

E4E

Engineers for Europe September 1, 2022 - August 31, 2025 Project Ref. Nr.: 101054872 — E4E — ERASMUS-EDU-2021-PI-ALL-INNO

European Engineering Skills Council RULES OF PROCEDURE





Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or EACEA. Neither the European Union nor the granting authority can be held responsible for them

Co-funded by the European Union



TABLE OF CONTENTS

1. INTRODUCTION
2. DEFINITION AND OBJECTIVES
3. STRUCTURE4
3.1. Council4
3.2. Management Committee5
3.3. Advisory Group
3.4. Working Groups
4. MEMBERSHIP
5. MEETINGS
6. GOALS, OBJECTIVES AND ACTIVITIES9
7. OUTPUTS AND ROADMAP9
7.1. Short term (1 to 1½ years):
7.2. Mid-term (1½ to 3 years):
7.3. Long-term (beyond 3 years) :
8. GOVERNANCE AND DECISION MAKING
9. METHODOLOGY TO DEVELOP THE SKILLS STRATEGY
10. CONCLUSION
Annex A: E4E Consortium Partner Representatives
Annex B: Visual presentation



1. INTRODUCTION

Under the Engineers for Europe (E4E)- project the European Engineering Skills Council (the 'Council') is established to pursue a more coordinated and enhanced European voice of the engineers. It is required to ensure that the European engineering education is future oriented and proactive, whilst listening to and learning from share- and stakeholders. For the E4E-project to succeed, we will engage in substantial innovative actions, work in partnership with others to achieve common goals, reaching out to wider audiences and building a larger community : a process that necessitates general understanding.

In accordance with the Grant Agreement gov_3 ming the E4E-project and in consent with the E4E consortium partners who are listed below (see point 4) and who adhered to the Consortium Agreement, the Council is created as one of the bodies that will contribute to the realisation of the above mentioned objective.

On the basis of what the E4E consortium partners have contributed and provided as input, we have on the following pages defined what the Council will be, how it will be structured, why it will be important, what it should pursue, who should participate in it, how it will work and initially be governed and what results and outcomes can be expected. Below follows a set of rules which shall apply to the Council, to the extent that they are not in conflict with the Grant Agreement governing the E4E project and the Consortium Agreement. The E4E Skills Council will focus its discussions on the outcome of the "E4E Skills Strategy Methodology". The latter focuses on primary and secondary research methods and relevant information gathering which are defined in a separate document. It will be amended from time to time by the Council and need to be read in conjunction with these Rules. Definitions and terms used in these Rules have the same meaning as the same terms used in the 'E4E Skills Strategy Methodology' document.

2. DEFINITION AND OBJECTIVES

- a) The Council will be an instrument enabling the engineering community to have a larger impact on European policy making in the area of education and employability. It should be a think-tank, driven by people and data, writing advices and reports on the basis of research results which are complementary to publications of the existing bodies in Europe. The Council should gain credibility and value, also to individual engineers.
- b) It is meant to become a centre of expertise on engineering education and training and to get a realistic picture of the professional situation in various circumstances.
- c) It will determine and focus on working priorities (digital, green, entrepreneurship, societal) and possibly on other subject matters such as (amongst others) how to bring youngsters to the profession, professional ethics, employability, remuneration, future trends in the profession, etc.
- d) It aims to set up flexible Working Groups with clear objectives and appropriate membership, i.e. experts that gather and interpret data and develop reports and documents, within a given timeframe.
- e) It aims to work towards a closer understanding between the stakeholders on the basis of evidence-based management and policy research. In this way it will deepen the understanding and knowledge by collecting relevant data, exchange experiences and opinions and establish common values.



3. STRUCTURE

According to the E4E project, the major bodies are the Council, the Management Committee, the Advisory Group and the Working Groups.

3.1. Council

- a) The Council shall nominate a Chair from the E4E Project Leader (ENGINEERS EUROPE) and two Vice-Chairs from the E4E-consortium partners, during and for the time of the E4E-project. The Chair, or in his absence a Vice-Chair, shall preside at all meetings of the Council.
- b) The Chair shall declare the opening and closing of each session. He/she shall direct the discussions and ensure observance of these Rules of Procedure, accord the right to speak, put questions and announce decisions. He/she shall rule on points of order and shall exercise control over the proceedings.
- c) Any member of the Council may request the Management Committee to include specific items in the agenda by notification of this request at least one week before the agenda is circulated. The later inclusion of specific items on the agenda with respect to matters of an urgent nature is possible at the discretion of the Management Committee and will be dispatched to the members of the Council if time permits, before the opening of the session.
- d) The Council will determine the set-up of Working Groups (WGs) and produces the Skills Strategy.
- e) The Council will suggest the scope, membership and timeframe for each WG and invite the appropriate community of practice to join the WG.
- f) The outcome of the WGs work will be monitored, debated and considered by the Council and recommendations will be submitted to the Advisory Group.
- g) Every member of the Council shall have one vote exercisable in person, by proxy, or (if so resolved by the Management Committee) by electronic communication. A proxy can be executed by another member of the Council properly authorised on behalf of the E4E appointing partner.
- h) The Council shall make every effort to reach agreement on all matters by consensus, but, if that is not possible, the decision shall, as the last resort, be taken by a simple majority of the members present and voting. For the purpose of these Rules, "members present and voting" means members of the Council casting an affirmative or negative vote. Members who abstain from voting or cast a defective ballot are considered as not voting.
- i) The Management Committee shall take the minutes and they shall be signed by the person who takes the Chair. These minutes shall be circulated to all members of the Council for their information and be kept by the Management Committee in a special (physically and/or electronically) register. At each session, the Council shall approve minutes embodying its decisions, recommendations and conclusions, including, when requested, a statement of minority views.



j) The Council will streamline and join efforts and resources more efficiently: WG and network meetings will imply links with other Organizations, harmonized lobbying efforts, intensified partnerships, etc. all those could come together at the Council.

3.2. Management Committee

- a) The Management Committee consists of the Council Chair and the Secretariat. It convenes the Council, the Advisory Group and the WG meetings, drafts the agenda for these bodies in cooperation with the respective Chair person, issues the minutes and follows-up on the implementation of the work to be done and the follow-up of agreed actions.
- b) It ensures the link and liaison between the various bodies and reports to the Council Chair at regular intervals (e.g. monthly) and is the representative body of the Council.

3.3. Advisory Group

The Advisory Group will consist of representatives from companies, professional organizations, engineering students, young professionals, policy makers and other stakeholders, while their autonomy will be fully safeguarded and respected. The Advisory Group will receive practical, transferable output from the Council for comment and debate, leading to Press Releases and/or Green Papers.

