




Digital skills in the Netherlands

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Agenda

- Set the scene
- Digital skills
- Challenges
- Advice 
- Questions

The Netherlands (NL)

- Inhabitants: 17,5 Million
- Density: 521/km²
- Currency: €
- Language: Dutch
- World GDP ranking: 17



NL in Digital Economy and Society Index, DESI



CONNECTIVITY



HUMAN CAPITAL



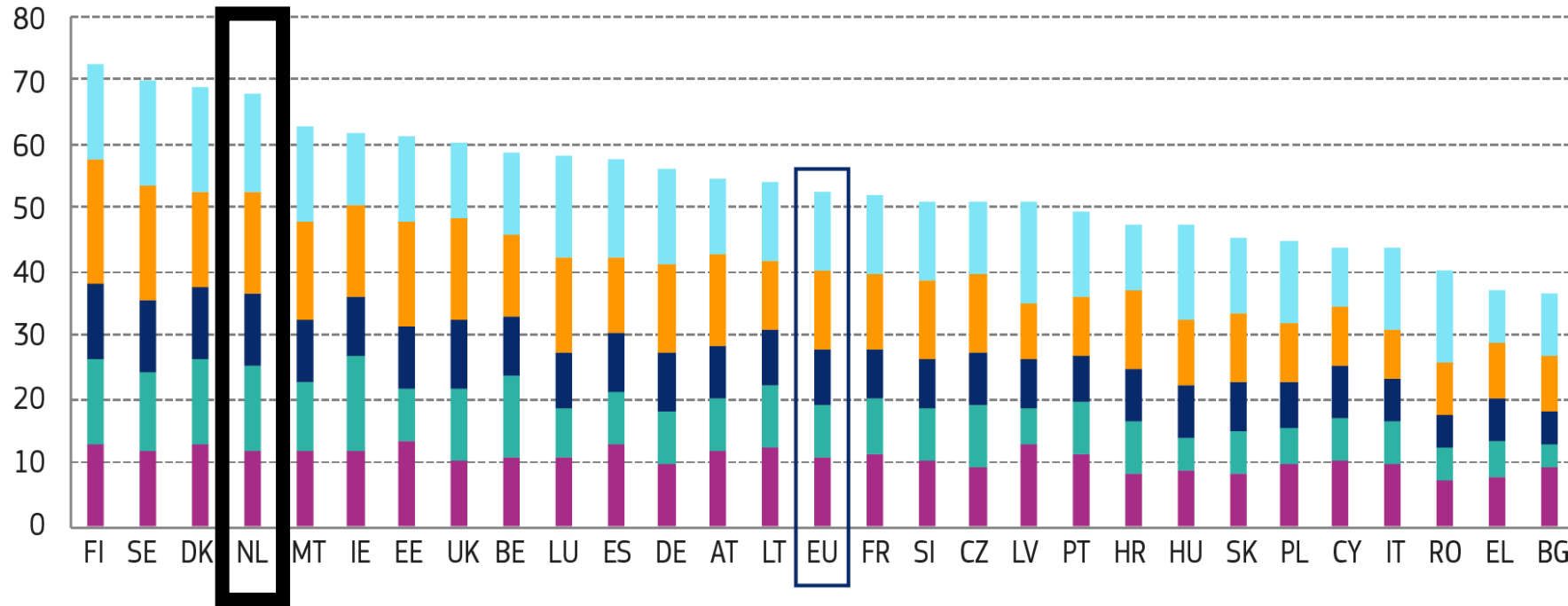
USE OF INTERNET SERVICES



INTEGRATION OF DIGITAL TECHNOLOGY



DIGITAL PUBLIC SERVICES



Digital skills for different groups

- Consumers



- Citizen



- Professionals in general



- ICT professionals



NL ICT professionals

Working in a digital world:

A Dutch framework

- Started in 1982
- Last and final edition 2017



ICT professionals: digital skills = competences

CEN TC 428 : ICT professionalism and digital skills: <https://www.ecompetences.eu/>



