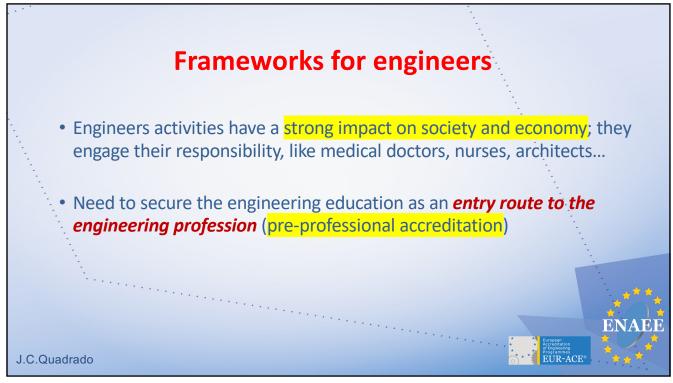


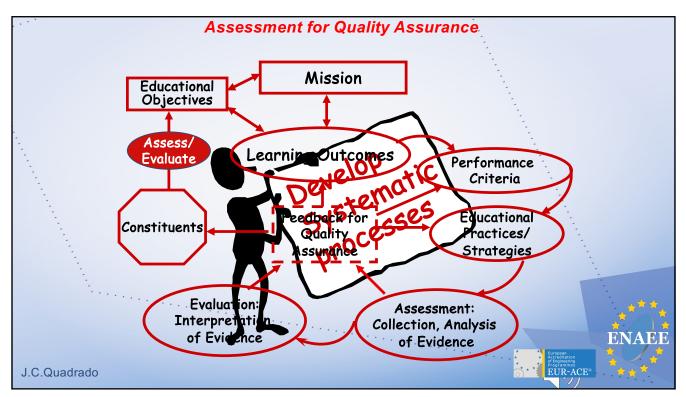
Global vision of the engineer professional trajectory Expert/authority in field **Experienced in Independent practice Competent for Independent Practice Educational Foundation Basic** Education country) **Professional Formation Professional Practice** Common Accredited training Qualification frameworks Registration J.C.Quadrado













Program Accreditation a worldwide trend

- Requirements and goals for the educational system to provide engineering graduates with the expected outcomes,
 - ✓ Quality Assurance for the programmes and for the accreditation agencies
- What an engineering graduate is supposed to know and be able to do,
 - ✓ Programme learning outcomes/graduate attributes

ENAEL Acceptable programmes progr

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9

International Experience on Program Accreditation

A two-stage quality assurance system was implemented worldwide in the training of specialists in the field of engineering - professional engineers.

The first stage - professional accreditation of engineering education programs in universities (WA, EUR-ACE and others).

The second stage - certification and registration of engineering professionals [NCEES (USA), ECUK (United Kingdom), engineers Canada (Canada), IPEJ (Japan) and others].



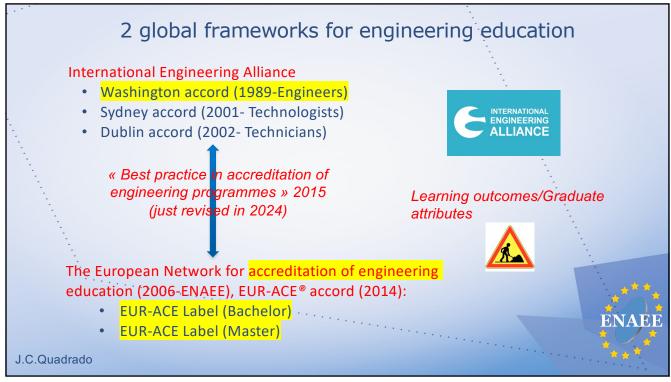
International Experience on Accreditation

The national professional organizations created international structures (Engineers Europe, Engineer APEC Registry, IPEA / EMF), forming agreed criteria for the certification of professional engineers,

