



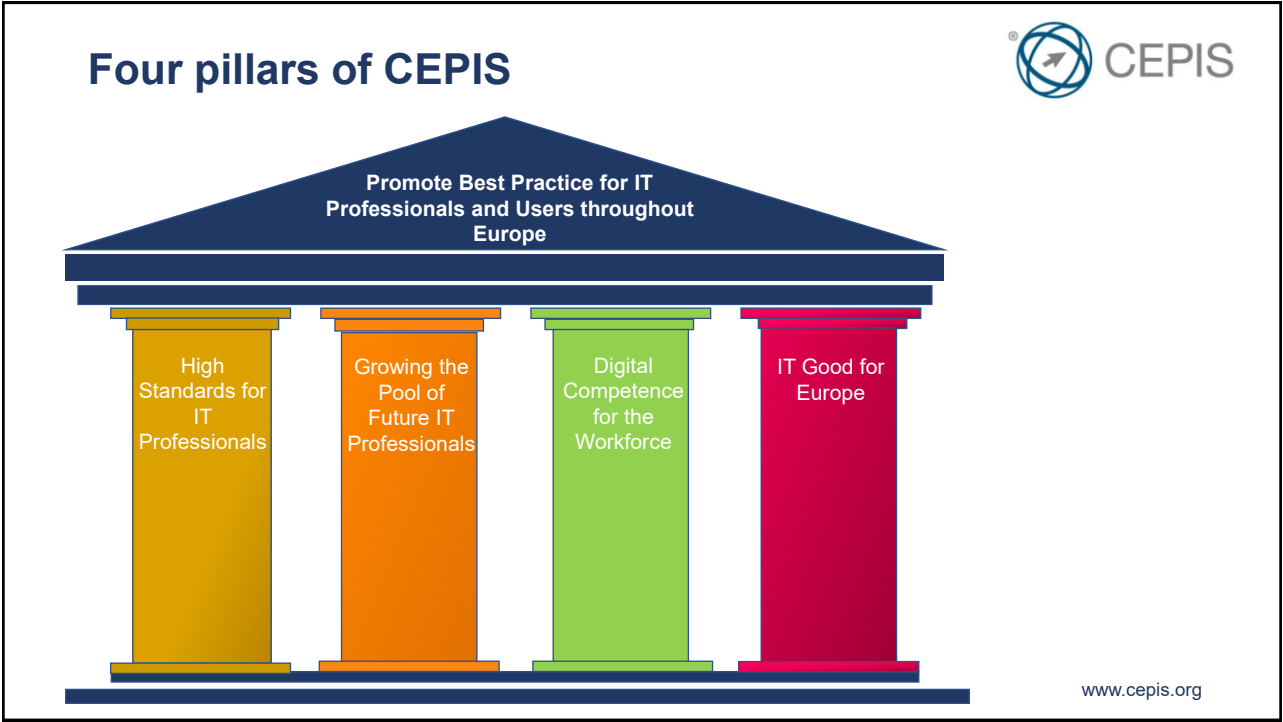
Luis Fernández-Sanz
Member of the Board

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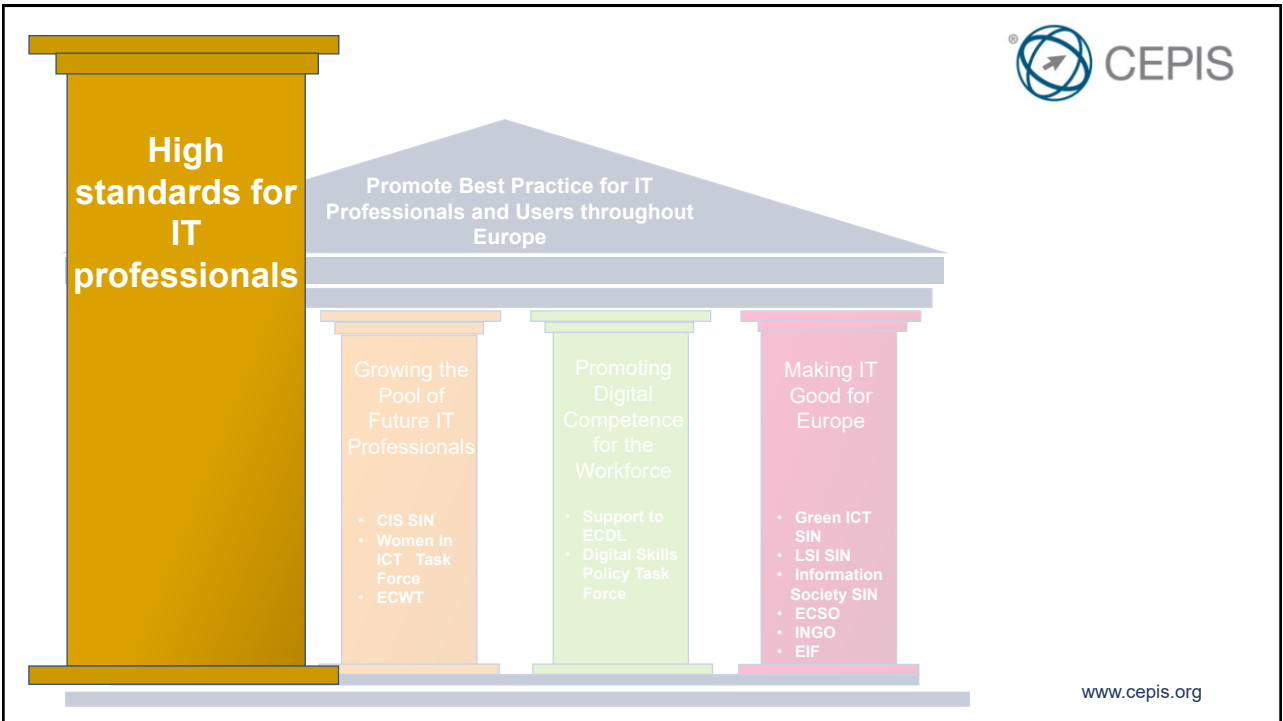
- [CEPIS](#) – Council of European Professional Informatics Societies
- CEPIS is the representative body of 30 national informatics associations throughout greater Europe
- CEPIS Member Societies together represent over 450,000 ICT professionals



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European Committee for Standartisation (CEN)



