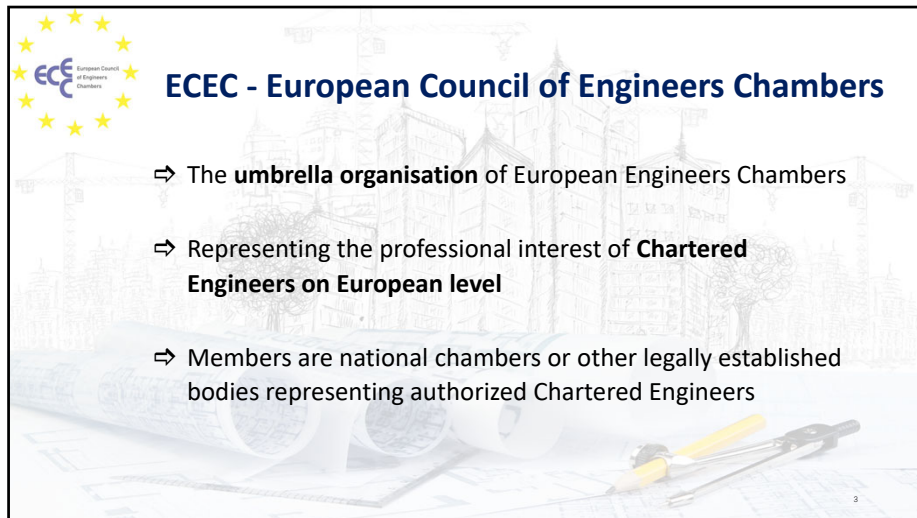




1



2



3



4

 **ECEC – MEMBERS in alphabetical order**

AUSTRIA Federal Chamber of Architects and Chartered Engineering Consultants CROATIA Croatian Chamber of Civil Engineers (HKIG) CZECH REPUBLIC Czech Chamber of certified Engineers and Technicians (ČKAIT)	 zt Bundeskammer der Ziviltechnikerinnen / -ingenieur  Hrvatska komora inženjera građevinarstva  ČKAIT	BULGARIA Chamber of Engineers in the Investment Design (KIIP) CYPRUS Technical Chamber of Cyprus (ETEK) GERMANY Federal Chamber of Engineers (BingK)	 KUUN  HTHK  BingK BUNDES INGENIEURKAMMER
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5

 **ECEC – MEMBERS in alphabetical order**

HUNGARY Hungarian Chamber of Engineers (MMK) LUXEMBOURG Order of Architects and Consulting Engineers (OAI) NORTH MACEDONIA Chamber of certified Architects and certified Engineers	 MAKANY INGENIERI KANAKARA  OAI ORDRE DES ARCHITECTES ET DES INGENIEURS-CONSEILS 	ITALY Consiglio nazionale degli Ingegneri (CNI)  MONTENEGRO Engineers Chamber of Montenegro  FIK POLAND Polish Chamber of Civil Engineers (PIIB)  PIIB POLSKA IZBA INZYNIERÓW BUDOWNICTWA
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6

 **ECEC – MEMBERS in alphabetical order**

PORTUGAL Ordem dos Engenheiros Portugal  SLOVAKIA Slovak Chamber of Civil Engineers (SKSI)  SPAIN Unión Profesional de Colegios de Ingenieros (UPCI) 	SERBIA Serbian Chamber of Engineers  SLOVENIA Slovenian Chamber of Engineers (IZS)  IZS INŽENJERSKA ZDRUGA SLOVENIJE
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7

 **ECEC – European Chartered Engineers**

- ⇒ European Chartered Engineers in ECEC countries are legally authorized academic Engineers who are obliged to professional legislation and the ethical and professional principles of the [ECEC Code of Conduct](#) and the [ECEC Code of Quality](#).
- ⇒ Knowledge, experience and know-how together with a high standard of ethical and moral demands guarantee the highest level of quality of engineering services.
- ⇒ The **protection of consumer interests, public interest and safety** is warranted by legal authorization and disciplinary regulations.

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ECEC – Main objectives

- ⇒ Securing **quality and safety** of Design and Construction
- ⇒ Stimulating **sustainability** of Design and Construction
- ⇒ Enhancing **international mobility** of European Chartered Engineers

9



Common Training Framework - CTF

- ⇒ A “common training framework” is defined as a common set of minimum knowledge, skills, and competences necessary for the pursuit of a specific profession.
- ⇒ The CTF is regulated by Article 49a of Directive 2005/36/EC on the recognition of professional qualifications.

