondary software industry
- Strong service and integration industry
- Active OSS community
- Solid ind. Sectors: telecom, aeronautics, automotive
- Strong specialised SMEs
- · Good educational standards · Poor R&D exploitation
- Multi-cultural environment •

Weaknesses

- · US dominance in "standard software" and applications (i.e. desk-top software)
- · Weak presence in standards fora
- · Few European IT "giants"
- Less homogeneous market for standard software solutions
- · Fragmented academic research
- Outsourcing European software





Can Europe master these changes? **Opportunities**

- · Drive the shift towards "e-services"
- Master complexity
- · Capitalise on the convergence of platforms (mobiles, multimedia, Internet...)
- · Exploit the strong systems integration assets

Invest more in research: innovate, innovate, innovate!!!





FP6 Research in 'Software and Services'

FP7 Higher research budget Technology platforms

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244