- For 15 years, CEPIS chaired the CEN Workshop on ICT Skills
- The Workshop led development of the e-Competence Framework (now European standard)
- CEPIS has a liaison status with, CEN TC428, responsible for all aspects of standardisation related to maturing the ICT Profession



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IT Professionalism Europe

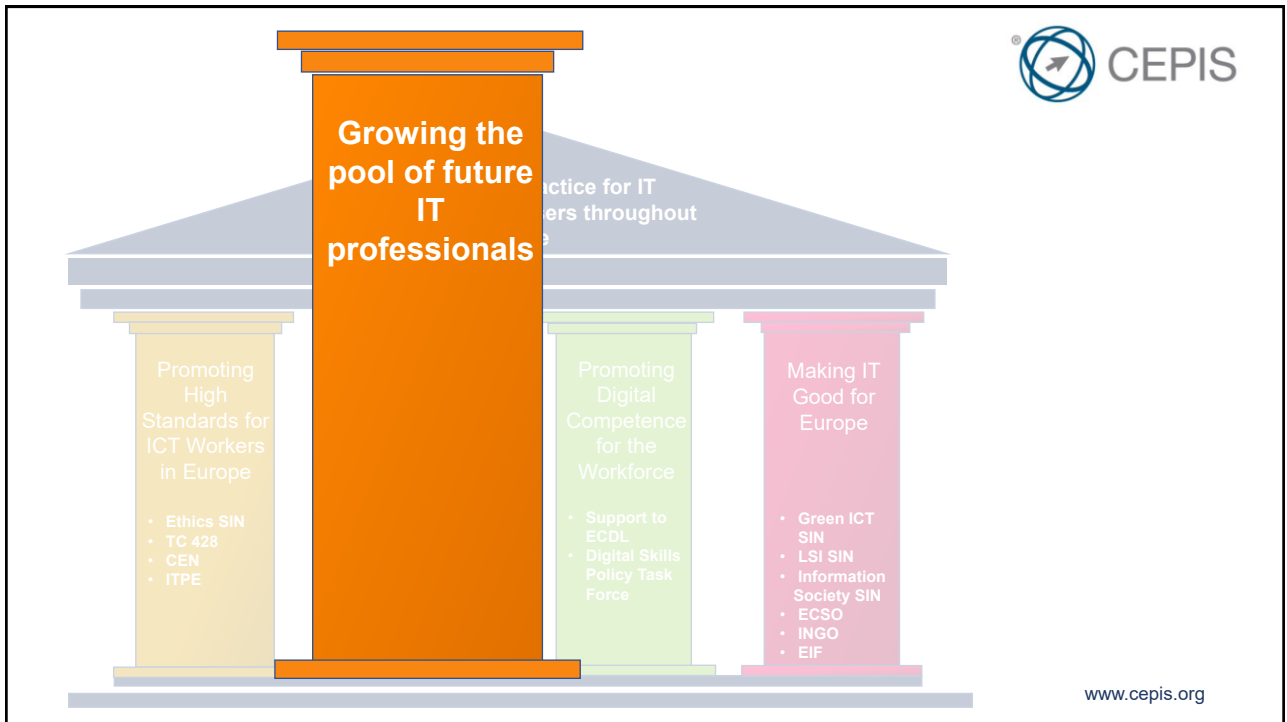
Competent and careful. Recognised and respected.

