

EQANIE GOALS & ACTIVITIES. THE EURO-INF QUALITY LABEL

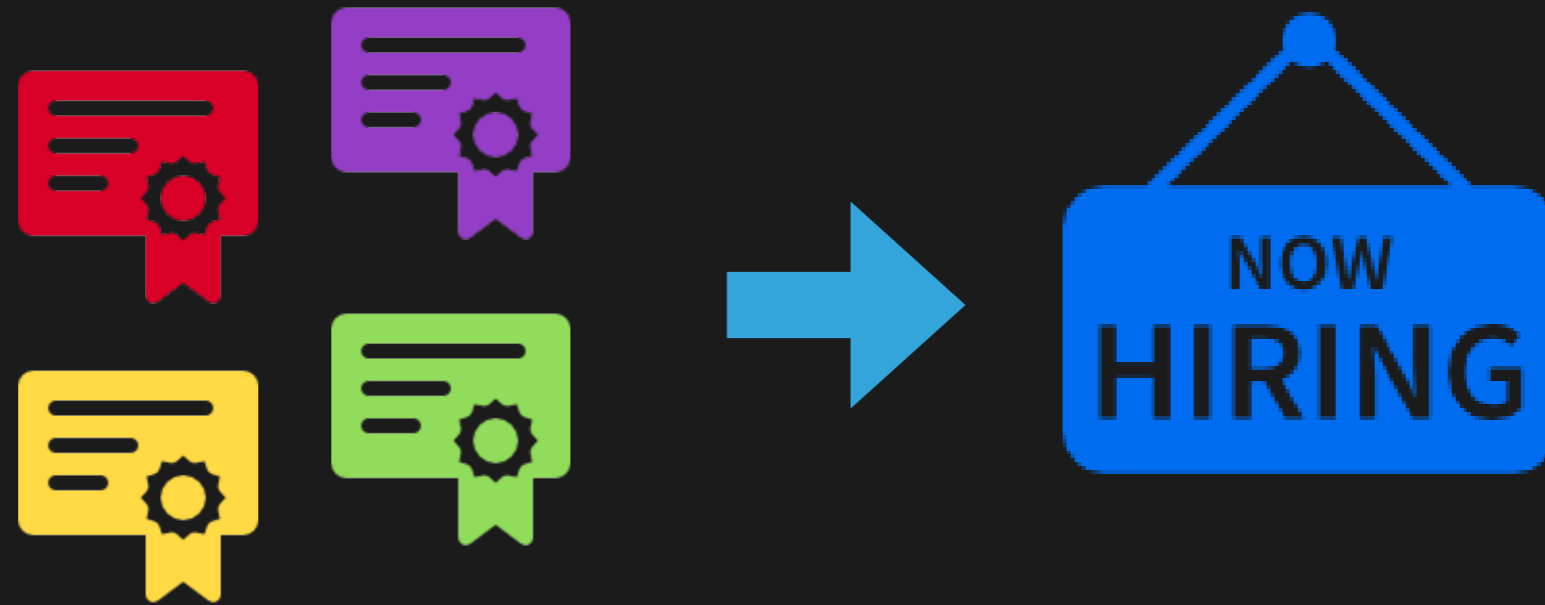
EDUARDO VENDRELL VIDAL

EQANIE PRESIDENT

ECSS 2016 - Oct, 2016. Budapest

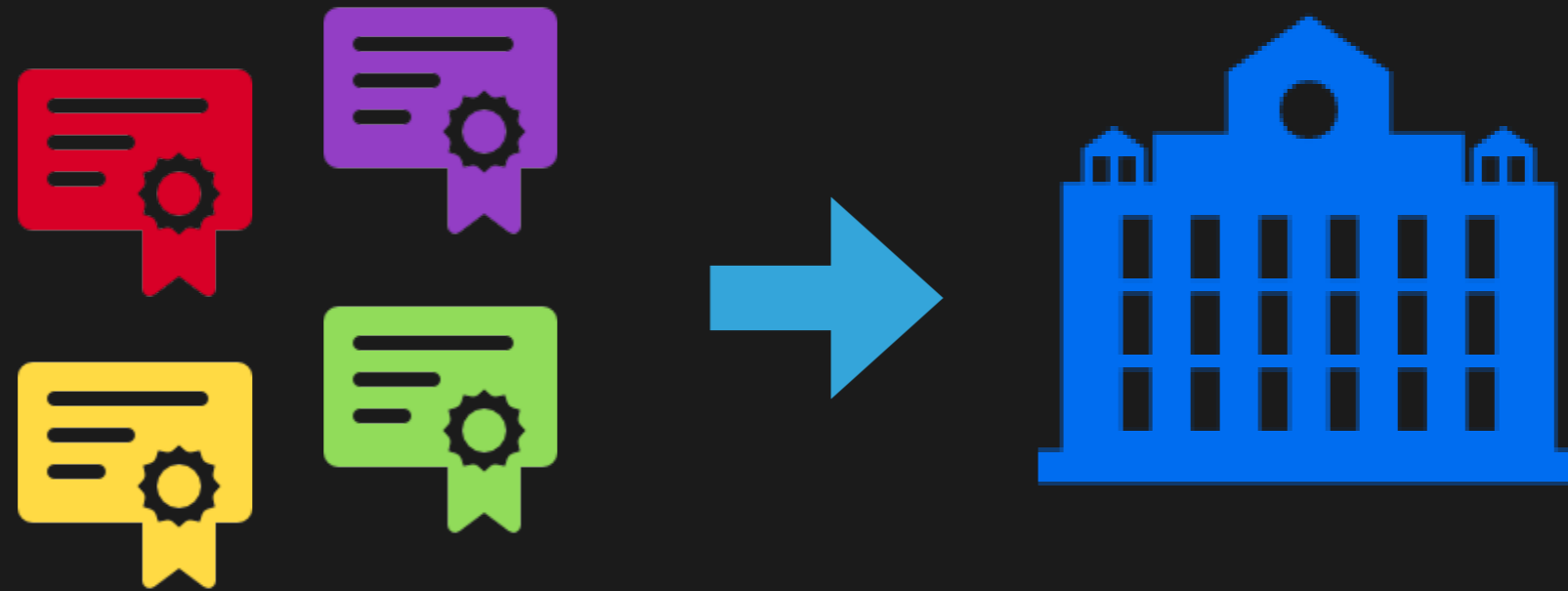
- ▶ WHY ACCREDITATION?
- ▶ WHY INFORMATICS ACCREDITATION?
- ▶ THE EURO-INF QUALITY LABEL
- ▶ EUROPEAN INITIATIVES AROUND INFORMATICS
- ▶ HOW TO BE ENGAGED?