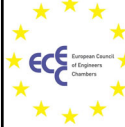
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Why (only) Civil Engineers?

- ⇒ Definition of a set of knowledge, skills, and competences as well as the fulfilment of the legal requirements for the implementation of a CTF (regulation in at least one third of the Member States etc.) is concrete and focused on **one specific profession**.
- ⇒ The ECEC Survey in 2016 clearly showed that the **profession of Civil Engineers is regulated in a broad majority of European countries** and **fulfills the requirements** for the implementation of a CTF most clearly and **that competent authorities are more interested in the implementation of a CTF for Civil Engineers**
- ⇒ **Future opportunity:** With Civil Engineers as pioneer for the Common Training Framework for – based on this model and the good experiences – it'll be easier to create an agreement for other engineering professions that fulfil the requirements for the implementation of a Common Training Framework.

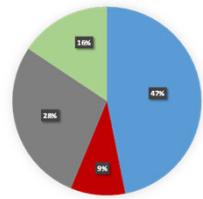
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Interest in Common Training Framework for Civil Engineers already high in 2016!

• Would you - as national competent authority (or the competent national authority in your country if you are not competent on that question) - support the development of Common Training Principles for the profession defined in this questionnaire?

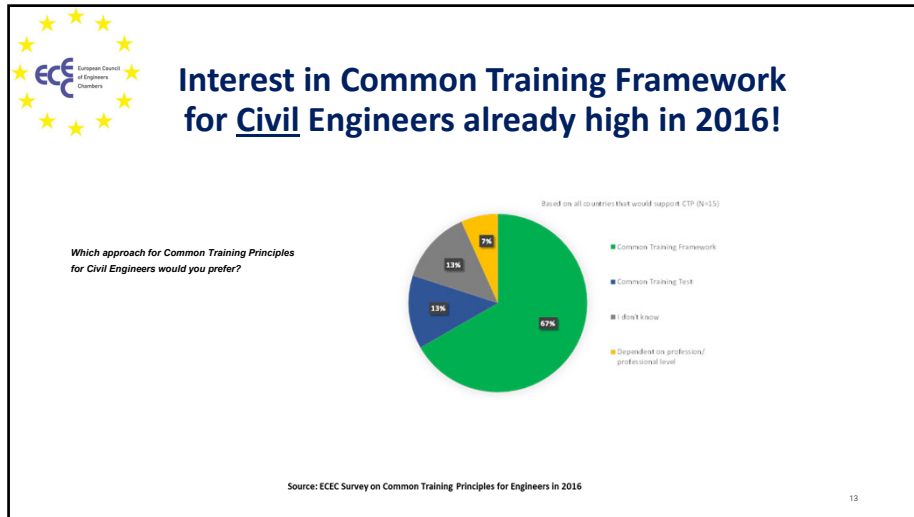
Based on all EEA countries + Switzerland (N=32)



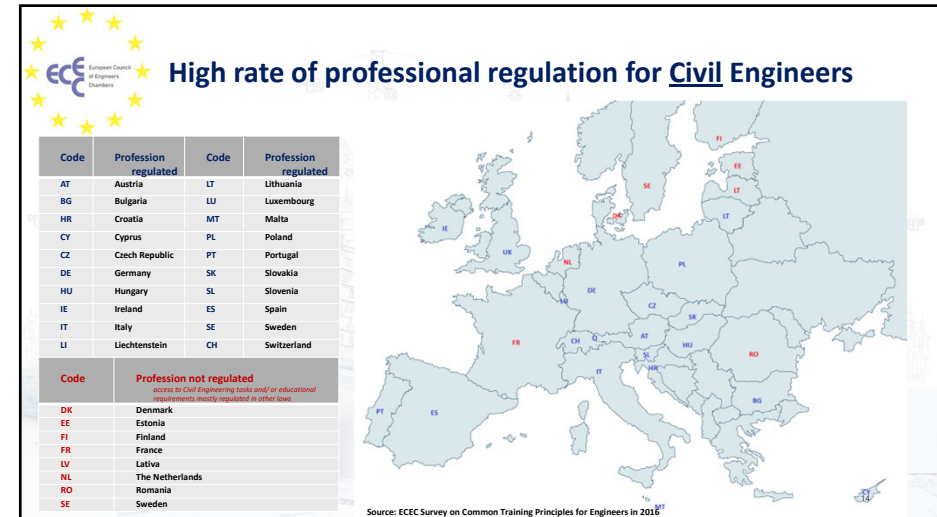
Yes (15)	No (3)	I don't know (9)	No answer (5)
Bulgaria	Finland	Austria	Belgium
Cyprus	France	Croatia	Greece
Czech Republic	Germany	Denmark	Iceland
Estonia		Latvia	Netherlands
Hungary		Luxembourg	Norway
Ireland		Malta	
Italy		Sweden	
Liechtenstein		Switzerland	
Lithuania		United Kingdom	
Poland			
Portugal			
Romania			
Slovakia			
Slovenia			
Spain			

