



# 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.

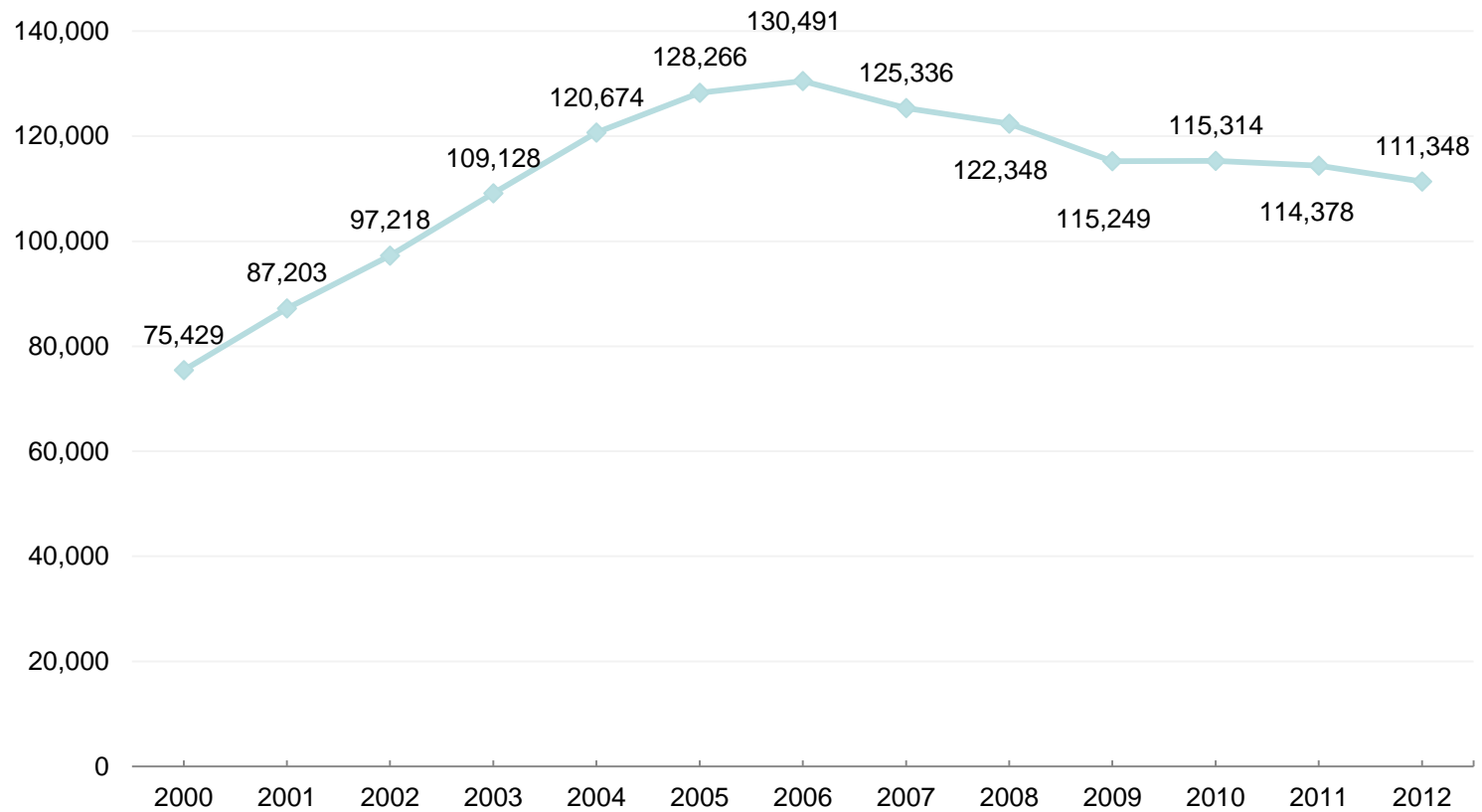
If we fail to take steps to mature the ICT profession, the **risks** may grow to unacceptable levels – as such, the call for action is clear.