THE PROFESSIONAL PROBLEM



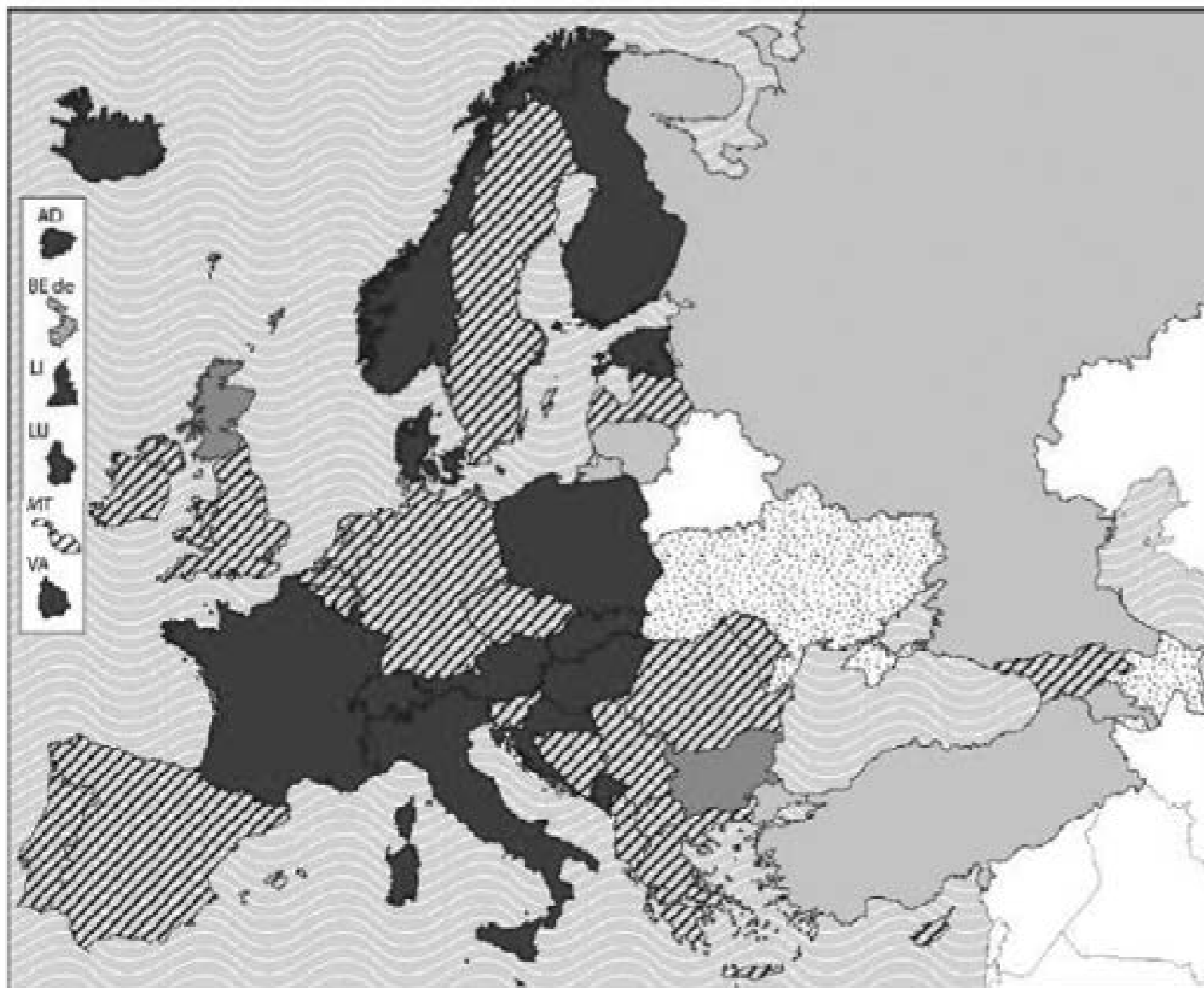
- ▶ applicants to a job position with different academic profiles,
- ▶ coming from all over the world,
- ▶ how to ensure that **they meet professional qualifications?**

THE ACADEMIC PROBLEM



- ▶ applicants to a master's programme holding different degrees,
- ▶ coming from all over the world,
- ▶ how to ensure that **they meet entrance requirements?**

THE DEGREE CONTEXT IN EUROPE



- 240 + 120 créditos
(4 + 2 cursos académicos)
- ▨ Varias combinaciones
- 240 + 60 créditos
(4 + 1 cursos académicos)
- ▤ Sin programas de Máster
- 180 + 120 créditos
(3 + 2 cursos académicos)
- No disponible