3.4. Working Groups

- a) According to the agreed E4E-subject matters and topics (Digital, Green, Entrepreneurship, Life Competences), Working Groups (WGs) with mingled participation and membership can be set-up by the Council.
- b) Each WG must appoint a Chair, who will at the same time be the Rapporteur to the Council.
- c) The WG-Chair sets the agenda, defines the main questions and issues to be addressed, steers the work, facilitates the interaction amongst members and ensures the deliverables.
- d) WGs should ideally have no more than 8 members with proven experience in the WG topic.
- e) WGs should determine themselves the frequency of their meetings in order to provide deliverables in a timely manner and inform the Management Committee accordingly.
- f) The WGs produce position documents, action plans, recommendations, etc. for consideration, comment, amendment and endorsement to the Council.
- g) The Secretariat of each WG will be granted by FEANI/ENGINEERS EUROPE, unless otherwise preferred by the WG members.

4. MEMBERSHIP

a) Membership of the Council is initially open to all E4E Project Consortium Partners and stakeholders for the duration of the E4E-project (end of August 2025). The initial members are the so called "E4E-beneficiaries" that entered into the Consortium



Agreement with - at that time - FEANI AISBL and also signed the Accession Form attached to the Grant Agreement. Each of the below E4E-beneficiaries has nominated a representative for the Council as reproduced in Annex A of this document.



ENGINEERS EUROPE - ENGINEERS EUROPE is a federation of professional engineers that unites national engineering associations from 33 European Higher Education Area (EHEA) countries. ENGINEERS EUROPE is striving for a single voice for the engineering profession in Europe and wants to affirm and develop the professional identity of engineers.



agenharia da Universidade do Porto (FEUP) is the FEUP - Faculdade leading institution for higher education and scientific research in Portugal and one of the top 200 European universities, with +33.000 students (19% international), 2.000 academics & researchers and 1.600 administrative staff.



TU Dublin is Ireland's first Technological University by statute required to create programmes that involve business, enterprises and professions. The University also promotes diversity and equality access to underrepresented groups, including gender equality.



KU Leuven - the Katholieke Universiteit Leuven represents excellence in international research and education. It is Belgium's largest university (+60.000 students) and one of the oldest in Europe (founded in 1425). KU Leuven ranks among the 50 best universities worldwide and is Europe's most innovative university.



AECEF - Association of European Civil Engineering Faculties, established in 1992, encourages cooperation among HEIs by organising 10 symposia dedicated to relevant topics such as university-industry interaction, use of ICT, the engineer of the future and sustainability.



ΣΕΒ 🎲 ΙΒΕΠΕ



vocational training programmes, advanced professional training and continuing education. IVEPE - Institute of Industrial and Business Education & Training is a no-profit

Newport Group is one of Slovakia's largest private and independent businessoriented education providers. NG triggers higher education programmes,

educational association, founded in 1980 by a group of Greek industries to establish a creditable VET body to provide quality training and supporting lifelong learning of employees, unemployed, self-employed and people of vulnerable social groups.

ANECA - National Agency for Quality Assurance and Accreditation of Spain is a public and independent body that strives to promote and improve the quality in higher education through the evaluation and accreditation of degree programmes, academic and staff institutions.

VDI - Verein Deutscher Ingenieure is the Association of German Engineers with a strong territorial presence at local level with state and district associations. VDI's mission is the same since 1856, to bundle "all the intellectual strengths of technology to work together".





 \underline{EI} – Engineers Ireland represents all engineering disciplines in Ireland; it is the Competent Authority under EU Directive 2005/36 on Professional Qualifications. Engineers Ireland is active internationally in developing education and competence standards for the engineering profession.

ORDEM DOS ENGENHEIROS \underline{OE} – Ordem dos Engenheiros is a public professional association representing engineering and established in 1936, with a legacy of 70 years. OE's mission is to control the access to the professional activity of engineers and its exercise, to contribute to the safeguard, promotion and progress of engineering and defend ethics, deontology and professional qualifications of engineers.



<u>REHVA</u> – Federation of European Heating Ventilation and Air Conditioning associations, founded in 1963, is as an umbrella organisation connecting EU associations in building engineering services. REHVA represents +120.000 HVAC engineers and technicians from 26 European Countries.



 $\underline{\text{ECEC}}$ – European Council of Engineers Chambers is the umbrella organisation of European Engineers Chambers, representing the professional interest of Chartered Engineers at EU level. ECEC currently represents 16 Chambers (and 4 associate partners) and over 300.000 highly qualified European chartered engineers.

- b) After the end of the project (from September 2025 onwards) new members can be invited to join the Council by the Management Committee or written applications for membership can be addressed to the Chair of the Council or to the Management Committee, describing the applicant's motivation and involvement in the field of European engineering. The Council may consider the applications and shall in its discretion decide whether to admit any applicant to membership in accordance with the decision making rules as described below under point 8.
- c) The Management Committee shall notify each applicant in writing of whether such applicant has been admitted to the Council. Membership starts at the moment when the applicant receives written confirmation of admission.
- d) As to observers and invitees : at each session, representatives of the Advisory Group, representatives of the Working Groups, observers, experts or all other third parties and non-members can be invited by the Management Committee or a member to join the Council, motivating how their presence can contribute to the meeting. The Council decides whether they can be admitted in accordance with the decision making rules as described under point 8.
- e) The Council will have a diverse, but pro bono membership composition in order to collect a lot of information from different countries, experts and stakeholders after the E4E-project has finished. Identified stakeholder groups are active professional engineers, academics, captains of industry, engineering students and young professionals, representatives of professional organizations, European policy makers and public affairs representatives.

For example, the following future wider representation could be envisaged:

- State authorized (chartered) consulting engineers and active employed (chartered and non-



chartered) engineers (ECEC¹, EFCA², etc.)

- European Policy Makers and networks which could be of relevance to the Engineering Profession such as representatives of the EU Parliamentary Committees of IMCO³, ITRE⁴, CULT⁵, etc. but also UIIN⁶, EUROCHAMBRES⁷, etc.
- Academic- and Professional Organizations (ENAEE⁸, SEFI⁹, BEST¹⁰, EYE¹¹, CESAER¹², EUA¹³, etc.)
- Industry Associations of relevance to the Engineering Profession, but also CEOs and HR Managers from European companies (BUSINESSEUROPE¹⁴, CEEMET¹⁵, ORGALIME¹⁶, ERT¹⁷, SME United¹⁸, EAPM¹⁹, etc.)
- f) In the course of the E4E-project and afterwards, stakeholders who wish to be voluntarily involved will be identified. Many of the above mentioned Organizations have established WGs of their own of which possibly the Chair could be triggered. The "Engineers Europe Advisory Group" in previous years demonstrated that there is an interest from other stakeholders for this type of involvement.

5. MEETINGS

a) The sessions of the Council shall be convened by the Management Committee after consultation with the Chair.