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

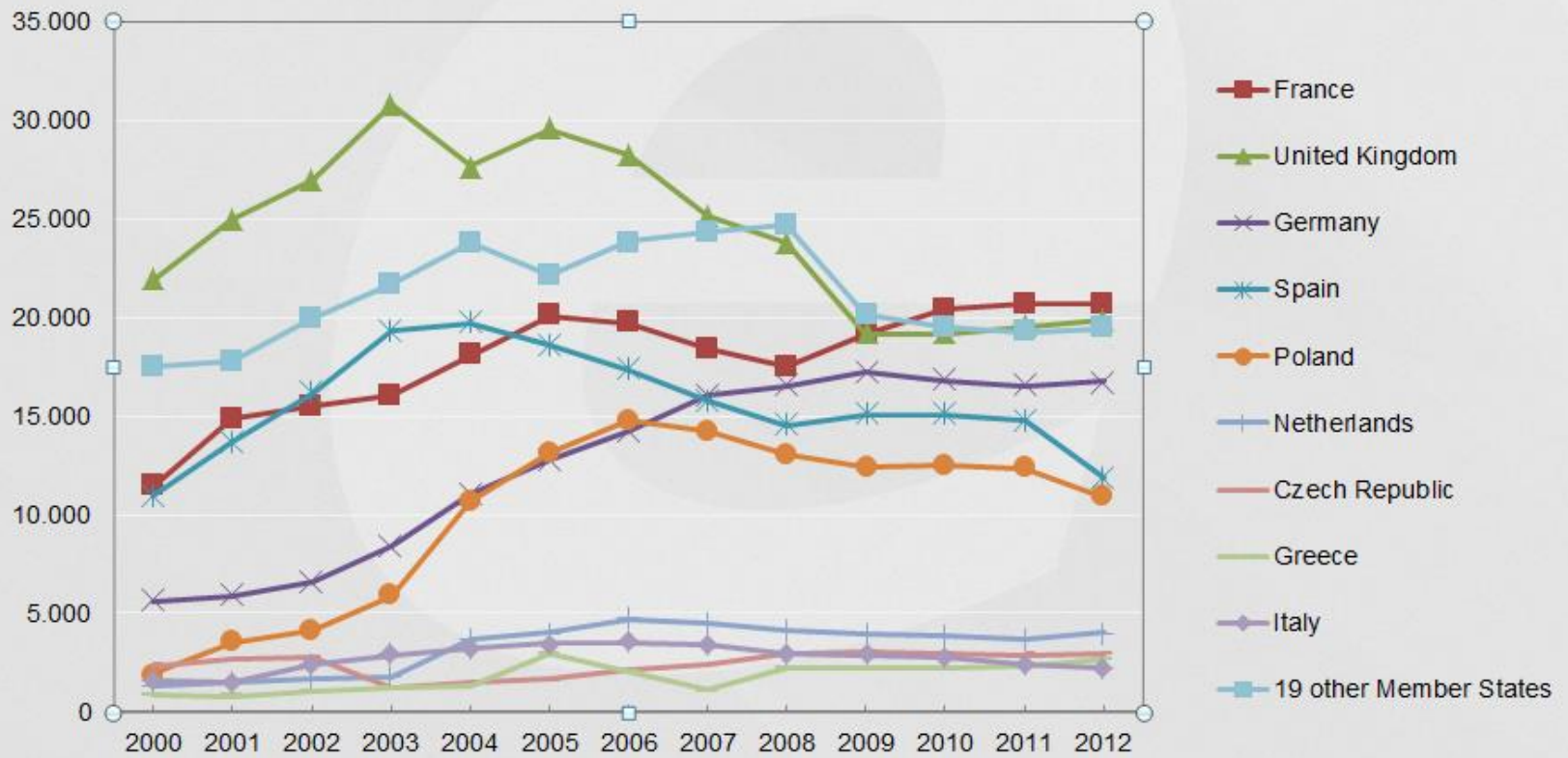
*“ It is difficult to believe the software profession will escape some kind of deep accountability in the future ”*

(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 21<sup>st</sup> 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

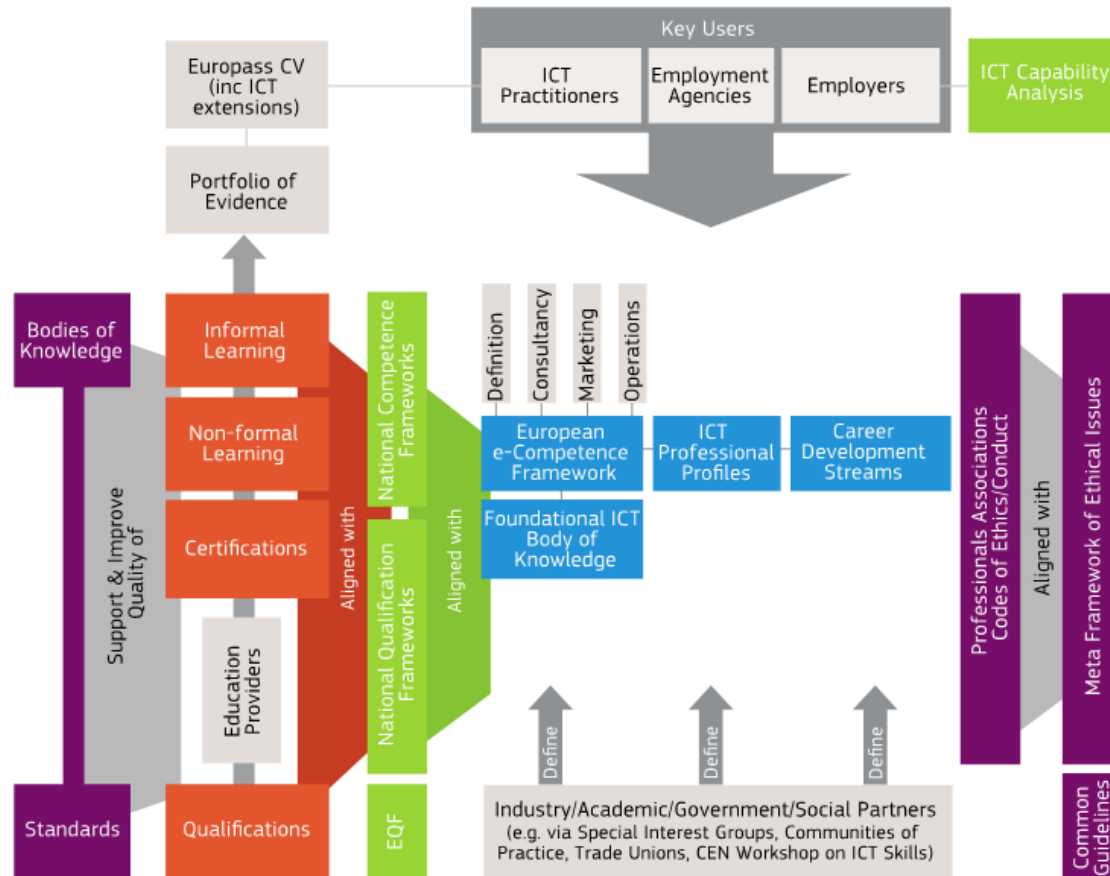
Bodies of  
Knowledge

Professional  
Ethics

Education and  
Training

Competences

# European Framework for ICT Professionalism







## Contact



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# Thank You