Source: ECEC Survey on Common Training Principles for Engineers in 2016

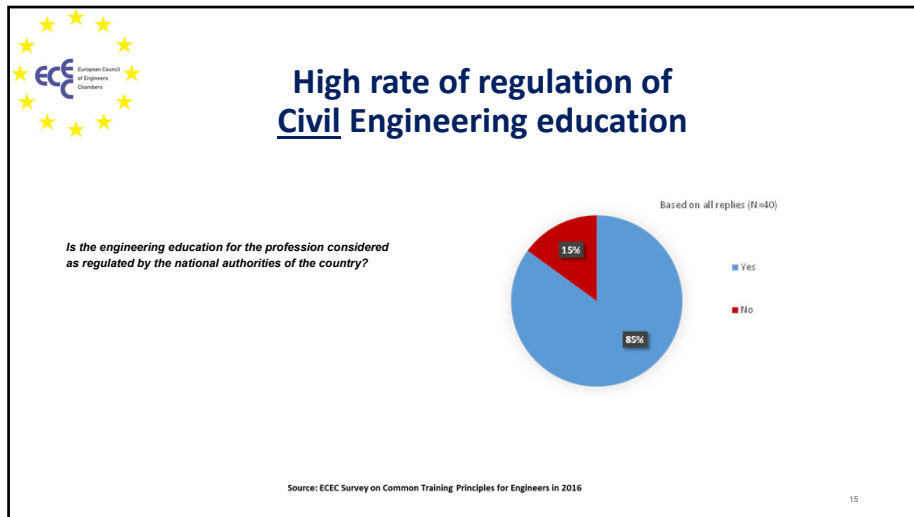
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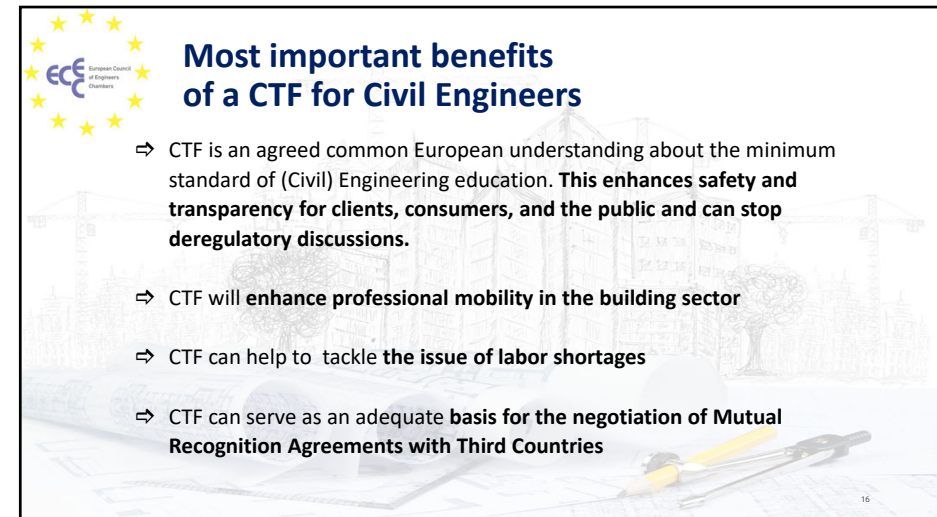
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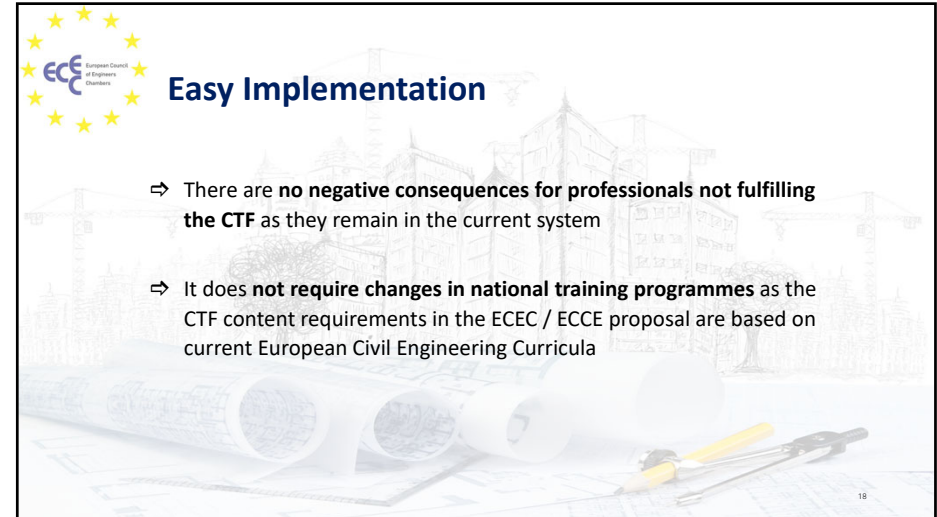
16



