



e-Skills

Fostering Competitiveness, Growth and Jobs

Riga, 13 March 2015

The Challenge

Contributing to the availability of an adequate e-skills supply is the **immaturity** of the ICT profession compared to other professions.

This is evident with respect to agreed bodies of knowledge, standards of education and training, competences, and ethical conduct.

- Poor public perception of ICT education, jobs and careers
- Insufficient number of people entering ICT education and careers
- Disturbing rate of ICT project failures

Traditionally, professions have formed when failure to apply domain-specific knowledge successfully had the potential to adversely impact on society. As we enter a **new wave of pervasive computing** the extent to which ICT is embedded in society will inevitably grow.

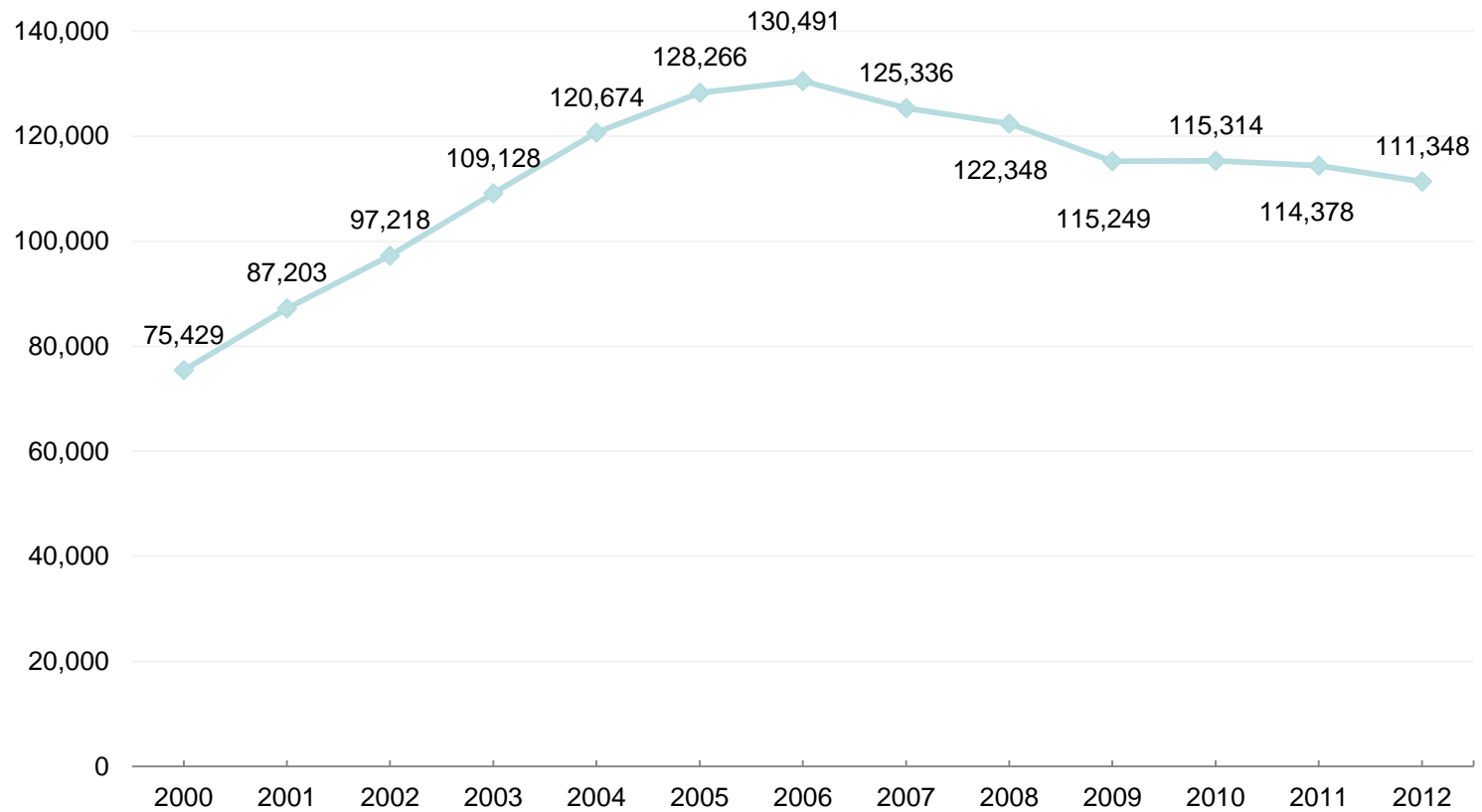
If we fail to take steps to mature the ICT profession, the **risks** may grow to unacceptable levels – as such, the call for action is clear.