- ³ /www.europarl.europa.eu/committees/en/imco/home/highlights
- ⁴ <u>/www.europarl.europa.eu/committees/en/itre/home/highlights</u>
- ⁵ /www.europarl.europa.eu/committees/en/cult/home/highlights
- ⁶ <u>/www.uiin.org/</u>
- ⁷ <u>/www.eurochambres.eu/</u>
- ⁸ <u>/www.enaee.eu/</u>
- ⁹ <u>/www.sefi.be/</u>
- ¹⁰ <u>/best.eu.org/</u>
- ¹¹ <u>/eyengineers.eu/</u>
- ¹² /www.cesaer.org/
- ¹³ <u>/eua.eu/</u>
- ¹⁴ <u>/www.businesseurope.eu/</u>
- ¹⁵ <u>/www.ceemet.org/</u>
- ¹⁶ /orgalim.eu/
- ¹⁷ <u>/ert.eu/</u>
- ¹⁸ <u>/www.smeunited.eu/</u>
- ¹⁹ /www.eapm.org/

¹ <u>/www.ecec.net/</u>

² <u>/www.efca.europa.eu/en</u>



- b) The language of the Council used in its internal operation and external communication is English. Any member or representative using a language other than English in its communications shall provide for translations to the other members and the Council.
- c) Notice of date and place of each session shall be communicated to all the member representatives at least one month before the session is to take place. Two meetings p.a. are scheduled; one in Spring and one in Autumn. Such notice may be sent by post or e-mail and shall be sent to each member representative at the address or e-mail address as set out by the member when first joining the Council or to such other address or e-mail address as may from time to time be notified for that purpose to the Management Committee by the member concerned.
- d) At least 15 days in advance, each member representative shall confirm his/her participation at the Council meeting to the Management Committee. If invited by the Management Committee or upon request of any member, the member representative may be accompanied by one expert or adviser. An expert or adviser shall not have the right to vote. Each member can cast only one vote.

6. GOALS, OBJECTIVES AND ACTIVITIES

- a) The goal is to become a centre of expertise on engineering education and training and to get a realistic picture of the professional situation of the engineering profession in various professional constellations, disciplines and countries.
- b) To determine and focus on priority areas (digital, green, entrepreneurship, societal) and possibly other subject matters such as e.g. on bringing youngsters to the profession, on ethics, on employability, on remuneration, on future trends, etc.).
- c) To set up flexible Working Groups with clear objectives and appropriate membership, i.e. experts that gather and interpret data and develop reports and documents, within a given timeframe and to work towards a closer understanding between the stakeholders on the basis of evidence-based management and policy research.
- d) To deepen understanding and knowledge by exchanging experiences and opinions and establishing common policy papers.

7. OUTPUTS AND ROADMAP

7.1. Short term (1 to $1\frac{1}{2}$ years):

- a) To develop a methodology to assess major trends affecting the engineering profession.
- b) To ensure a better understanding about future job prospects of students and young professional engineers and gain industry-based insights into the variation of different professional roles an engineer can take on.
- c) To engage in micro-credential and up-skilling curriculum development, CPD, LLLpriorities (on the specific subject matters mentioned above : green, digital, etc.).



- d) To address societal challenges and issues and contribute to the "knowledge society".
- e) To publish a common electronic newsletter or progress report and nurture an interactive website.

7.2. Mid-term ($1\frac{1}{2}$ to 3 years):

- a) To contribute to the commercial orientation of the academic world.
- b) To widen the networks and develop support mechanisms while working cooperatively and in a coordinated manner.
- c) To position the engineering profession strategically in the landscape of the EU labour market, by mapping the evolving nature of jobs, occupations and skills needs.
- d) To develop best and good practice manuals.
- e) To develop common statements and policy documents.

7.3. Long-term (beyond 3 years) :

- a) To develop Statutes/Bylaws for the further functioning of the E4E Skills Council
- b) To monitor international and European legislation affecting the engineering profession and to be the primary contact body for EU governmental bodies.
- c) To maintain the connection with international business and technical networks.
- d) To organize common meetings, seminars, conferences and eventually site visits and to attract sponsorship and funding initiatives for the above.
- e) To promote international recognition for educational and professional standards.
- f) To enhance the image of the profession.
- g) To systematically liaise with media.
- h) To establish a common annual calendar of events and programs of WG activities.
- i) To provide input and know-how to a variety of national and European stakeholders, while obtaining input from industry and policy makers and vice versa.
- j) To materialize the ambition that "Engineers in Europe" can speak with one voice.
- k) To consider an Annual Award Ceremony for "European Engineer of the Year"

8. GOVERNANCE AND DECISION MAKING

- a) The final concept of the Skills Council shall be submitted by end April 2023 and the start-up and kick-off meeting is planned for 21-22 September 2023. Each Member (Institution/Organization) in the Council can cast only one vote.
- b) The Council shall make every effort to reach agreement on all matters by consensus but, if that is not possible the decision shall as the last resort be



taken by a simple majority of the E4E-members present and voting. For the purpose of these Rules, "members present and voting" means members of the Council casting an affirmative or negative vote. Members who abstain from voting or cast a defective ballot are considered as not voting.

- c) The Council shall hold at least two physical meetings p.a., to be held in Brussels, one in every semester with the participation of key-officers of the E4E-partners involved. More frequent digital meetings are possible (e.g. monthly or every quarter). Also special sessions can be held at the written request of at least one third of the members.
- d) At start-up, the Council will consist on the Management Committee, consisting of the Chair and the Project Leader and the 12 other E4E partner-representatives. They may be complemented by to 5 representatives from other stakeholder groups (students, parliamentarians, etc.) who may attend and contribute to Council Meetings as Observers or Associates and without voting rights during the duration of the E4E-project (August 2025).
- e) Members of the Council will contribute in the context of their responsibility as E4Epartner or E4E-representative. As Council "ambassador" they can also be Chair of a Working Group.
- f) In the nomination of E4E-representatives and the invitation to Observers and Associates, attention will also be given to geographical representativity, gender diversity and an appropriate stakeholder mix.
- g) The Management Committee will initially consist of ENGINEERS EUROPE representatives as Project Leader. It will prepare meetings, make daily operational decisions, handle conflicts if necessary, monitor the progress of work in the WGs and bring decisions into action.
- h) The Council determines the set-up, terms of reference and lifetime of the WGs.
- i) The Council will ensure practical, transferable output to the various stakeholders attending the Advisory Group Meetings.
- j) The Council as a co-operative consortium, will make recommendations to the Advisory Group, ideally on the basis of consensus or alternatively by absolute majority (51%), with each Council member having one vote (as mentioned above).
- k) Depending on the progress made within the E4E-project, the Council can after August 2025 be broadened in the longer-term and the governance further determined in Statutes and Bylaws, including revising the mission of the Council, its membership, future objectives, etc.

9. METHODOLOGY TO DEVELOP THE SKILLS STRATEGY

The E4E Skills Strategy Methodology will identify parameters and criteria that stakeholder partners employ to anticipate what engineers will need and how they will look like in the future. The development of the methodology will therefore be based on three pillars:

• <u>Assessment of the current situation</u> focusing on digital skills, green skills, entrepreneurial and resilience skills



- <u>Anticipation of future needs</u>, based on realistic scenarios and analysis of the current situation
- <u>Means of annual monitoring</u> to gauge the evolutions of supply needs to facilitate demand expectations

The information gathered will result from primary and secondary research methods which are described in the Skills Council Methodology document.

10. CONCLUSION

The European Engineering Skills Council is a platform for a new type of cooperation between all stakeholders involved with the Engineering Profession. The Council is to be the place where common answers to common challenges are found.

