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Attracting Diverse Talent to the Engineering Professions of 2030 : EU Research Project

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Attracting Diverse Talent to the Engineering Professions of 2030

Una Beagon

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TU Dublin

Engineering Education: Future skills, standards and mobility

Engineers Ireland, 30th October 2019



Introduction to Project

Project Aims

Activity 1 work

Results to date

Q1. Sustainable Development

Q2. Awareness of SDGs

Q3. Skills and competencies required

Next Steps



Attracting diverSe Talent to the Engineering Professions of 2030

Project Partners:



UNIVERSUM



Attracting diverSe Talent to the Engineering Professions of 2030

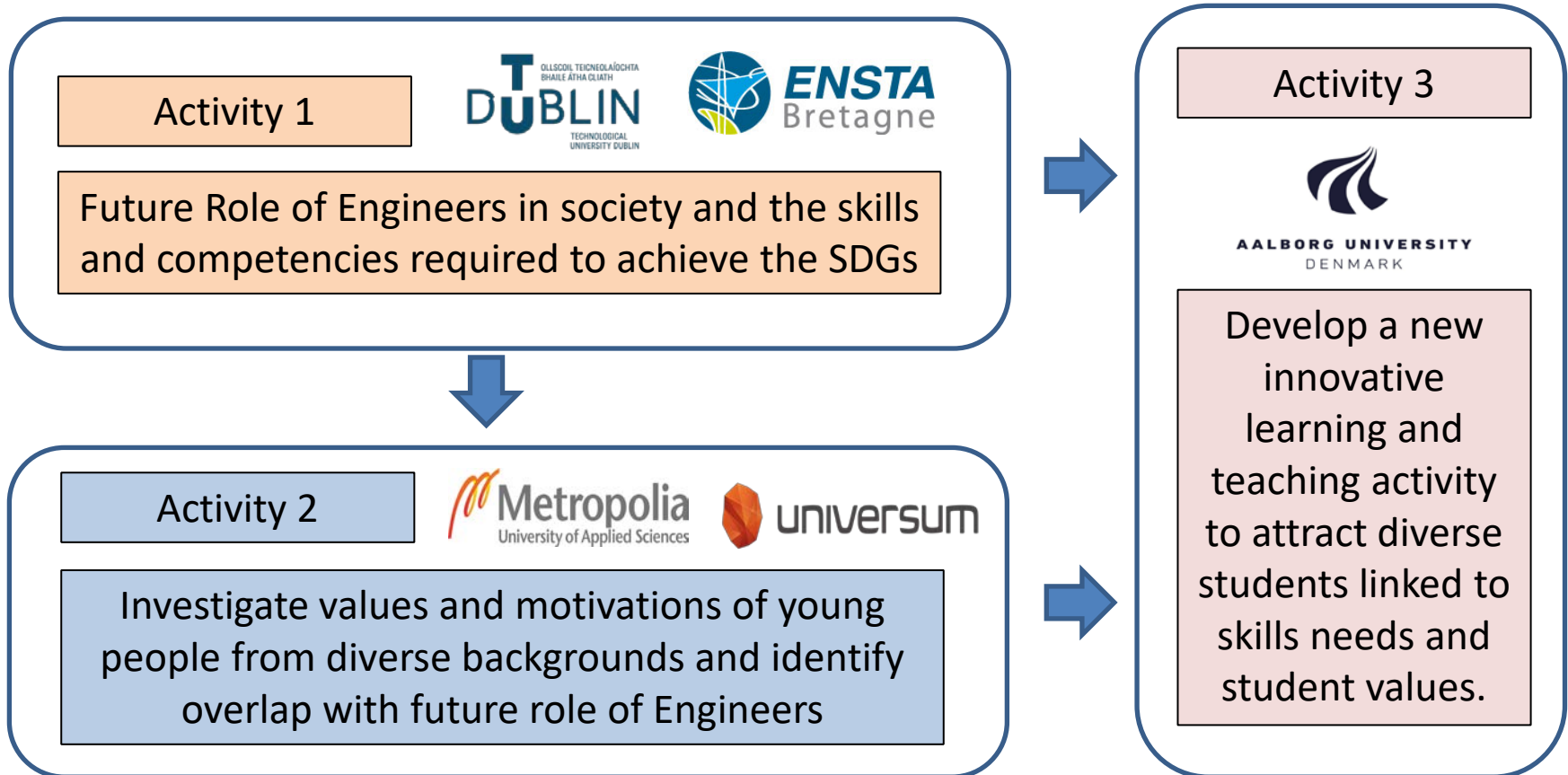
Aligning values of people with the skills needed in the engineering profession