 **Easy Implementation**

- ⇒ It does not require amendments to of the Professional Qualifications Directive, but can be implemented through **delegated act of the European Commission listing the national professional qualifications or titles benefiting from automatic recognition** under the CTF
- ⇒ It does **not create any new regulations or changes in existing national** regulations for the profession

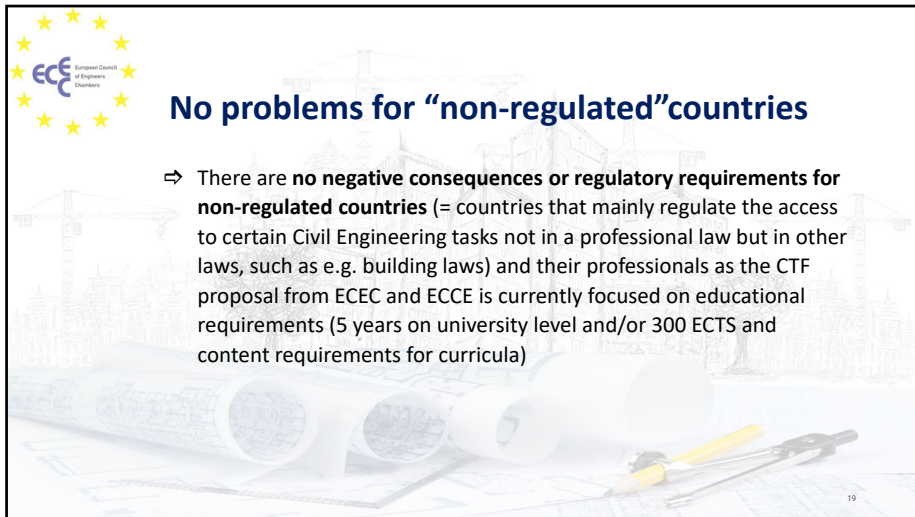
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 **Easy Implementation**

- ⇒ There are **no negative consequences for professionals not fulfilling the CTF** as they remain in the current system
- ⇒ It does **not require changes in national training programmes** as the CTF content requirements in the ECEC / ECCE proposal are based on current European Civil Engineering Curricula

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 **No problems for “non-regulated” countries**