Dimension 1 5 e-CF areas	Dimension 2 41 e-Competences identified	Dimension 3 5 e-Competence proficiency levels				
		e-1	e-2	e-3	e-4	e-5
A. PLAN	A.1. Information Systems and Business Strategy Alignment					
	A.2. Service Level Management					
	A.3. Business Plan Development					
	A.4. Product/Service Planning					
	A.5. Architecture Design					
	A.6. Application Design					
	A.7. Technology Trend Monitoring					
	A.8. Sustainability Management					
	A.9. Innovating					
	A.10. User Experience					
B. BUILD	B.1. Application Development					
	B.2. Component Integration					
	B.3. Testing					
	B.4. Solution Deployment					
	B.5. Documentation Production					
C. RUN	B.6. ICT Systems Engineering					
	C.1. User Support					
	C.2. Change Support					
	C.3. Service Delivery					
	C.4. Problem Management					
D. ENABLE	C.5. Systems Management					
	D.1. Information Security Strategy Development					
	D.2. ICT Quality Strategy Development					
	D.3. Education and Training Provision					
	D.4. Purchasing					
	D.5. Sales Development					
	D.6. Digital Marketing					
	D.7. Data Science and Analytics					
	D.8. Contract Management					
	D.9. Personnel Development					
	D.10. Information and Knowledge Management					
D.11. Needs Identification						
E. MANAGE	E.1. Forecast Development					

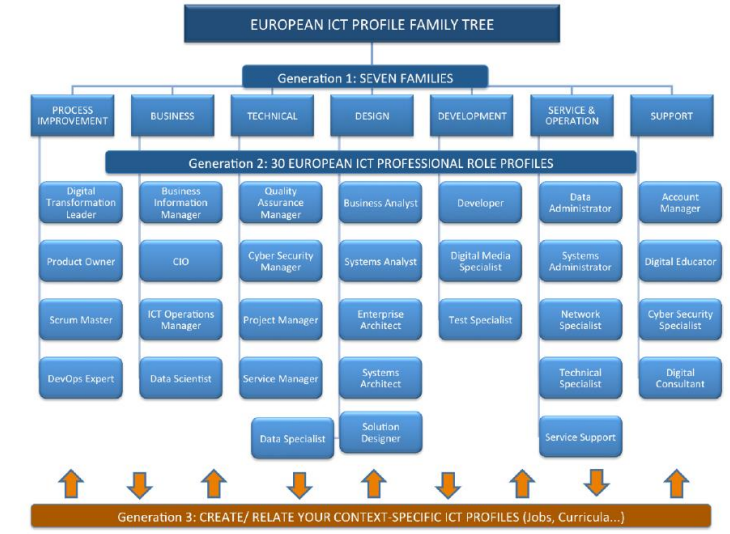
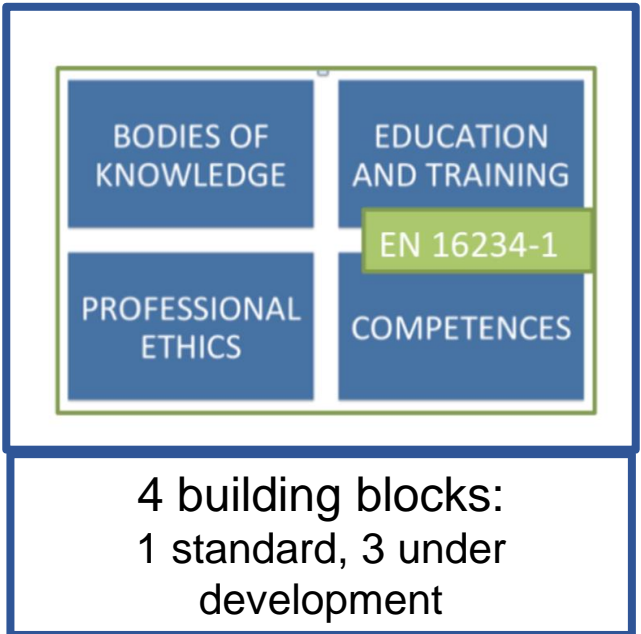
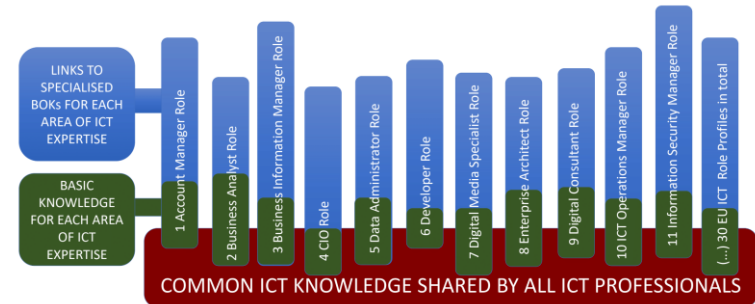