The Council needs to come up with new solutions in areas, such as education, where it can deliver concrete benefits and where common actions provide for clear added value. It is crucial that the Council members take a joint responsibility to define an effective way forward and develop a positive narrative together, while ensuring the respective individual value, autonomy and independence of each partner involved. Full respect of a minimum set of "rules of procedure" by all partners must be ensured, as this is an essential condition to work in partnership.

The Council must act only where real value and progress can be achieved. "Doing much more together" is the motivation of this concept, reflecting a longer-term perspective, after the duration of the E4E-project. The Council will acknowledge that it is essential to preserve the consistency and coherence in the co-operation and to be cohesive and transparent.



Annex A: E4E Consortium Partner Representatives

Mr Francisco ARCEGA Address: Zaragoza, ES Phone: - Email: <u>arcegafj@unizar.es</u> ANECA

CURRENT OCCUPATION	- Professor at the \$3000 of Industrial Engineers and Architects (EINA), Zaragoza, ES
PREVIOUS OCCUPATION	- Professor Ayudante - University of Zaragoza, Sciences Faculty, Zaragoza, 1983

EDUCATIONAL BACKGROUND - PhD in Sciences (Physics) - University of Zaragoza, 1981
--

RELEVANT EXPERIENCE	Francisco Arcega has more than 45 years of teaching different subjects of Electrical Engineering at the University of Zaragoza and is experienced in the assessment of laboratories (Calibration and Testing).
	Technical assessor and quality assessor - the Spanish Accreditation System (ENAC)
	Technical assessor (AEMCLRP) - the French Accreditation System (COFRAC)
	Technical assessor (AEMCLRP) for the Italian Accreditation System (ACCREDIA)
	Technical expert and quality expert for the European Community in the PMEII programme for Alger, accompanying a laboratory of electrical calibration to the accreditation with the EN 17025:2005, in 2012 and 2013, implementing a quality management system in the laboratory and defining the procedures for calibration in electrical engineering.
	Director of the Electrical Measurements Laboratory (LME) – at the University of Zaragoza, from 1997 until 2017.

LANGUAGES	Spanish, French, English





Mr António Carlos Guerreiro Morgado ANDRE - Civil Engineer Address: Portugal, PT Phone: + 351 289827565 Email: <u>antonio.andre@protecna.pt</u> Ordem dos Engenheiros

	CURRENT OCCUPATION	Civil Engineer, -present.	CEO	Protecna 14	Consultores	de	Engenharia,	Lda,	Faro	(Portugal),	2006
--	--------------------	------------------------------	-----	----------------	-------------	----	-------------	------	------	-------------	------

	- Structural Senior Engineer /Researcher, S.A. Matosinhos Portugal, 2004-2020
PREVIOUS OCCUPATION	- Modular Bridges Solutions - Product Development Manager 2014-2019
	- Professor Instituto Superior de Engenharia, University of Algarve, Campus da Penha, Faro, 2014-2019
	- Lecturer, Instituto Superior de Engenharia, University of Algarve, Campus da Penha, Faro , 2003-2014
	- Structural Designer, Afassociados – Engineering Consultancy, Vila Nova de Gaia , 2000-2003

E D U C A T I O N A L BACKGROUND	- PhD in Civil Engineering Faculdade de Engenharia - University of Porto (PT), 2016
	 MSc in Structural Engineering- Faculdade de Engenharia - University of Porto (PT), 2005
	- Graduate, Civil Engineering, Instituto Superior Técnico, University of Lisbon, 2000

R E L E V A N T EXPERIENCE	He is a professor at Instituto Superior de Engenharia, University of Algarve, Campus da Penha, Faro (PT).At Instituto Superior de Engenharia, University of Algarve, Campus da Penha, Faro (PT and a Structural Designer Afassociados – Engineering Consultancy, Vila Nova de Gaia (PT)
	Portuguego Epolish
LANGUAGES	Portuguese, English



Ť



	- Secretary General – ENGINEERS EUROPE (Brussels, BE) 2010-today
CURRENT OCCUPATION	- Member of the European Economic and Social Committee (EESC) Liaison
	Group, 2019-today

	 Member of the Executive Council – WFEO 2012-2021
OCCUPATION	- Vice-President, ENAEE AISBL, Brussels, 2013-2019
	- Vice-President K4I - KNOWLEDGE FOR INNOVATION, Brussels, 2012-2016
	- Managing Director, EUROPE NET NV, Brussels, 2001-2010
	- Consultant in TQM at ALLANTA, Diepenbeek, 1999-2000
	- Secretary General, EUROLINES AISBL, Brussels, 1996-1999
	- Lecturer in TQM to MBA-students at affiliates of the City University of Seattle in Frankfurt, Berlin and Zürich during weekends (1995-1999)
	- Liaison Officer, CEN/CENELEC, Frankfurt/Main and Brussels, 1992-1996
	- Assistant Secretary General, ACN AISBL, Königstein/Ts., 1988-1992
	- Research Assistant Royal Military Academy, Brussels, 1987-1988

E D U C A T I O N A L BACKGROUND	- Dr.h.c., Al-Farabi Kazakh National University, 2014
	- Strategic Management Training, Harvard University, April-May 2003
	- ISO 9000 Certification, University of Berkely, April-May 1993
	- MBA, City University of Seattle, affiliate Frankfurt, 1993-1995
	- Graduate International Marketing, Chamber of Commerce Frankfurt, 1992
	- Additional Degree to teach at highschools and colleges, Ghent, 1986
	- MA in Literature and Philosophy, Ancient Roman and Greek Archeology, University Ghent, 1981-1986

R E L E V A N T EXPERIENCE

LANGUAGES	Dutch, English, German, French, Italian.





Mrs. Maria da Graça Martins da Silva CARVALHO Address: Phone: + 351 969 845 298 Email: <u>maria.carvalho@europarl.europa.eu</u> MEP

CURRENT OCCUPATION	- Member of the Loropean Parliament Group of the European People's Party (EVP)
	- Chair of the Board of Directors of Instituto Francisco de Sá Carneiro and vice- chair of the Committee on Fisheries.
PREVIOUS OCCUPATION	- Professor in the Mechanical Engineering Department (area of Energy and

Climate Change), Technical University of Lisbon Instituto Superior Técnico, 1992 – 2003
- Vice-Chair of Ordem dos Engenheiros, 1998 – 2004
- Minister of Science and Higher Education, 2003-2004 and 2004-2005
- Member of the European Parliament, 2009 - 2014

EDUCATIONAL BACKGROUND	- PhD in Energy, The Imperial College of London
	- Graduate Mechanical Engineering, Instituto Superior Técnico (pré-Bolonha)

RELEVANT EXPERIENCE	Member of the Committee on Industry, Research and Energy, Committee on Women's Rights and Gender Equality, Delegation for relations with the United States, Ordem dos Engenheiros – Conselheiro Member nº 30904
	Subsitute in the Committee on Internal Market and Consumer Protection,
	Delegation for relations with the countries of Central America, Tajikistan
	Parliamentary Cooperation Committees and for relations with Turkmenistan and Mongolia
	Delegation to the Euro-Latin American Parliamentary Assembly

LANGUAGES	Portuguese, English



	Prof. Raul Moreira VIDAL Address : DEI, Faculty of Engineering University of Porto (FEUP) R. Dr. Roberto Frias PT-4200-465 Porto Phone : +351 22 508 2134 Email : rmvidal@fe.up.pt FEUP
--	---

CURRENT OCCUPATION	- Currently retired, be has carried out for 35 years his teaching activity at the Faculty of Ergineering of the University of Porto (FEUP). He is also Counsellor of the Order of Engineers, Senior Member of IEEE and Member of the Software Engineering Institute (SEI) of Carnegie-Mellon University.
PREVIOUS OCCUPATION	 At the time of his retirement he was the Head of the Department of Informatics Engineering of FEUP, elected member of the General Council of the University of Porto and Coordinator of Belations with FEUP Alumni a position he still holds.