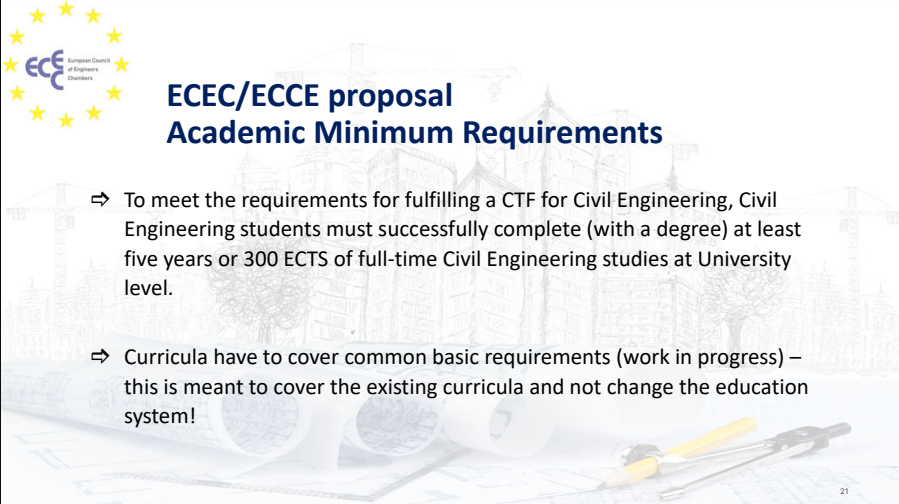
- ⇒ There are **no negative consequences or regulatory requirements for non-regulated countries** (= countries that mainly regulate the access to certain Civil Engineering tasks not in a professional law but in other laws, such as e.g. building laws) and their professionals as the CTF proposal from ECEC and ECCE is currently focused on educational requirements (5 years on university level and/or 300 ECTS and content requirements for curricula)

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 **ECEC/ECCE Proposal on
Minimum Requirements for a
Common Training Framework (CTF)
for Civil Engineers**

20



 **ECEC/ECCE proposal**
Academic Minimum Requirements

- ⇒ To meet the requirements for fulfilling a CTF for Civil Engineering, Civil Engineering students must successfully complete (with a degree) at least five years or 300 ECTS of full-time Civil Engineering studies at University level.
- ⇒ Curricula have to cover common basic requirements (work in progress) – this is meant to cover the existing curricula and not change the education system!

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 **ECEC/ECCE Proposal**
Description of content requirements
Work in Progress in coordination with European Technical Universities Representative Organisations

 European Council of Civil Engineers

- ⇒ to have the ability **to shape the urban, the rural space and the environment** with buildings and infrastructure satisfying technical requirements, the proper level of safety and friendly for use by people and societies in the modern world;
- ⇒ to have **knowledge of the history of civil engineering** since the result of their work is to create a material layer of human culture

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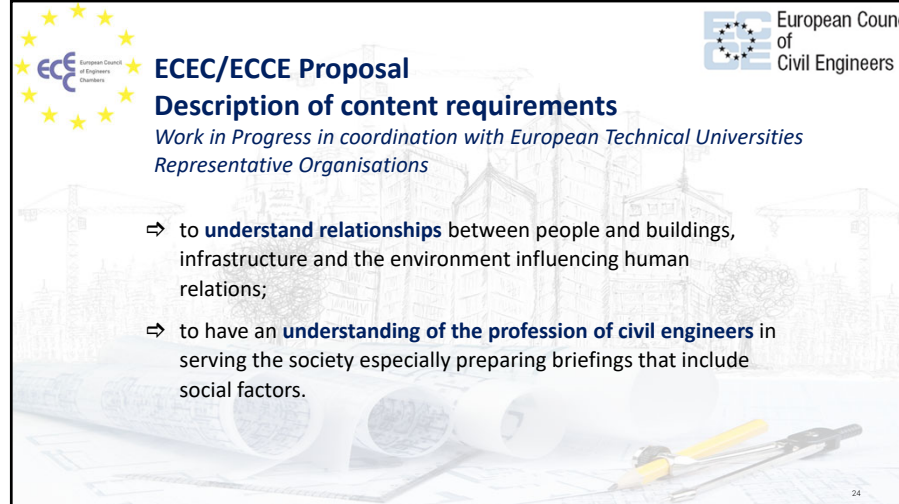
 **ECEC/ECCE Proposal**
Description of content requirements
Work in Progress in coordination with European Technical Universities Representative Organisations

 European Council of Civil Engineers

- ⇒ to have **knowledge of designing and sizing** constructions, buildings and infrastructure according to the physical and mechanical principles of its nature, properties of used materials and technologies;
- ⇒ to have **adequate knowledge how to organize and steer investment processes** gaining benefit from economic, social and business sciences

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 **ECEC/ECCE Proposal**
Description of content requirements
Work in Progress in coordination with European Technical Universities Representative Organisations

 European Council of Civil Engineers

- ⇒ to **understand relationships** between people and buildings, infrastructure and the environment influencing human relations;
- ⇒ to have an **understanding of the profession of civil engineers** in serving the society especially preparing briefings that include social factors.