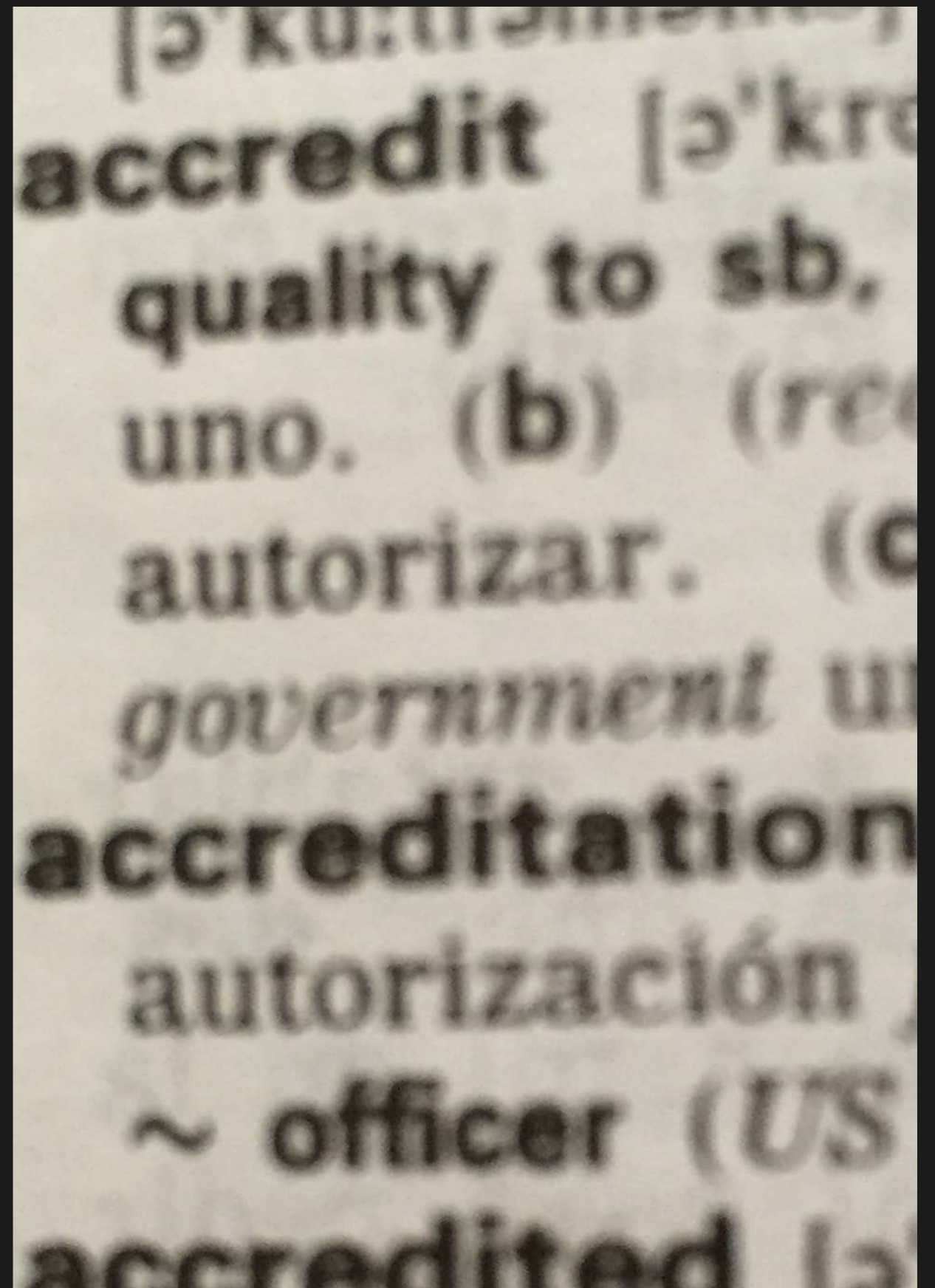
ACCREDITATION

|ƏKR&Dɪ'TEɪΣ(ə)N|

“official certification that a school or course has met standards set by external regulators”

NATIONAL ACCREDITATION

- ▶ Most countries have defined accreditation procedures through quality assurance agencies
- ▶ These procedures could vary depending on degree's type or academic/professional context
- ▶ Not every country has clearly defined standards/regulations for every degree



THE BASIC PROCEDURE

- ▶ Ensure that competences/outcomes are well defined, taught and assessed
- ▶ Ensure resources and support of the degree
- ▶ Check related information and basic parameters (enrolment, performance, satisfaction...)
- ▶ Check facilities and premises

STANDARD FRAMEWORK BASED PROCEDURE

- ▶ Basic procedure check, plus...
- ▶ Ensure that syllabus meet with standard academic/professional framework by checking...
 - ▶ Global aim and philosophy
 - ▶ List of competences/outcomes
 - ▶ Other requirements (professional profiles, research fields...)

QUALITY LABELS

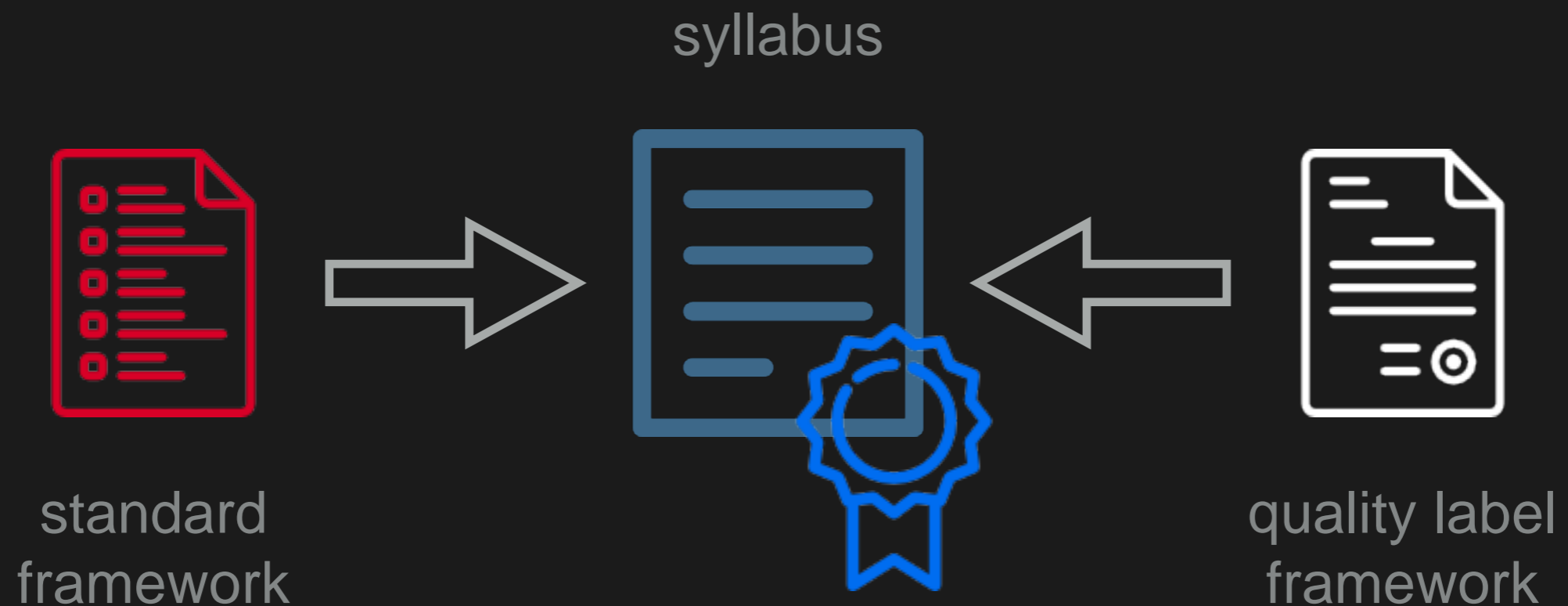
- ▶ Provide transparency and openness to HEIs and their degrees
- ▶ Provide a reference framework based on student outcomes
- ▶ Certify degrees through a set of standards linked to quality of teaching, resources and management
- ▶ Ensure that students meet requirements

WHY ACCREDITATION?