EDUCATIONAL BACKGROUND	 Graduated in Electrical Engineering (FEUP, 1972) Masters in Communication Engineering, (UManchester, IST, 1974)
	- PhD, Digital Processes (UManchester, IST, 1974)

RELEVANT EXPERIENCE	His professional interest started in the area of digital systems and computers, moving later towards the area of software quality, software process improvement, human factors in software engineering, entrepreneurship and innovation, being his R&D activities in these same areas, developed at FEUP and INESC TEC. He coordinated the creation of the Master in Electrical and Computer Engineering, which he directed from 2001 to 2008. He was also at the genesis of the genesis of the Master in Computing Engineering in Computer Engineering and the directed from 2001 to 2008. He was also at the genesis of
	the creation of the Master in Software Engineering, his main area of research.

LANGUAGES	Portuguese, English





Mr. Mihai FILIMON Address: TU Delft, NL Phone: +31 6 228 700 38 Email: mihai.filimon@best-eu.org BEST

	CURRENT OCCUPATION	 President – BEST 18 Software Engracer – Sensar Student – TU Delft 	
--	--------------------	---	--

PREVIOUS OCCUPATION	 Ambassador – BEST (2022-2023) Vice-President of Corporate Relations – BEST Delft (2021-2022) Software Engineering Intern – Delft AI Bias Detectives (2021)
---------------------	--

EDUCATIONAL BACKGROUND	- Pre-Master Mechanical Engineering – TU Delft (2023-present)
	- BSc Computer Science & Engineering – TU Delft (2019-2023)

RELEVANT EXPERIENCE	Developed the Strategic Plan for 2021-2024 of BEST Delft. Responsible for the cooperation with AEGEE and the Canadian Federation of Engineering Students.
	Participated in the General Assembly of IFEES and attended the World Engineering Education Forum 2022 Cape Town.
	Established corporate partnerships in Delft with JetBrains, DPR Construction, IDEA Statica, ING, Deloitte, Worley, Covestro and TNO.

LANGUAGES	English, French, German, Dutch, Romanian





	- Technical Capability Manager - ESB Group, Dublin, IE.
CURRENT OCCUPATION	Mrs. Majella Henchion has over 30 years of experience in ESB in operational, project and
	critical thinking and negotiating skills. Well-developed capability in balancing technical, commercial and people management requirements with risk management and innovation, while delivering quality and compliance

PREVIOUS OCCUPATION	- Strategic Craft Capability Project Manager, ESB Networks, 2021
	- Networks Programme Owner, ESB Networks, 2018-2020
	- Business Process, Data and Cost Manager, ESB Networks, 2017-2018

E D U C A T I O N A L BACKGROUND	- Diploma in Human Resource Practice, Chartered Inst. of Personnel Development, 2019
	- Diploma in Coaching, 2006
	- Certificate in Safety and Health at Work, UCD, 2004
	- HR for Line Managers; Certificate in Personnel Practice, Chartered Inst. of Personnel Development, 2003
	- Certificate in Marketing Management, Irish Management Institute, 2002
	- M.Sc. in Maintenance Management, Manchester University, 1992-1994
	- Bachelor of Mechanical Engineering (B.E.), UCD, 1986 - 1990

	Technical Capability Manager - ESB Group, Dublin, IE.
RELEVANT EXPERIENCE	Within Engineers Ireland:
	- Chair of the Diversity Committee, 2019 to date.
	- Chair of Benevolent Fund Committee, 2017 to date.
	- Regular Chartership Assessor & Interviewer
	STEPS volunteer
	President of UCD Engineers' Graduate Association, 2019 to date.
	Member of the Board of UCD Engineers' Graduate Association, 2016 to date.

LANGUAGES	English





CURRENT OCCUPATION	 Operational Director - SBC EngD Program, Eindhoven University of Technology, 2019- present.
	- Teacher and Researcher - Eindhoven University of Technology, Department of the Built Environment, Unit Building Physics and Services, 2018 – present.

PREVIOUS OCCUPATION	 Project Manager - Smart Cities Program, Eindhoven University of Technology, 2016-2019
EDUCATIONAL	- Doctoral Degree, Czech Technical University, Prague, CZ
BACKGROUND	- Master's Degree - Building Services Systems at the Faculty of Civil
	- Engineering Slovak University of Technology, Bratislava, SK

RELEVANT EXPERIENCE	Mrs Lada HENSEN CENTNEROVÁ is Vice-president of REHVA (Federation of European Heating, Ventilation and Air Conditioning Associations), the President of ISIAQ.nl (International Society of Indoor Air Quality and Climate – Dutch Chapter), the coordinator of National
	Chapters at ISIAQ, and a member of the Editorial Board of REHVA Journal.

LANGUAGES	Czech – mother tongue, English, Dutch, Slovak - fluent





Dr Astrid Petersen Address: Hamburg DE Phone: +494085571750 Email : apetersen@tuev-nord.de VDI

CURRENT	 CHRO and Labour Director TÜV NORD AG Deputy Chairy on the Supervisory Board at Gesellschaft fürAnlagen- und
OCCUPATION	Reaktorsicherheit (GRS) Member of the Supervisory Board at L. Possehl & Co. mbH
PREVIOUS OCCUPATION	 Member of the Board Industry Service, responsible for Business Segment Industry TÜV NORD Systems GmbH Co. KG Managing Director, COO Industrial Services TÜV NORD Systems GmbH Co.KG Managing Director and Head Operative Business Segment Nuclear EnergyTÜV NORD EnSys GmbH Co. KG Division manager and authorized signatory responsible for the KONRAD project at GNS Gesellschaft für Nuklear-Service mbH Head of Internal Communications Framatome ANP GmbH Project manager for measurement campaigns in nuclear power plantoverhauls and Communication / Public Relations Officer Siemens AG/ Kraftwerk Union AG (KWU), Radiation measurement technology

EDUCATION	- Doctorate (Dr rer. nat.) in experimental physics
AL	- Research Assistant, I. Institute of Physics
BACKGROU	- Study of physics, physics diploma at Justus-Liebig University, Giessen
ND	