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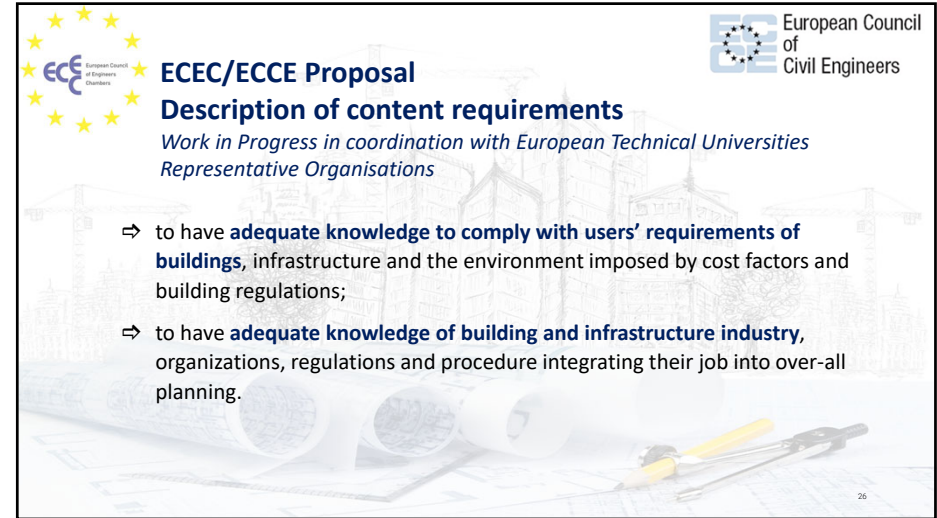
 **ECEC/ECCE Proposal**
Description of content requirements
Work in Progress in coordination with European Technical Universities Representative Organisations

 European Council of Civil Engineers

- ⇒ to have **practical knowledge of structural and geotechnical design**, constructional solutions, and implementation of modern technology,
- ⇒ to have **adequate knowledge to provide the buildings, infrastructure and the environment with human comfort** and respecting requirements of sustainable development and global climate changes;

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 **ECEC/ECCE Proposal**
Description of content requirements
Work in Progress in coordination with European Technical Universities Representative Organisations

 European Council of Civil Engineers

- ⇒ to have **adequate knowledge to comply with users' requirements of buildings**, infrastructure and the environment imposed by cost factors and building regulations;
- ⇒ to have **adequate knowledge of building and infrastructure industry**, organizations, regulations and procedure integrating their job into over-all planning.

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 **ECEC/ECCE Proposal**
Description of content requirements
Work in Progress in coordination with European Technical Universities Representative Organisations

 European Council of Civil Engineers

From 2016 to 2025...

27

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 **ECEC/ECCE Proposal**
Description of content requirements
Work in Progress in coordination with European Technical Universities Representative Organisations

 European Council of Civil Engineers

From 2016 to 2025...

- ⇒ 2016 ECEC contracted from the EC (DG GROW) to conduct a **survey on the regulatory situation of engineering professions in all EEA countries and Switzerland** and to look into the development of proposals for "Common Training Principles for Engineers".
- ⇒ **During the project phase stakeholders from professional organisations and ministries from all over Europe were taking part in a big survey and two on-site workshops**
- ⇒ The survey report about the regulatory situation was the basis for the first discussions on the possible contents of a CTF for Engineers.

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From 2026 to 2025...

- ⇒ Since 2016 the ECEC/ECCE proposal on a CTF for (Civil) Engineers was amended several times based on the negotiations within the stakeholder organisations and with the European Commission
- ⇒ Next step towards a CTF for Civil Engineers:
Bringing the ECEC/ECCE proposal forward to discuss with the competent expert group for professional recognition on member state level to decide about further steps
- ⇒ The in-depth survey report from 2016 is still a very good basis to get an overlook about the regulatory situation of Civil Engineers in Europe!!

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From 2026 to 2025...

- ⇒ Getting in contact with their national coordinators and discussing with them the necessity of the implementation of a CTF for Civil Engineers **is currently a crucial task for the national Engineering Chambers of Engineers**
- ⇒ Once the coordinators agree on **starting the process towards the implementation of a CTF for Civil Engineers**, they can build der work on existing data:
- ⇒ **The in-depth survey report from 2016 is still a very good basis to get an overlook about the regulatory situation of Civil Engineers in Europe!!**

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