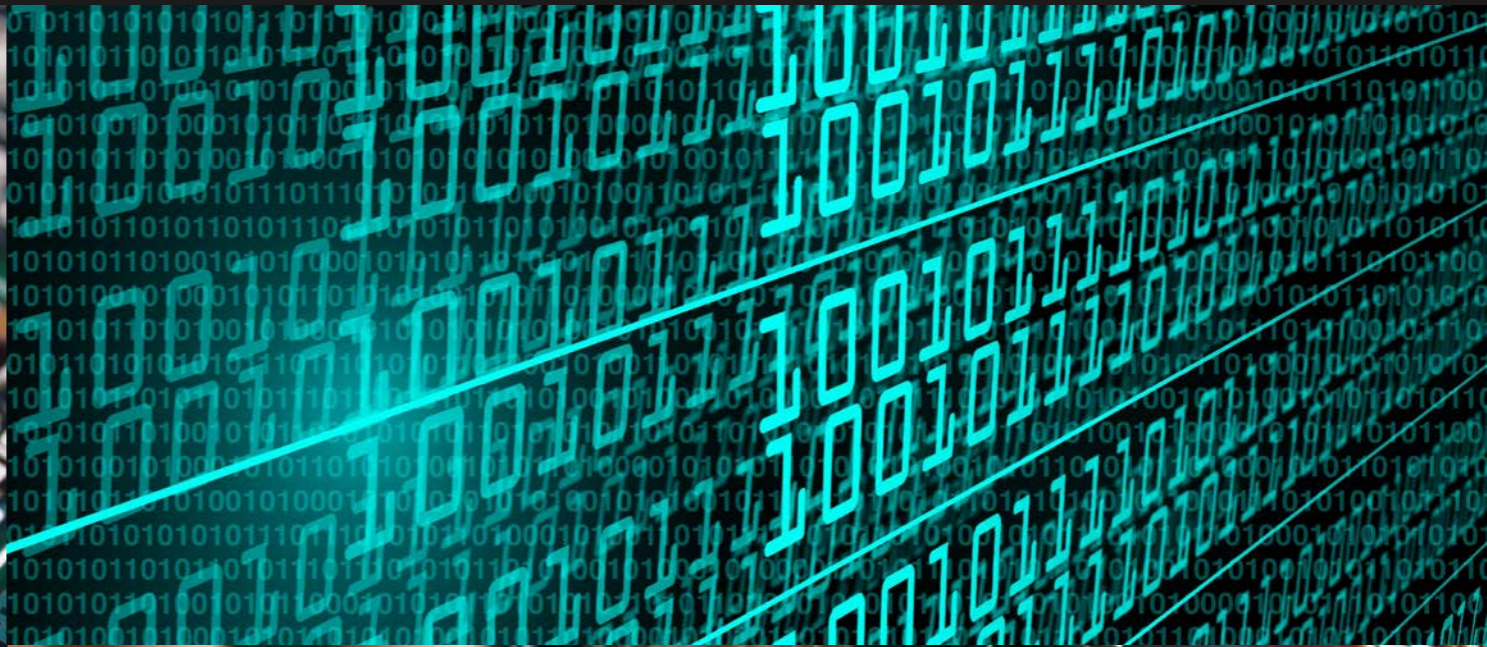
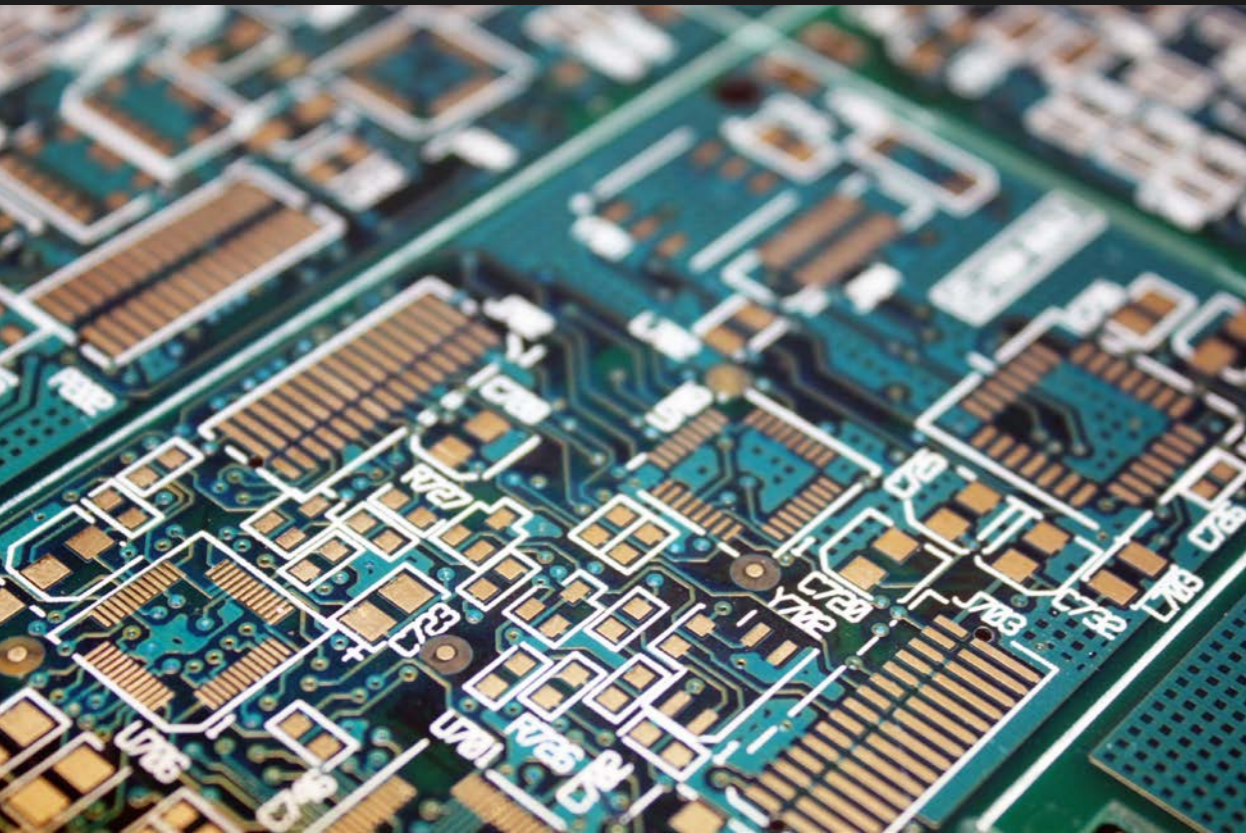
- ▶ **accreditation** ensures that degrees are organised according to basic principles
- ▶ **frameworks** provide transparent reference profiles for syllabi deployment (and future quality label award)
- ▶ **quality labels** help to certify quality of degrees and HEIs

BEST PRACTICE



WHY INFORMATICS ACCREDITATION?

THE MANY FACES OF INFORMATICS



THE MANY FACES OF INFORMATICS

- ▶ Informatics is a relatively young discipline that is in constant definition
- ▶ There are many different academic approaches to this discipline, leading to different professional profiles
- ▶ Informatics is transversal, and it is growing and appearing in many different contexts (health, entertainment, industry...)
- ▶ It comes with many different names and appellations (informatics, computing, computer science...)