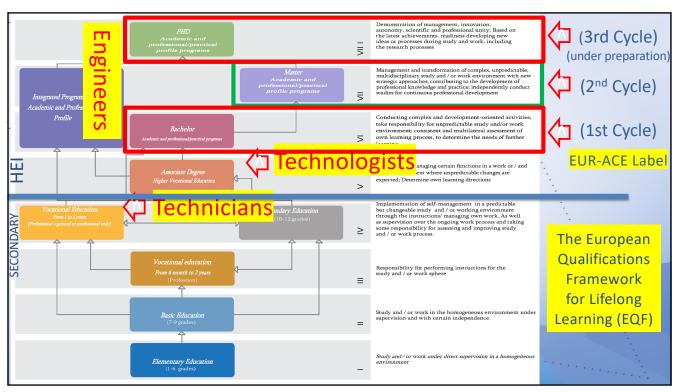
International organizations, or international consortiums (ENAEE, Washington Accord, RIACES, ARCUSUR ...) develop the criteria for quality and accreditation of educational programs in engineering of higher education institutions.

International engineering educators (ENTER Register) develop the criteria for quality and registering of the engineering educators with ILO/UN.

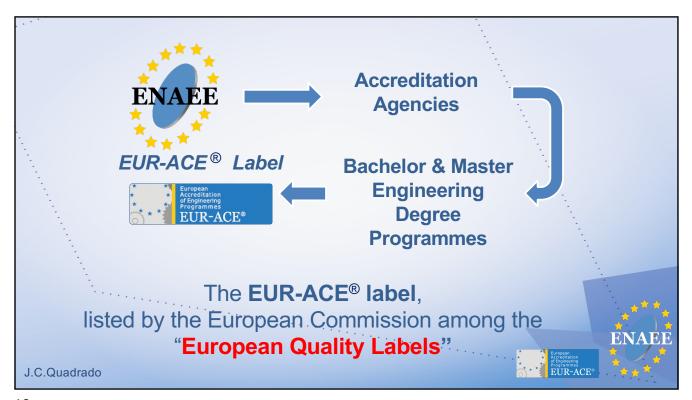
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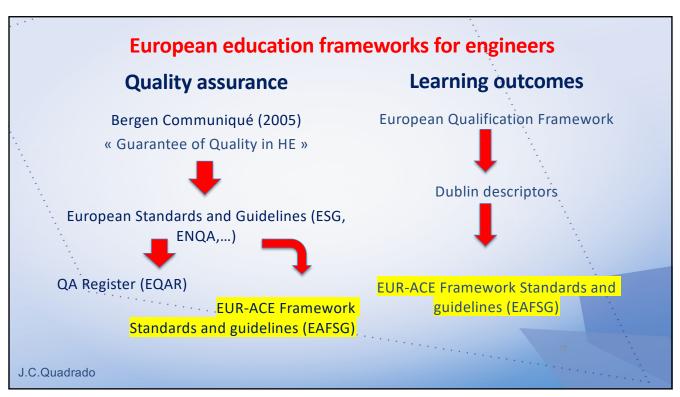