Vint Cerf, one of the founding fathers of the Internet wrote:

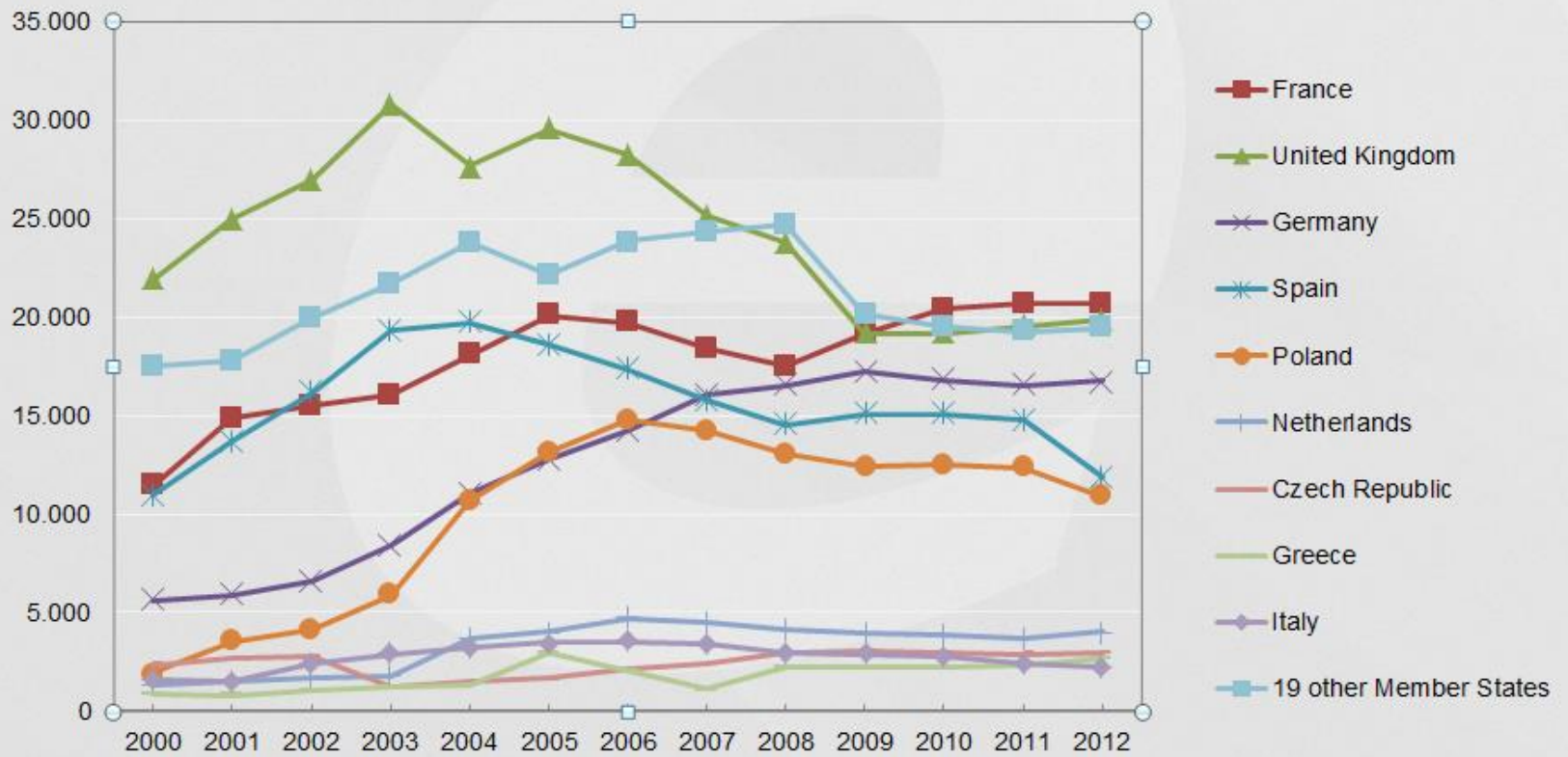
“ It is difficult to believe the software profession will escape some kind of deep accountability in the future ”

(Cerf, 2013)