Network of stakeholders committed to the advancement of IT professionalism.

It includes public and private sector experts from critical IT domains, including policy, standards, HR and IT management, as well as education, training and other service providers that support IT professionalism.

Join for free: <https://itprofessionalism.org/>

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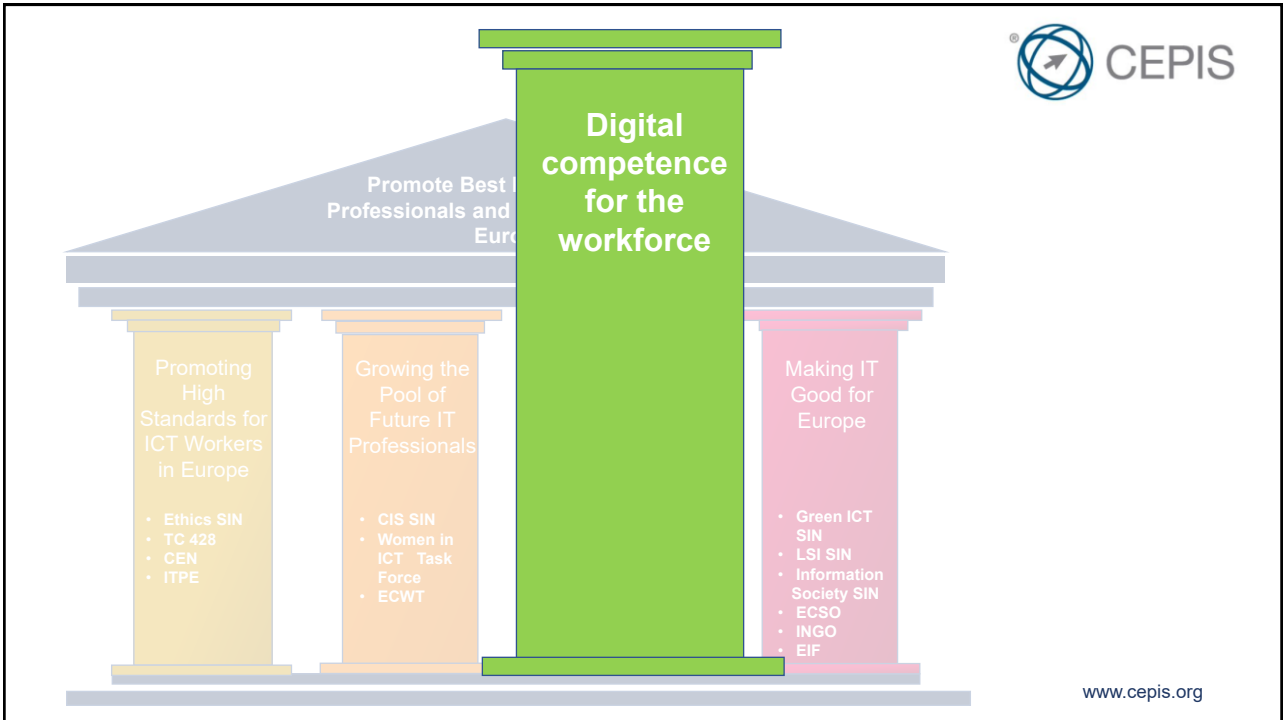
Growing the pool of future IT professionals

- **Computing in Schools Group:**
 - Advocates that CS should be part of the school curriculum
- **[Informatics for All coalition](#)**
 - CEPIS: founding member with ACM and Informatics Europe
 - Advocates for inclusion of Informatics as foundational discipline in schools across Europe
- **Women in ICT Taskforce:**
 - Advocates for attracting and retaining more women as IT professionals