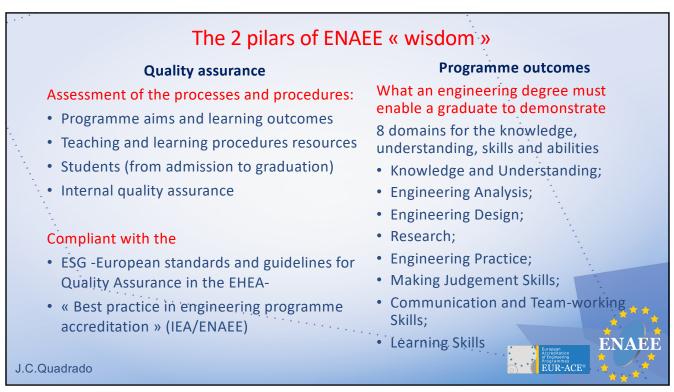


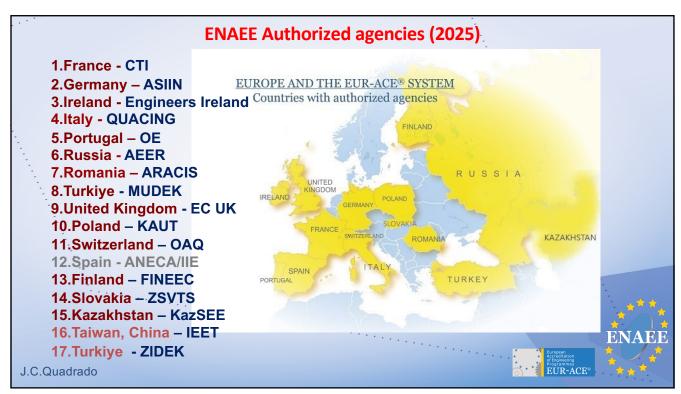


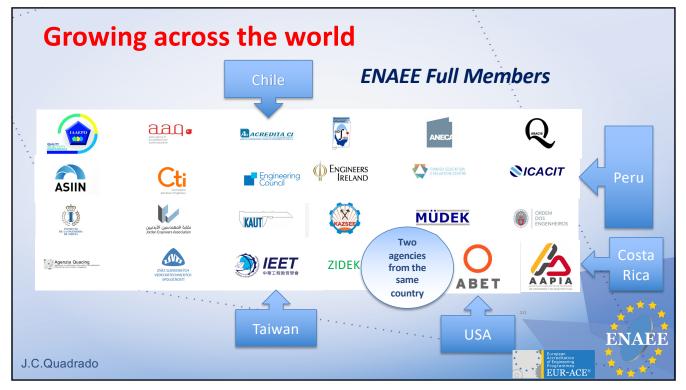


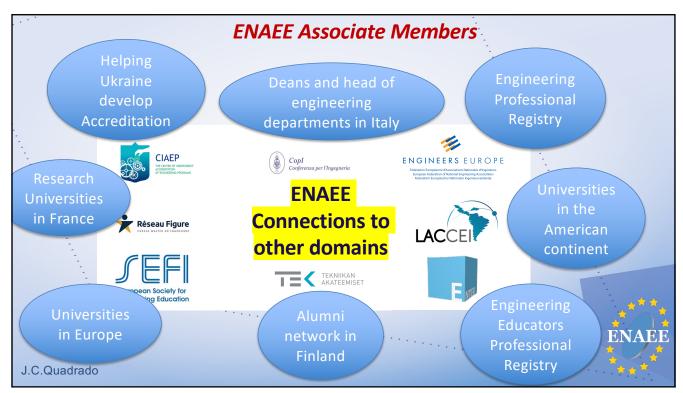




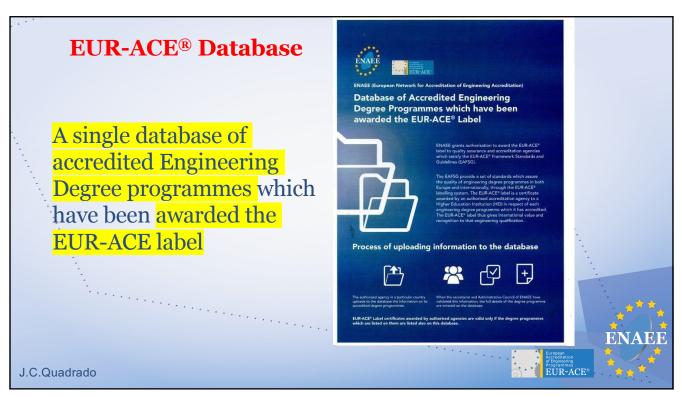




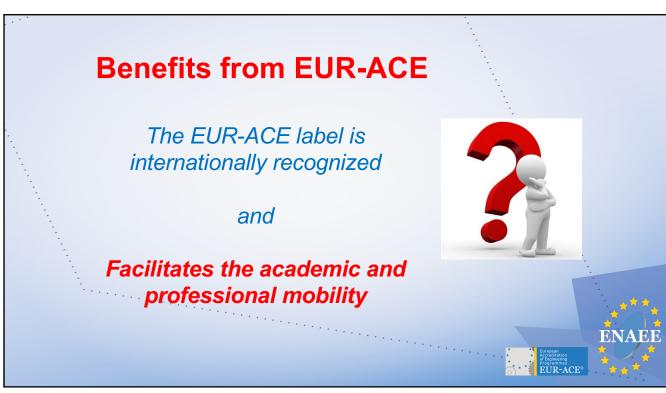




EUR-ACE Accord On 19th November 2014, the authorised agencies signed a Mutual Recognition Agreement whereby they accept each other's accreditation decisions in respect of Bachelor and Master of Engineering degree programmes which they accredit. LC.Quadrado







EUR-ACE Accreditation Benefits Lucian Server Serv



Benefits for students & engineering graduates

- Assurance that the EUR-ACE® labelled program meets high European and international standards and is recognised by employers in Europe
- Facilitates application to EUR-ACE® Master and doctoral programs in other Higher Education Institutions
- In countries where the engineering profession is regulated, EUR-ACE®labelled programs meet the educational requirements for becoming a Registered or chartered engineer.

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EUR-ACE Accreditation Benefits



Benefits for students & engineering graduates

- The EUR-ACE® label facilitates graduate mobility as promoted by the EU Directive on Recognition of Professional Qualification.
- The EUR-ACE® label is the educational standard for the professional card as promoted by Engineers Europe.
- Engineers Europe automatically includes EUR-ACE® labelled programs in its Index which lists educational requirements for the Eur Ing title.

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27

EUR-ACE Accreditation Benefits RIVERACE



Benefits for HEIs