RELEVANT EXPERIENCE	 Steering and developing international business for process and manufacturing technology as well as securing of operational excellence Development of a corporate culture in view of leadership, knowledge &innovation, communication, diversity, sustainability and health & wellbeing Patron for an initiative to establish a company-owned university or cooperation with a university Chairwomen of the Supervisory Board at TÜV NORD Bildung (2021 - 2022) Focus on lifelong learning Start-up support ("Weconomy") and promotion of women in STEM professions in cooperation with the non-profit association "Wissensfabrik" European Nuclear Society: Member of Board of Directors (2011 – 2016); Establishment and management of the "Young Generation Network" Chairwoman German Nuclear Society (KTG) (2011 - 2016); Presidium German Atomic Forum (DAtF); Supervisory Board Inforum GmbH (2011 - 2016) 145th Baden-Baden Entrepreneur Talks (2019)
------------------------	---

LANGUAGES	German, English, French





Mr Bert LAUWERS Address: Leuven, BE Phone: +32 16 322485 Email: bert.lauwers@kuleuven.be KU Leuven

CURRENT OCCUPATION	- Dean, Faculty of Engineering Technology and Academic Director - KU Leuven – "Mechelen – Kempen – Limburg" 22
PREVIOUS OCCUPATION	 Professor, Mechanical Engineering, KU Leuven, 1998- present Campus Chair I Campus De Nayer & Campus Geel I KU Leuven, 2013-2016

-	Dean of the Faculty of Engineering Technology KU Leuven, 2016-2024
-	Academic Director for KU Leuven @ campusses De Nayer (St. Katelijne Waver), Geel, Diepenbeek & Genk, 2022 – present

	-	PhD in Mechanical Engineering - KU Leuven, 1993
BACKGROUND	-	Master of Science, Mechanical Engineering, option manufacturing processes and Management, KU Leuven, 1987

RELEVANT EXPERIENCE	He was and is active in several national and international (European level) research projects. From October 2013 till July 2016, Bert Lauwers has been campus chair of two KU Leuven campuses, De Nayer & Geel. Since, August 2016, he is Dean of the Faculty of Engineering Technology, with education programs offered at 7 KU Leuven campuses in Flanders (Campus Bruges, Technology campus Ghentl Aalst, Campus De Nayer (Mechelen), Campus Groep T (Leuven), campus Geel and Campus Diepenbeek. In addition, he is since 2021 Academic Director for KU Leuven in the region "Mechelen-Kempen-Limburg", a region within Flanders.
	Editorial member (and evaluation member) of various scientific journals
	Member of project evaluation committees for the European Union
	EU Growth program (CRAFT, 02/2000 / RTD, 11/2000 / RTD, 06/2001 /CRAFT, 04/2002)
	EU FFP7 NMP program (05/2007, 11/2007)
	Member of project evaluation committees for IWT (Institute for the Promotion of Innovation by Science and Technology in Flanders)
	Member of various scientific committees of international conferences

LANGUAGES	Dutch, English





CURRENT OCCUPATION	 Professor Mike Murphy, BSc (Eng), Dip Eng, MEng, PhD, CEng, FIEI, Fellow SEFI
-	
PREVIOUS OCCUPATION	- President of SE3 - European Society for Engineering Education SEFI - European Society for Engineering Education, 2017-2019.

E D U C A T I O N A L BACKGROUND	- MEng degree, Electrical Engineering, from Stevens Institute of Technology in the United States.
	- PhD degree, Electrical Engineering, from Stevens Institute of Technology in the United States.
	- HDip Electrical Engineering, Dublin Institute of Technology
	- BSc (Eng) Honours Degree , Trinity College Dublin.

RELEVANT EXPERIENCE	He is the chairperson of the Board of Directors of HEAnet, Ireland's national research and education network, and chairs its Finance Sub-Committee. He also serves on the Board of Directors of EduCampus.
	He was interim national coordinator for a major national initiative to transform teaching and learning across the technological university sector in Ireland that is funded by the European Commission through Ireland's National Recovery & Resilience Programme.
	Served as the Academic Registrar and Director of Academic Affairs, Digital & Learning Transformation at the City Campus of TU Dublin. In this role, he was responsible for academic quality assurance, learning and teaching, library services, ICT services and the development of a digital campus. He was the Programme Coordinator for the initiative that led to the successful establishment of TU Dublin, Ireland's first designated technological university, on 1st January 2020.
	Mike spent 7 years as Director of Engineering at Dublin Institute of Technology (2002 – 2009), and a further 5 years as Director & Dean of Engineering & Built Environment (2009 – 2014).
	He served as the President of the European Society for Engineering Education (SEFI) from 2017 to 2019 and was a founding member and Chair of the European Engineering Deans Council.
	After completing his PhD, he commenced his industry career with AT&T Bell Labs, and subsequently spent more than twelve years with Bellcore (a major telecommunications network, standards and software company).
	Mike holds MEng and PhD degrees in electrical engineering from Stevens Institute of Technology in the United States. He holds an HDip in Electrical Engineering from Dublin Institute of Technology, and a BSc (Eng) Honours Degree from Trinity College Dublin.
	He was elected as a SEFI Fellow and a Fellow of Engineers Ireland. He has been a member of IEEE since 1981.

LANGUAGES	English





CURRENT OCCUPATION	- Professor- Slovak University of Technology, Bratislava, SK
· · · · · · · · · · · · · · · · · · ·	
PREVIOUS OCCUPATION	- Prorector, SUT Bratislava, 1st Deputy of the Rector, 2007
	- Dean, Faculty Civil Engineering, SUT Bratislava, 2000
	 Professor, Department of Building Services, Faculty of Civil Engineering, SUT Bratislava, 1999
	- Associate Professor, Department of Building Services, Faculty of Civil

EDUCATIONAL BACKGROUND	- Ing. /MSc, Faculty of Civil Engineering, SUT Bratislava, 1980	1
	- PhD - Faculty of Civil Engineering, SUT Bratislava, 1984	

Engineering, SUT Bratislava, 1989

RELEVANT EXPERIENCE	Member of the Executive Board FEANI, 2017- present			
	President of the ZSVTS - Association of Slovak Scientific and Technology Societies, 2015			
	President REHVA, Representative European Federation of HVAC, Brussels, 2002			
	Delegate of the Ministry of Education of the Slovak Republic, working committee PEB by OECD in Paris, 2001			
Delegate of the Slovak Institute for Technical Normalization in CEN, TC 228 (Heat in buildings), 2000				

LANGUAGES	English, German, Russian





CURRENT OCCUPATION	- Civil engineer at TPF - CONSULTORES DE ENGENHARIA E ARQUITETURA, S.A at the Structu25 Design department.	
PREVIOUS OCCUPATION	 PhD. Structural Mechanics - Institut National des Sciences Appliquées de Rennes, France, 2019 	
E D U C A T I O N A L BACKGROUND	 PhD. Structural Mechanics, with Distinction - Institut National des Sciences Appliquées de Rennes, France, 2019 MSc. Structural Mechanics, Universidade de Coimbra, Coimbra, Portugal, 2016 Degree in Civil Engineerin, Universidade de Coimbra, Coimbra, Portugal, 2014 	
RELEVANT EXPERIENCE	Mrs Laura Da Silva Seco is a member of the Portuguese Academy of Engineering (Ordem dos Engenheiros) and Assistant coordinator of the Group of Young Engineers. Collaboration with Laboratoire de Génie Civil et Génie Mécanique at INSA Rennes in journal papers related to Structural Steel Design. Co-supervision of a master thesis at the University of Coimbra related to Steel Design.	