THE MANY FACES OF INFORMATICS



THE MANY FACES OF INFORMATICS > NEED FOR A QUALITY LABEL



INFORMATICS 'UMBRELLA' QUALITY LABEL



INFORMATICS 'UMBRELLA' QUALITY LABEL

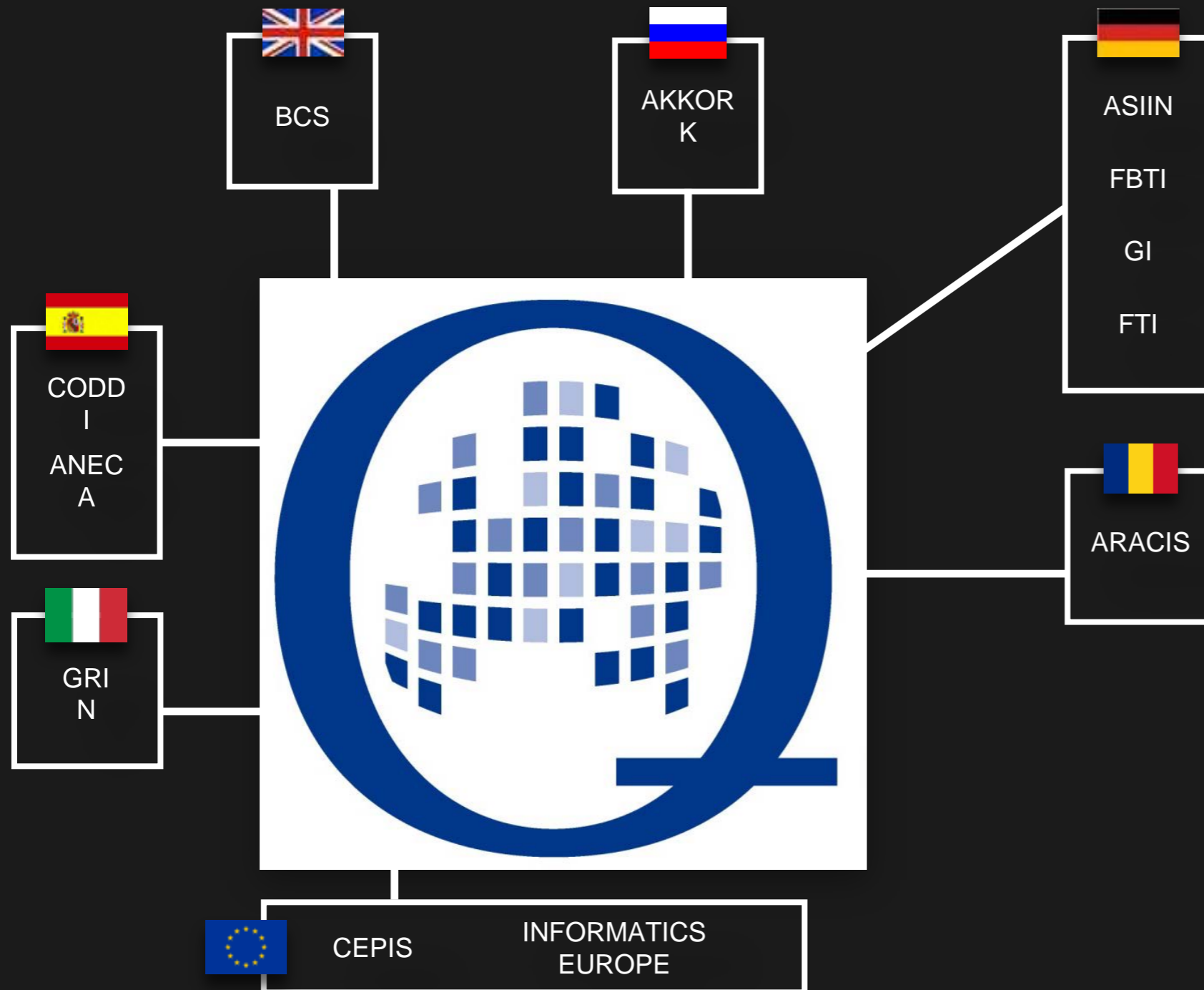
- ▶ Common framework with basic/transversal competences
- ▶ Field specific approach based on student's outcomes
- ▶ Considering professional practice and competences, and ethic and legal aspects
- ▶ Open to different informatics approaches

EQANIE



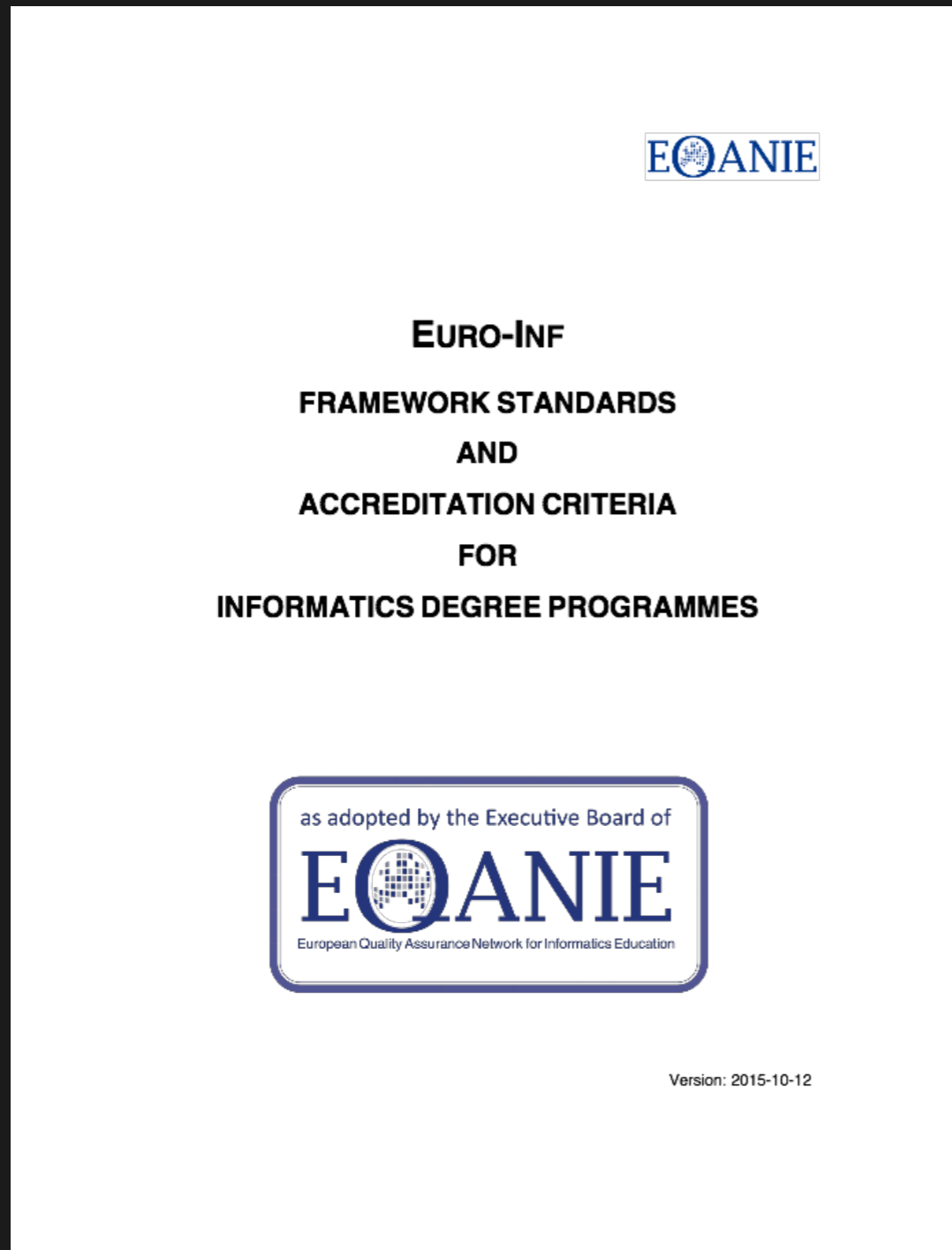
- ▶ *The European Quality Assurance Network for Informatics Education promotes the implementation of quality assessment practice for informatics education systems in Europe and beyond.*
 - ▶ *In particular, EQANIE helps to build confidence in systems of accreditation of informatics degree programmes within Europe.*
-
- ▶ Partnering with HEIs, professional and academic associations in assessing quality for informatics degrees.