Figure 4: 30 European ICT Professional Role Profiles (generation 2) in seven families (generation 1) at the top of the European ICT Profile Family Tree

Note: The Bok will:

- connect e-CF profiles through **common knowledge** and
- provide **basic knowledge** for each individual profile
- provide **links to specialised BoKs** for each individual profile



+ NEW: 7 e-CF TRANSVERSAL ASPECTS
Being aware of and, if applicable, behaving proactively in
 T1 Accessibility, T2 Ethics, T3 ICT legal issues, T4 Privacy, T5 Security, T6 Sustainability, T7 Usability



ICT professionals: IFIP's Code of Ethics

<https://www.ipthree.org/ifip-code-of-ethics>



4 sections

- 7 common ethical principles
- 9 responsibilities specific to the ICT professions
- 7 responsibilities for those with a leadership position
- Guidance how to apply by professional decisions.

Benefits of the Code

- › Inspires IT professionals
- › Identifies the consistent international conscience of the profession
- › Educates the public
- › An international statement of the intercultural values of global ICT
- › A common ground for international discourse on professional responsibility
- › Educates aspiring ICT professionals about their ethical obligations
- › Consistent with and extends the impact of IP3s Four Pillars

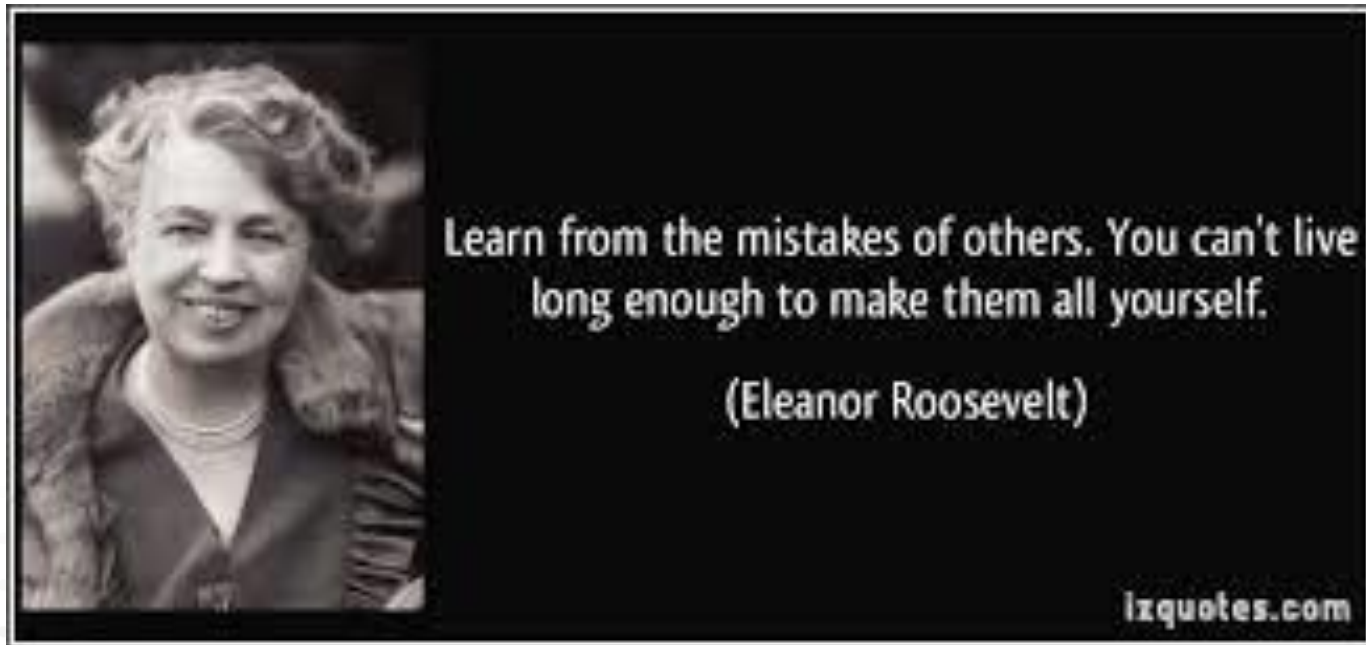
—“———
Affirming our
obligation to use
our skills for the
benefit of society



Advice



- Learn, copy and use what has proven to work
- Don't do it on your own



Thank you!

Questions?

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