- Is an additional verification of high-quality engineering education—it meets the quality standards set by the engineering profession
- Provides an incentive for prospective students to choose a EUR-ACE® labelled program
- Provides reliable information on the quality of First Cycle programs for admission to Second Cycle programs
- Provides reliable information on the quality of Second Cycle. programs for admission to doctoral programs ENAEI
- Provides access to exclusive networking opportunities

EUR-ACE Accreditation Benefits



Benefits for Accreditation Agencies

- Offers an additional quality label to stakeholders (Higher **Education Institutions**)
- Certification of quality of accreditation agency according to European Standards and Guidelines for Quality Assurance in Higher Education in the European Higher Education Area (ESG) and employers' requirements
- Integration into the European network of engineering professionals



29

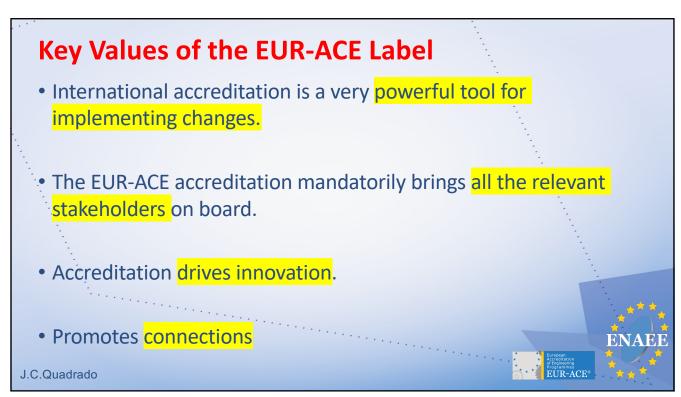
EUR-ACE Accreditation Benefits



Benefits for Accreditation Agencies

- Possibility of accrediting in other European countries and worldwide
- **Emphasizes outcome-based accreditation of engineering** programs
- Dialogue between ENAEE and other similar organisations such as the International Engineering Alliance with the objective of facilitating worldwide mobility of engineers









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Forum Networking opportunities for the EUR-ACE accredited programs • Knowledge sharing and best practices • Global and Regional Visibility • Faculty development and collaboration • Alignment with industry needs • MOUs and cooperation agreements in general J.C.Quadrado