EQANIE



- ▶ 12 members:
 - ▶ 10 national associations/agencies/professional bodies
 - ▶ from 6 different countries
 - ▶ and 2 pan-European organisations
- ▶ Present in more than 30 countries

THE EURO-INF FRAMEWORK

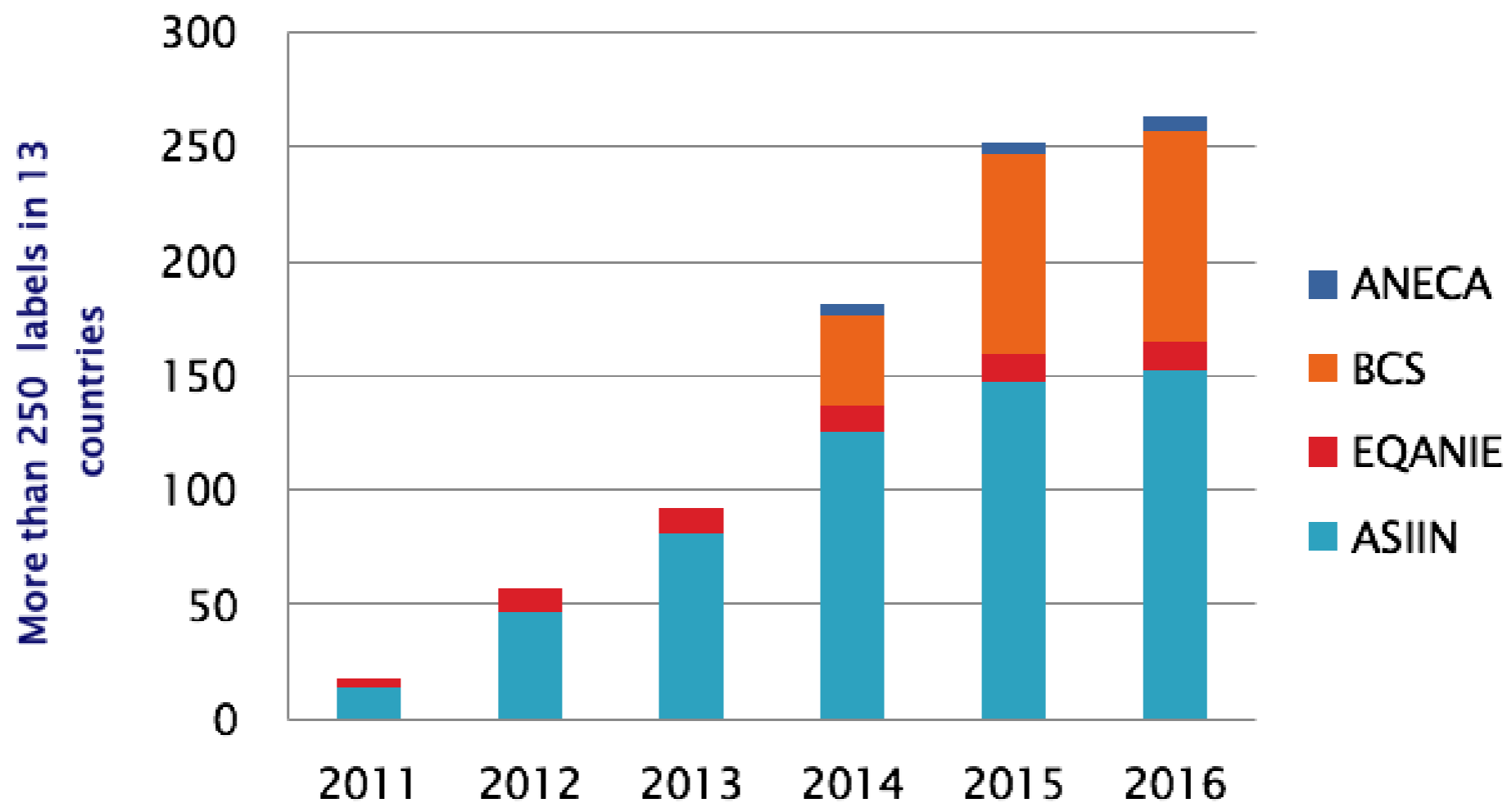


- ▶ FIELD SPECIFIC (INFORMATICS)
- ▶ OUTCOMES APPROACH
- ▶ FIRST CYCLE, SECOND CYCLE

6 CATEGORIES:

- ▶ UNDERLYING CONCEPTUAL BASIS FOR INFORMATICS
- ▶ ANALYSIS
- ▶ DESIGN AND IMPLEMENTATION
- ▶ ECONOMIC, LEGAL, SOCIAL, ETHICAL AND ENVIRONMENTAL CONTEXT
- ▶ INFORMATICS PRACTICE
- ▶ OTHER PROFESSIONAL COMPETENCES

EURO-INF ACCREDITATIONS SO FAR

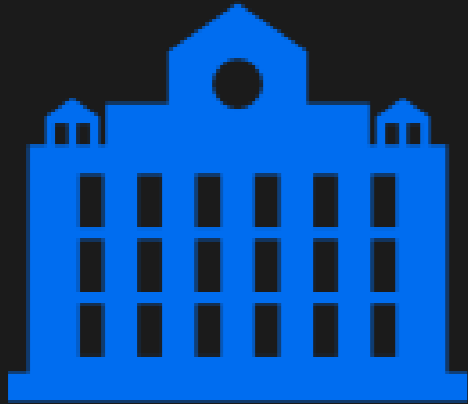


[as of 29.03.2016]

WHY CHOOSING EURO-INF?

