Engineers4Europe Research & involvement of the ECEC

About the project

Engineers for Europe (in short **E4E**) is an Erasmus+ project that aims at establishing a regular exchange about educational requirements between engineering profession, education and industry by establishing a permanent "Skills Council", identifying new trends in European (continuous) education and developing innovative (CPD) training methods for the profession.

The partner organisations for E4E consist of educational partners for the development of the curriculum as well as teaching and evaluation**; industry and professional** partners (such as the ECEC) and regulatory bodies.

Key outputs of the E4E project include:

- The establishment of the Engineering Skills Council, a multistakeholder EU platform to improve the dialogue between representatives of education and training, the industry and employers

- The development of the E4E Curriculum, an innovative training for transversal competences and skills

- The design of a **monitoring methodology** to gauge the dynamics, challenges and opportunities of the engineering profession, culminating in the **yearly Engineering Skills Strategy**.

The project is divided into six Work Packages, the first technical steps are now being implemented through

Work Package 2

WP2 has four main tasks:
1. Establishment of Skills Council structure
2. **Common Methodology**
3. Skills Development (monitoring)
4. **E4E Skills Strategy**

Based on three pillars:
1. **Assessment of the current situation**
2. Anticipation of future needs of Engineering Professionals
3. Monitoring of progress to adjust the Skills Strategy yearly (Yearly Report)

The partner organisations now have to collect data on the current trends, challenges, and opportunities for skills development in Engineering professions as a basis for the development of the E4E Skills Strategy. This is done through implementation of the developed E4E Methodology.

E4E Research: Methodology

The project partners conduct the research through primary and secondary research and summarize their results in the so-called Partner Snapshots.

In the case of the ECEC, the Research will be conducted by the ECEC Secretariat with the support of the Member Organisations, the Partner Snapshot will be concluded by the ECEC Secretariat.

Primary Research:

The Primary Research of WP2 will reach a minimum of 200 stakeholders. This will be conducted through direct or virtual interviews, focus groups, round table discussions and gatherings at conferences/meetings etc.

The key point of the research is an online questionnaire that that will be disseminated by all E4E project partners

The survey consists of two parts:

Survey 1: personal data / generic questions on the Engineering Profession / questions on sustainability: https://www.1ka.si/a/e4d66645
Survey 2: personal data (first six questions are identical to survey 1) / Engineering Education / Stakeholder Policies / Entrepreneurship: https://www.1ka.si/a/ed8243ab

The ECEC member organisations are asked to disseminate the survey links to their members as soon as possible.

The survey is open until 15 July 2023

A high number of participants will help bring a more general overview on the situation in Europe and make it possible to assess challenges and needs for European Engineers.

In addition to the survey, **some in depth interviews will be conducted by the ECEC secretariat – ECEC member organisations will be approached directly for that (interviews could be held in the framework of the ECEC General Assembly).**

Secondary Research:

The secondary research will provide the E4E project with a number of resources such as literature, policy papers, analysis and diagnostics on trends, dynamics, challenges and opportunities for Engineers in Europe. All partners are asked to explore research on the current state of the engineering profession in the workforce, including employment trends, job descriptions and required skills and competences. It should also contain information on challenges and opportunities in the past years, although the piece of literature should not date back later than 2019.

Examples of literature sources include but are not limited to:

- Position Papers
- Policy Briefs
- Memorandum,
- Analyses
- Research findings
- Surveys
- Other publications

The ECEC Secretariat asks the member organisation **to participate in the Secondary Research Process** by **providing** any publications and positions papers, statistics, studies and other interesting current (not older than 2019) documents about the engineering profession in your countries that you find interesting and relevant **until 11 June 2023.**

Partner Snapshot

Out of the Primary and Secondary Research, the ECEC Secretariat will produce a Partner Snapshot for the E4E project, which is a summary of the interviews, questionnaires and literature sources and their results. The coordinating partner will then combine all the partner results for the final outcome.

**Summary Timeline
for ECEC member organisations**

- **ECEC member organisations are asked to disseminate the questionnaire among their members as soon as possible (the survey is open until July 15 2023, which is the deadline for ECEC submissions).**

- ECEC member organisations asked **to forward to the ECEC Secretariat any studies, research papers or publications** on the engineering profession in their country (or on the European level) **until 11 June 2023;**

- In addition of the survey, some in depth interviews will be conducted by the ECEC secretariat – ECEC member organisations will be approached directly for that (interviews could be held in the framework of the ECEC General Assembly). Interviews have to be conducted **by 26 June 2023**

- The ECEC Secretariat will produce the Partner Snapshot from the Research results and has to submit to the E4E project **by 15 July 2023**.