LANGUAGES	Portuguese, English, French, and Spanish





CURRENT OCCUPATION	- Development Director – IVEPE-SEV, (Athene, GR), 2015
	26
	- Branch Manager, IVEPE-SEV (Thessaloniki, GR), 2008 – 2014
PREVIOUS OCCUPATION	- Adult Trainer, IVEPE-SEV (GR), 2003 – 2008
	- Electronics Engineer, Medical Equipment, Papapostolou S.A. (GR), 2000 – 2003

	-	Master of Education, Adult's Education – Human Sciences, 2012
E D U C A T I O N A L BACKGROUND	-	Bachelor 's Degree in Electronics Engineering, Electronics Technological Institute (GR)

RELEVANT EXPERIENCE	Mr. Iraklis Sioulis is the Development Director of IVEPE SEV. He joined IVEPE-SEV in 2003. He has over 17 years of experience in design, implementation and evaluation of educational programs for the enterprises' personnel and for the unemployed.
	He is in continuous cooperation with experts, training institutes and accreditation bodies from all over the world. Also, he has an extensive teaching experience as an active trainer. He has taught in over a hundred courses (and more than 2500 training hours). He has a thorough knowledge of modern methods of active and distance learning.
	As a speaker, he has presented issues relating to education and vocational training at many conferences. He has represented IVEPE-SEV in European forums like EfVET, Business Europe etc. He is a certified trainer, integrated into the Greek trainer's registry of EOPPEP and OAED. He is in direct communication with all big companies and SMEs in Greece designing and implementing consultancy and training projects based on their specific educational needs.

LANGUAGES	Greek, English



Prof. Alfredo Augusto Vieira SOEIRO Address: Portugal, PT Phone: +351 919 738 291 Email: up207351@up.pt AECEF

CURRENT OCCUPATION	 Lecturer, associate professor at the Department of Civil Engineering, Constructions, FEU Porto 27
1	
PREVIOUS OCCUPATION	- Lecturer of the distance course Community Service Engineering

	-	Philosophy Doctor (PhD), University of Florida, USA
E D U C A T I O N A L BACKGROUND	-	Master of Engineering, University of Florida, USA
	-	Degree in Civil Engineering, University of Porto, FEUP

RELEVANT EXPERIENCE	Expert EQAVET (European Quality Assurance Vocational Education and Training), ANQEP, expert evaluator as the publication of National Agency Erasmus+ (2021-27)
	General Secretary of the Association of European Civil Engineering Faculties (AECEF)
	Vice President of International Safety and Health Construction Coordinators Organization (ISHCCO).
	Member of Management Board of European Distance and E-learning Network Digital Learning Europe (EDEN DLE).
	Member of the European University Scientific Committee (EELISA).
	ENETOSH "Ambassador" in Portugal
	Global Talent Mentoring Mentor
	Member of FEANI's "Strategic Task Force" and Working Group "Future Engineers"
	Member of Scientific Committee of ORP
	Co-coordinator of the Ethics in Education in Engineering group of the Portuguese Society for Education in Engineering (SPEE)
	Member of the SIC Technical Commission of the Spanish National Agency for Quality and Accreditation (ANECA), expert of A3ES and quality evaluator of programs of SKVC
	Member of editorial boards of scientific journals on education and engineering (EJEE, IJQCSSE, EURODL, JISC)
	Member of the consortia of several projects financed by the European Commission such as CALOHEE, CALOHE2, CALOHEA, China-Tuning, DISK, CSETIR, TA-SE, ACE, EU3D, Complex e TALOE.

_AN	GU	AGE	S	

Portuguese, English



	Prof. Cedric D'MELLO Address: CG16, Tait Building C City, University of London, Northampton Square London EC1V 0HB
	Phone: +44 (0) 20 7040 8161 Email: c.a.dmello-1@city.ac.uk AECEF

CURRENT OCCUPATION	- Professor D'Mello is currently a Professor of Structural Engineering at City University London.
PREVIOUS OCCUPATION	 Professor D'Mello has held a number of senior appointments in the School and the University. He was the Associate Dean Education from 2009 to 2014, having previously been Head of Civil Engineering and later the Associate Dean Learning and Teaching in the School of Engineering and Mathematical Sciences. His role was to lead the strategic direction of education matters in the School and promote a positive learning and teaching environment. He was an elected member of University Senate until 2013.
E D U C A T I O N A L BACKGROUND	- DPhil Structural Engineering, University of Sussex, Brighton, United Kingdom, 1981
	 BSc (Hons) Structural Engineering, University of Sussex, Brighton, United Kingdom, 1976

RELEVANT EXPERIENCE	His research work is largely in the area of very large scale testing, both in the laboratory and on location on oil rigs and large office buildings. The main focus is on composite structures, starting initially with grouted connections in offshore structures and currently on long span composite floors in buildings. All of the research work has been linked to industrial need and much of it has
	been supported by UK and European funding bodies and by industry. A further area of research has been in the area of dynamics of structures, particularly on the dynamics of long span floors.

LANGUAGES	English



	Mr Klaus THURRIEDL Address: Freistadt, AT, Phone: +43 664/14 21 516Email: <u>thue.klaus@kulturtechnik.at</u> ECEC
--	--

CURRENT OCCUPATION	- Chartered Engineering Consultant for Environmental Engineering and Water Management in Austria
	- ECEC President sigce 2018
	- Member of CEPLIS Executive Board

PREVIOUS OCCUPATION	- Partner of Chartered Engineering Consultancy Thürriedl-Mayr, 2014- present
	- Partner of Chartered Engineering Consultancy Lohberger-Thürriedl-Mayr, 2002- present
	- Partner of Chartered Engineering Consultancy with Dipl.Ing. Werner Lohberger,1992- present
	 Project- and Construction Manager for Civil Engineering office Dipl.Ing. Werner Lohberger, 1985-1992

EDUCATIONAL	- Diploma Chartered Engineer for Environmental Engineering and Water Management, 1985
BACKGROUND	 Diploma University of Natural Resources and Life Sciences, Vienna, 1985 Continuous Professional Development Course

RELEVANT EXPERIENCE	Partner of Chartered Engineering Consultancy Thürriedl-Mayr
	Partner of Chartered Engineering Consultancy Lohberger-Thürriedl-Mayr
	Partner of Chartered Engineering Consultancy with Dipl.Ing. Werner Lohberger
	Project- and Construction Manager for Civil Engineering office Dipl.Ing. Werner Lohberger

LANGUAGES	German, English





Ť

Mr Hannes TREIER Address: Berne, Switzerland Phone: +41 79 411 16 57 Email: hannes.treier@reflecta.ch ENGINEERS EUROPE