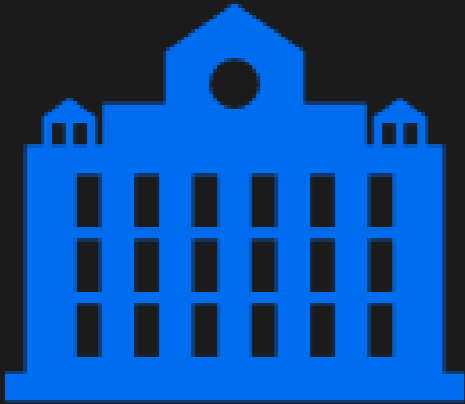
- ▶ European approach about what it is understood by Informatics
- ▶ A pushing framework, well recognised by HEIs
- ▶ A coherent 'tool' to attract students and link with professional context
- ▶ Recognised amongst main quality agencies and academic associations in Europe

EURO-INF BENEFITS > HEIs



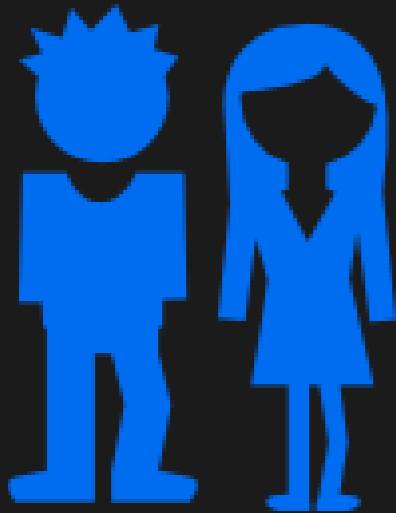
- ▶ ADDITIONAL CERTIFICATE OF QUALITY
- ▶ MEANS OF PROMOTION: PROGRAMME MEETS ACADEMIC AND PROFESSIONAL STANDARDS
- ▶ BENCHMARKED AGAINST OTHER EUROPEAN PROGRAMMES
- ▶ RELIABLE INFORMATION ON QUALITY OF FIRST CYCLE PROGRAMMES DURING ADMISSION FOR SECOND CYCLE
- ▶ INCENTIVES FOR STUDENTS TO CHOOSE PROGRAMMES

EURO-INF BENEFITS > HEIs (ACCREDITATION EXPERIENCE)



- ▶ VALUABLE EXTERNAL FEEDBACK FROM AUDITORS
- ▶ LOW EXTRA EFFORT FOR ADDITIONAL CERTIFICATE
- ▶ ADDED VALUE, ESPECIALLY FOR INTERNATIONAL STUDENTS!
- ▶ DIAGNOSIS OF EXISTING QUALITY ASSURANCE CONCEPT AND PROCEDURES
- ▶ OPPORTUNITY FOR IMPROVING THE QUALITY OF THE DEGREE
- ▶ DEFINING WITH MORE PRECISION THE MAIN OBJECTIVES OF THE PROGRAMME
- ▶ DISCOVERING LACK OF CONFORMITY BETWEEN GOALS OF THE STUDY PROGRAMME AND SEVERAL COURSES
- ▶ CONFIRMATION THAT PROGRAMME CORRESPONDS TO SIMILAR STUDY PROGRAMMES IN INFORMATICS IN EUROPE
- ▶ ACADEMIC STAFF STARTED TO SHOW MORE INTEREST ABOUT QUALITY ISSUES
- ▶ ACCREDITATION STIMULATES ESTIMATING OF STAFF WORKLOAD AT THE LEVEL OF WHOLE PROGRAMME

EURO-INF BENEFITS > STUDENTS



- ▶ ASSURANCE THAT PROGRAM MEETS HIGH INTERNATIONAL STANDARDS
- ▶ EASIER ACCESS TO OTHER EURO-INF MASTER'S
- ▶ ADDITIONAL QUALITY LABEL RECOGNISED BY EMPLOYERS EUROPE-WIDE
- ▶ REQUIREMENT FOR BECOMING CHARTERED ENGINEER
- ▶ INTERNATIONAL RECOGNITION OF DEGREE AS MEETING PROFESSIONAL STANDARDS

EURO-INF BENEFITS > EMPLOYERS



- ▶ APPLICANT'S KNOWLEDGE AND COMPETENCES MEET INTERNATIONAL STANDARDS
- ▶ RELIABLE INFORMATION ABOUT QUALITY OF DEGREE PROGRAMME WITHOUT KNOWING ITS DETAILS
- ▶ NOT ONLY ACADEMIC STANDARD CHECKED BUT ALSO RELEVANCE FOR PROFESSION
- ▶ ASSURED COMPETENCES OF GRADUATES
- ▶ COMPLEMENT TO DIPLOMA SUPPLEMENT

THE E-SKILLS INITIATIVE



- ▶ Promoting digital skills and literacy in Europe.
- ▶ Monitoring and Benchmarking Policies and Partnerships.
- ▶ Related actions:
 - **e-Competence Framework**
 - **e-Leadership**
 - **the ICT Professionalism framework**
 - e-Skills for Jobs
 - Grand Coalition for Digital Jobs