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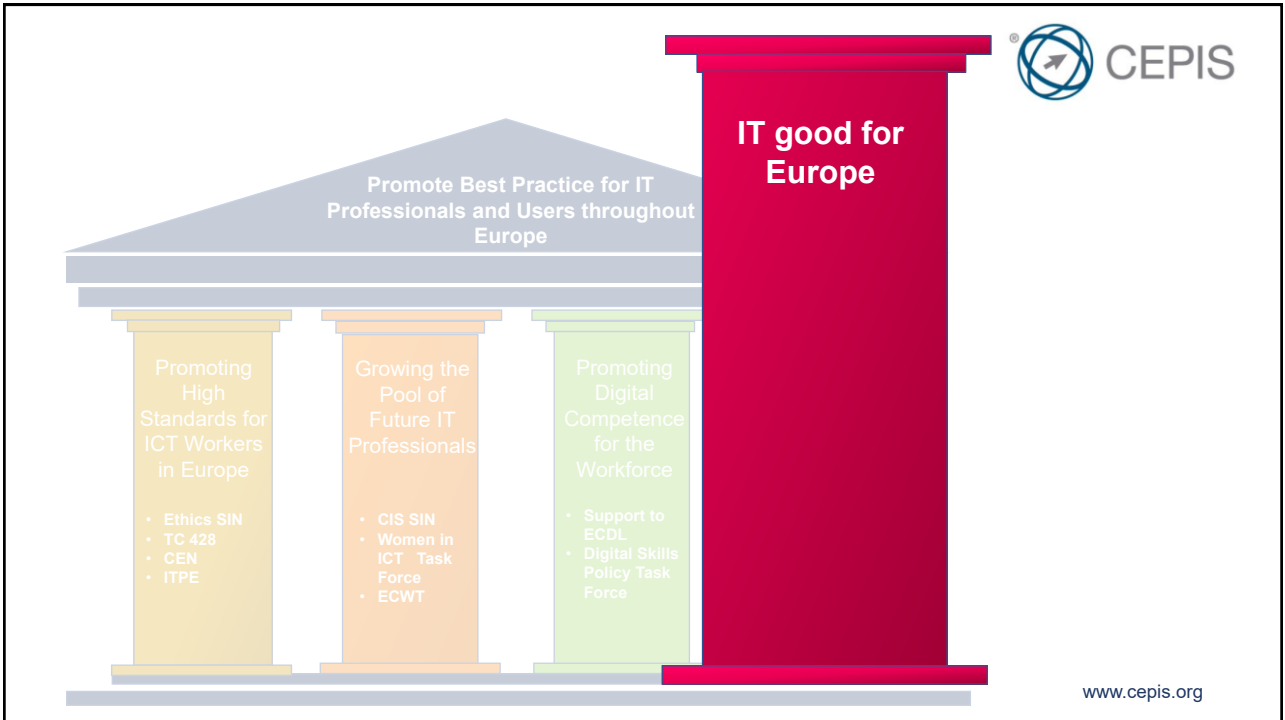
Digital Skills Policy Group

- Analyses policy documents on Digital Skills issued by the European institutions
- Promotes digital skills for the workforce and certification
- Position paper [“The European Union must act immediately to improve the level of digital skills”](#)

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Legal and Security Issues Group



- Focuses on IT-related legislation in IT security issues
- CEPIIS warns MEPs against 'E-evidence' Regulation
- Statement 'CEPIIS calls for really secure ICT hardware and software in Europe'
- Comments on New regulation on ENISA
- ECSO member




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Data science in EU frameworks



- ESCO (<https://ec.europa.eu/esco/portal/home>): multiple skills and knowledge terms
 - Technical linked to DB: data mining, data warehouse, etc.
 - Methodological: managing and analysing digital data
 - Using digital tools to organise, store, retrieve, and analyse data, information and digital content: analyse big data, perform data analysis, cleansing or mining, etc.
- DEDALUS Project: <https://dedalus.pa.itd.cnr.it/en/>:
 - Information literacy
 - Data management: e-CF framework: competences D7 and D10

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IoT in EU frameworks



- ESCO (knowledge):
 - Internet of Things: the general principles, categories, requirements, limitations and vulnerabilities of smart connected devices (most of them with intended internet connectivity).
 - Essential skill for:
 - ICT security administrator, embedded systems software developer, ICT security manager, mobile application developer, industrial mobile devices software developer

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Relevance of Soft Skills



- Project Skills Match: <https://skillsmatch.eu/>
 - New framework based on a large number of references: 36 skills



- Full system for profiling soft skills and guiding learning paths
- Online MOOC selected for each soft skills
- Free access: <https://beta.skillsmatch.eu/>

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Thank you!

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