CURRENT OCCUPATION	- Co-Founder and partner of the consulting firm Reflecta ag, Berne/Switzerland
	 Member of the National Committee Switzerland WFEO/ENGINEERES EUROPEf, 2010 – present.
	- Member of the Board in various SME

PREVIOUS OCCUPATION	 Project manager f ür Swiss based construction company with project activities in the Middle East, Norway and Singapore
	- Project manager für a Consulting firm
EDUCATIONAL	 Degree in Civil Engineering from the University of Applied Sciences in Brugg/ Switzerland
BACKGROUND	 Postgraduate study in Business Administration at the University of Applied Sciences in Berne (BFH)

RELEVANT EXPERIENCE	He has extensive experience in negotiation and mediation with various stakeholders with different interests and perspectives (professionally, socially and politically), in management of decision processes in private and public bodies, a broad range of teaching activities in the field of project management
	He was a member of the local parliament of Muri (community in the Canton of Bern) for 12 years (2003 - 2015)

LANGUAGES	German, English



Annex B: Visual presentation

WP 2 : EUROPEAN ENGINEERING SKILLS COUNCIL STRUCTURE



Education & Training

- Skills Catalogue
- Occupational Profiles
- _ Training content
- Mobility mechanisms _
- Placement

Policy Formulation

- Strategic vision for engineering
- profession - Identification of priority areas
- Input to evidence-based policy making
- Opinion papers
- Evidence filtering and amplification



WP 2 : EUROPEAN ENGINEERING SKILLS COUNCIL COMPOSITION

Communications / Project Officer

Events & operational coordination

Some Working Group representatives

Financial management

representation

Max 15-18 people

HEIs

.

.

direction)

Faculties)

•

•

.

.

.

•

.

.

FEANI / ENGINEERS EUROPE (Sec Gen + Chair)

FEANI / ENGINEERS EUROPE Sec Gen + Chairman

EU (Commission), policy makers, one or two MEPs

Logistically, a Chair/Rapporteur per working group is essential Adequate stakeholder representation – Membership of 4 to 5 people

Training Bodies (including private training bodies)

MANAGEMENT COMMITTEE

Management, coordination, operational continuity and financial sustainability

SKILLS COUNCIL

Strategy setting

WORKING GROUPS

Technical consultations, monitoring, recommendations to the Council

ADVISORY GROUP

Composed of stakeholders and feeds

back to the Skills Council

- · Engineering sector representatives (industry champions)
- Engineering Students and Young Engineers
- Standards bodies, National Engineering bodies, Industry Representation bodies, Policy makers, etc.

Strategic thinking applicable to the work of the WG (and how it aligns to the overall project

E4E partner representatives / associates pro bono, balanced geographically and gender

Typical working groups (for E4E) : Digital – Green – Entrepreneurship - Transversal

Pro bono representatives from industry (CEO's and HR) and academia (Deans of Engineering

Target / Objective : 80 - 150 people

Sectoral representation

WP 2 : EUROPEAN ENGINEERING SKILLS COUNCIL TASKS

MANAGEMENT COMMITTEE Management, coordination, operational continuity and financial sustainability	 Day-to-day management and follow-up of WG progress Coordination and organization of events Preparation of publications Coordination of working groups Management of online presence (and high-level communication)
SKILLS COUNCIL Strategy setting	 Manage the overall strategy/direction as elicited by the Advisory Group Steering the direction of the project Ensure evidence-based decisions are used in project implementation Clear guidance for the working groups Major decision-making entity Government body As from mid-2025 onwards : ensure a transparent funding model is available for sustaining the WGs
WORKING GROUPS Technical consultations, monitoring, recommendations to the Council	 Consultation with the relevant stakeholders to formulate optimal input to the working group's priorities Prioritize for specific focus in respect to strategic issues Data collection and Report preparation Research, analysis and recommendations – pertinent to specific focus areas Dissemination – to prioritize where the work of the working group has most relevance Action plans / Road maps Advise Skills Council (rapporteur to feed back to the Skills Council)
ADVISORY GROUP Composed of stakeholders and feeds back to the Skills Council	 Stakeholder representation for all relevant engineering sectors The Advisory Group provides a stakeholder 'sounding board' for the work of the working groups Offers a critical mass to ensure information at a national/international level is available Information collation and organization to ensure efficient perspectives are achieved (broad viewpoint in which different perspectives can (potentially) be organized)



WP 2 : EUROPEAN ENGINEERING SKILLS COUNCIL PROCEDURES

MANAGEMENT COMMITTEE

Management, coordination, operational continuity and financial sustainability

SKILLS COUNCIL

Strategy setting

WORKING GROUPS

Technical consultations, monitoring, recommendations to the Council

ADVISORY GROUP

Composed of stakeholders and feeds back to the Skills Council

- Bi-monthly / guarterly communication on the status of the project endeavors Meeting scheduling, organization, communication of minu s; organizing and supporting the work of both the Skills Council and the Advisory Group Permanent and structured procedures for the Management Committee Record keeping – the Management Committee should be the source of truth associated (in respect to all outputs) from the project – it manages/stores all project outputs . The project's annual report is developed by the Secretariat / Management Committee Identify meeting frequency (and modality) to ensure consistency throughput the project work (two annual meetings and 4 quarterly meetings (online)) Direction in the context of working group work/emphasis •
 - Geographic emphasis (and socio-economic considerations) Skills council composition 3 years mandate how frequently the tenure of a representative might be : e.g., Advisory Group representatives, rotating every 3 years (on the basis of evolving concerns and rapid technological advances)
 - Permanent membership = FEANI (ENGINEERS EUROPE), EU representative, HEI, Professional bodies, Industry
 - Membership (as a procedure e.g. nomination)
 - Expertise
 - Focus of the WG (including data requirements and associated analysis) Representation Tenure – 3-5 years (with an ability to stay on)
 - .

.

- Manages the expectation/contribution of the working group (through structured reports) as required from the Skills Council
- Provide timely feedback on reports •
- Support the work (advocate) of the Skills council
- Nominates members to working groups and the Skills Council
- Communicates across the member networks the message of the Skills Council Participates in Skills Council events/workshops and encourages within member networks to also participate thereby assuring widest representation of assembly membership

WP 2 : EUROPEAN ENGINEERING SKILLS COUNCIL RESULTS / PRODUCTS

MANAGEMENT COMMITTEE Management, coordination, operational continuity and financial sustainability	 Publishes the various reports (hard-soft) Produces and publishes progress reports + press releases Online communications Monitoring reports and ensures its distribution Follow-up on membership issues
SKILLS COUNCIL Strategy setting	 Annual Report to highlight the progress achieved Drafts recommendations, Position Papers, Action Plan Road map on future activities Horizon issues/opportunities Strategy for the next iteration
WORKING GROUPS	 Work/engagement reports per WG Reports pertaining to specific Skills Council action priorities

Technical consultations, monitoring, recommendations to the Council

ADVISORY GROUP

Composed of stakeholders and feeds back to the Skills Council

Feedback and endorsements of the Skills Council issues . Based on the throughput of the WGs, Q&A on the current issues and means of addressment

Guidance (reports) to assist the Skills Council in its strategic work