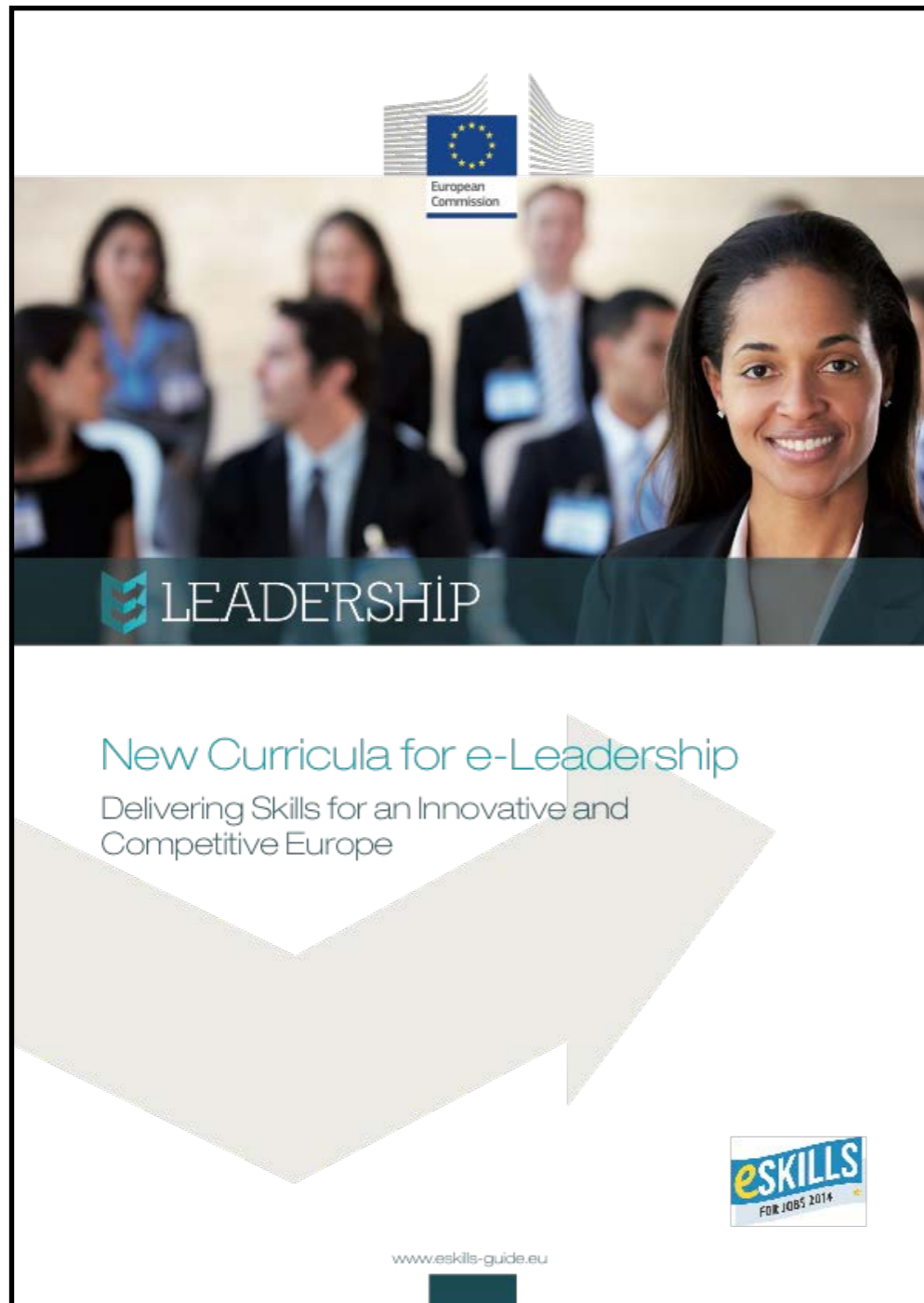
THE E-COMPETENCE FRAMEWORK

European e-Competence Framework 3.0 overview

Dimension 1 5 e-CF areas (A – E)	Dimension 2 40 e-Competences identified	Dimension 3 e-Competence proficiency levels e-1 to e-5, related to EQF levels 3–8				
		e-1	e-2	e-3	e-4	e-5
A. PLAN	A.1. IS 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. Sustainable Development					
	A.9. Innovating					
B. BUILD	B.1. Application Development					
	B.2. Component Integration					
	B.3. Testing					
	B.4. Solution Deployment					
	B.5. Documentation Production					
	B.6. Systems Engineering					
C. RUN	C.1. User Support					
	C.2. Change Support					
	C.3. Service Delivery					
	C.4. Problem Management					
D. ENABLE	D.1. Information Security Strategy Development					
	D.2. ICT Quality Strategy Development					
	D.3. Education and Training Provision					
	D.4. Purchasing					
	D.5. Sales Proposal Development					
	D.6. Channel Management					
	D.7. Sales Management					
	D.8. Contract Management					
	D.9. Personnel Development					
	D.10. Information and Knowledge Management					
	D.11. Needs Identification					
	D.12. Digital Marketing					
E. MANAGE	E.1. Forecast Development					
	E.2. Project and Portfolio Management					
	E.3. Risk Management					
	E.4. Relationship Management					
	E.5. Process Improvement					
	E.6. ICT Quality Management					
	E.7. Business Change Management					
	E.8. Information Security Management					
	E.9. IS Governance					

- ▶ European Commission initiative
- ▶ *The European e-Competence Framework (e-CF) provides a reference of 40 competences as required and applied at the ICT workplace, using a common language for competences, skills and proficiency levels that can be understood across Europe.*
- ▶ <http://www.ecompetences.eu>

THE E-LEADERSHIP INITIATIVE



- ▶ European Commission initiative
- ▶ *Leadership which both relies on information and communication technologies (ICT) and aims to accomplish goals that involve ICT. (...) where leading edge ICT is driving innovation and delivering value to their organizations.*
- ▶ It identifies different Curriculum Profiles.
- ▶ <http://eskills-lead.eu>

THE E-LEADERSHIP INITIATIVE

NEW CURRICULA FOR E-LEADERSHIP SKILLS

GUIDELINES AND QUALITY LABELS FOR NEW CURRICULA FOR E-LEADERSHIP SKILLS IN EUROPE



March 2015



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THE ICT PROFESSIONALISM FRAMEWORK

Digital Skills for Europe

Towards a European Framework for ICT Professionals

Shortages, gap and mismatches of e-Skills are negatively impacting the growth, competitiveness and drive for innovation in Europe.

With more governments recognizing the need to promote e-Skills, the European Commission and a consortium of partners set up a Framework to enhance ICT professionalism. Support the growth of digital skills in Europe by participating in the initiative.

► <http://ictprofessionalism.eu>

THE ICT PROFESSIONALISM FRAMEWORK



- ▶ **Competences:** an understanding of the capability and competency needs of individuals working in various roles is essential for organizations to effectively recruit and develop suitable employees.
- ▶ **Foundational ICT Body of knowledge:** a comprehensive and up-to-date knowledge accommodating a common ICT body of knowledge and pertinent specialist knowledge and skills.
- ▶ **Education and Training:** certifications, qualifications, non-formal learning and informal learning are mutually supportive components of a professional's career development.
- ▶ **Professional Ethics:** a defining aspect of any profession involves adhering to professional ethical conduct.

A blurred black and white photograph of a woman's face and hand. She is looking directly at the camera with a slight smile, and her right hand is pointing towards the viewer. The background is dark and out of focus.

HOW TO BE ENGAGED?

- 
1. MAP YOUR DEGREE WITH EURO-INF FRAMEWORK
 2. CONTACT EQANIE

CONTACT EQANIE



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