Tertiary ICT graduates (1st degree) EU28



Tertiary ICT graduates (1st degree)





e-Skills and ICT Professionalism in Europe

- **Commission Communication on "e-Skills for the 21st Century" and Competitiveness Council Conclusions**
- Monitoring Supply and Demand + Foresight Scenarios
- Benchmarking Member States Policies and Multi-stakeholder Partnerships in Europe + Detailed Country Analysis and Reports
- **European Framework for ICT Professionalism** (with CEN)
 - *European e-Competence Framework and ICT Jobs Profiles*
 - *European Foundational ICT Body of Knowledge and Curriculum Development Guidelines*
 - *Quality Label for ICT Industry Training and Certification*
 - *Professional Code of Ethics*
- **e-Leadership and KETs skills + Digital Entrepreneurship**
- **Grand Coalition for Digital Jobs**
- **e-Skills for Jobs Campaign** (2015-2016)

ICT Professionalism

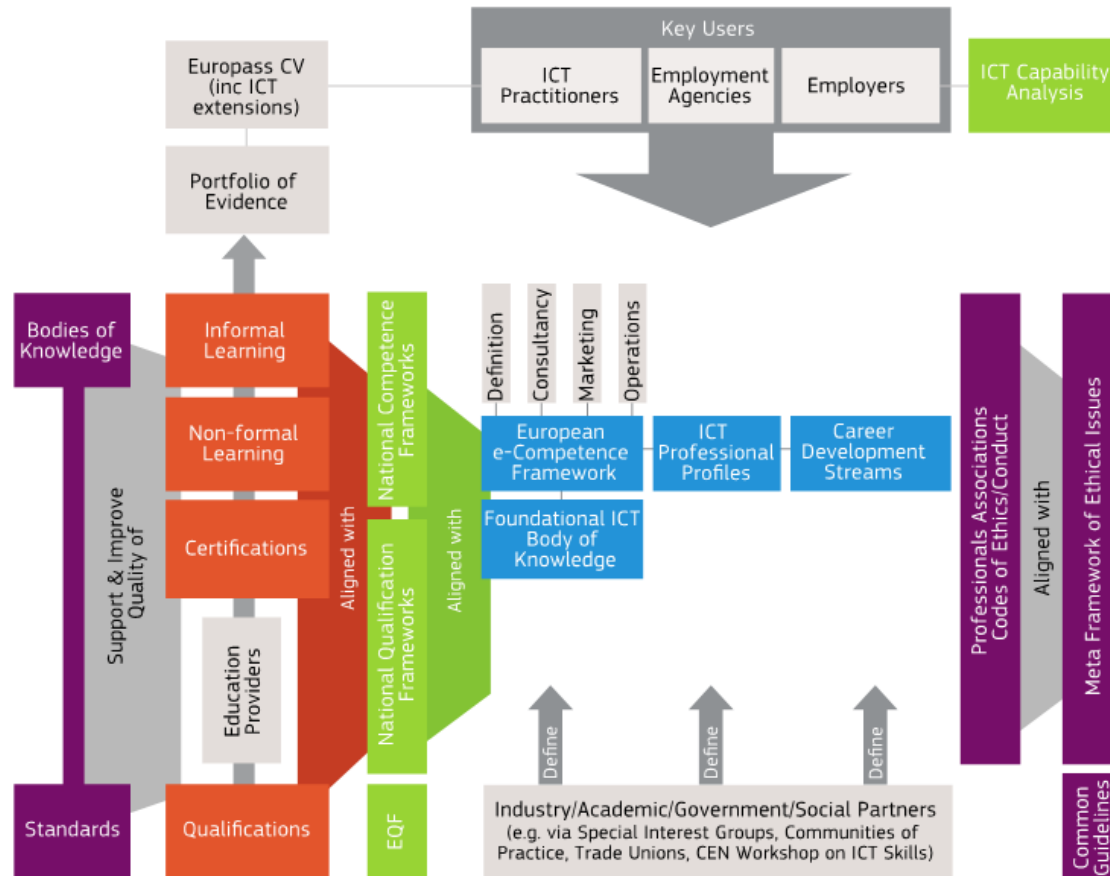
Bodies of
Knowledge

Professional
Ethics

Education and
Training

Competences

European Framework for ICT Professionalism





Contact



André Richier

European Commission

DG for Internal Market, Industry, Entrepreneurship and SMEs
Unit H3: Key Enabling Technologies and Digital Economy

e-mail: andré.richier@ec.europa.eu

website: http://ec.europa.eu/growth/sectors/digital-economy/e-skills/index_en.htm

Thank You