Creating a learning environment which is attractive to all

Encouraging a diverse student body to study engineering



Looking to the Future and the SDGs



Activity 1



Future Role of Engineers in society and the skills and competencies required to achieve the SDGs

Task 1:
Literature Review



Task 2: Focus Groups

	Academics	Students	Employers
Ireland	9	7	6
France	7	9	8
Denmark	8	7	6
Finland	8	4	7

Focus Groups

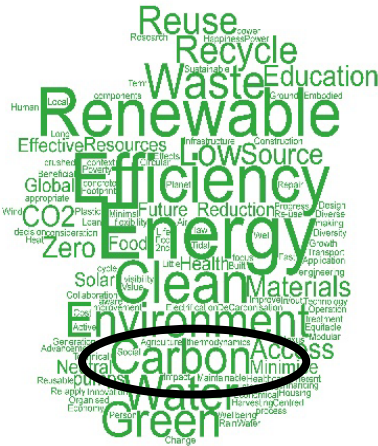


Q1. Words associated with Sustainable Development

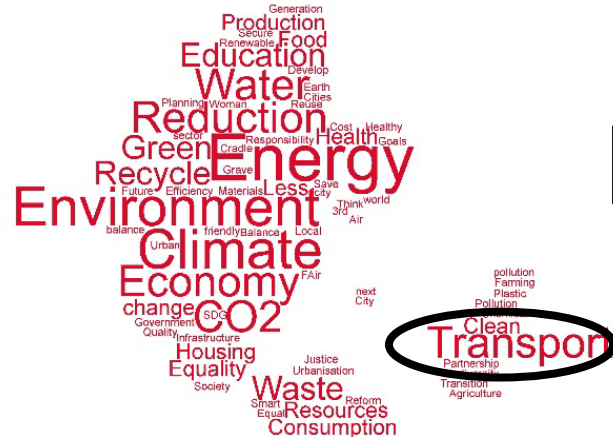


Q1. Words associated with Sustainable Development

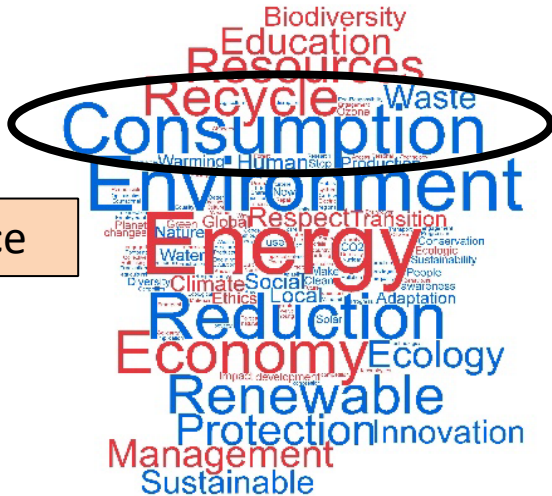
Ireland



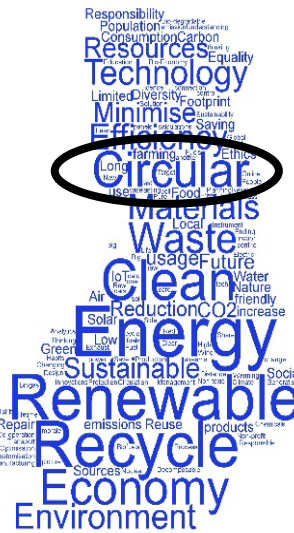
Denmark



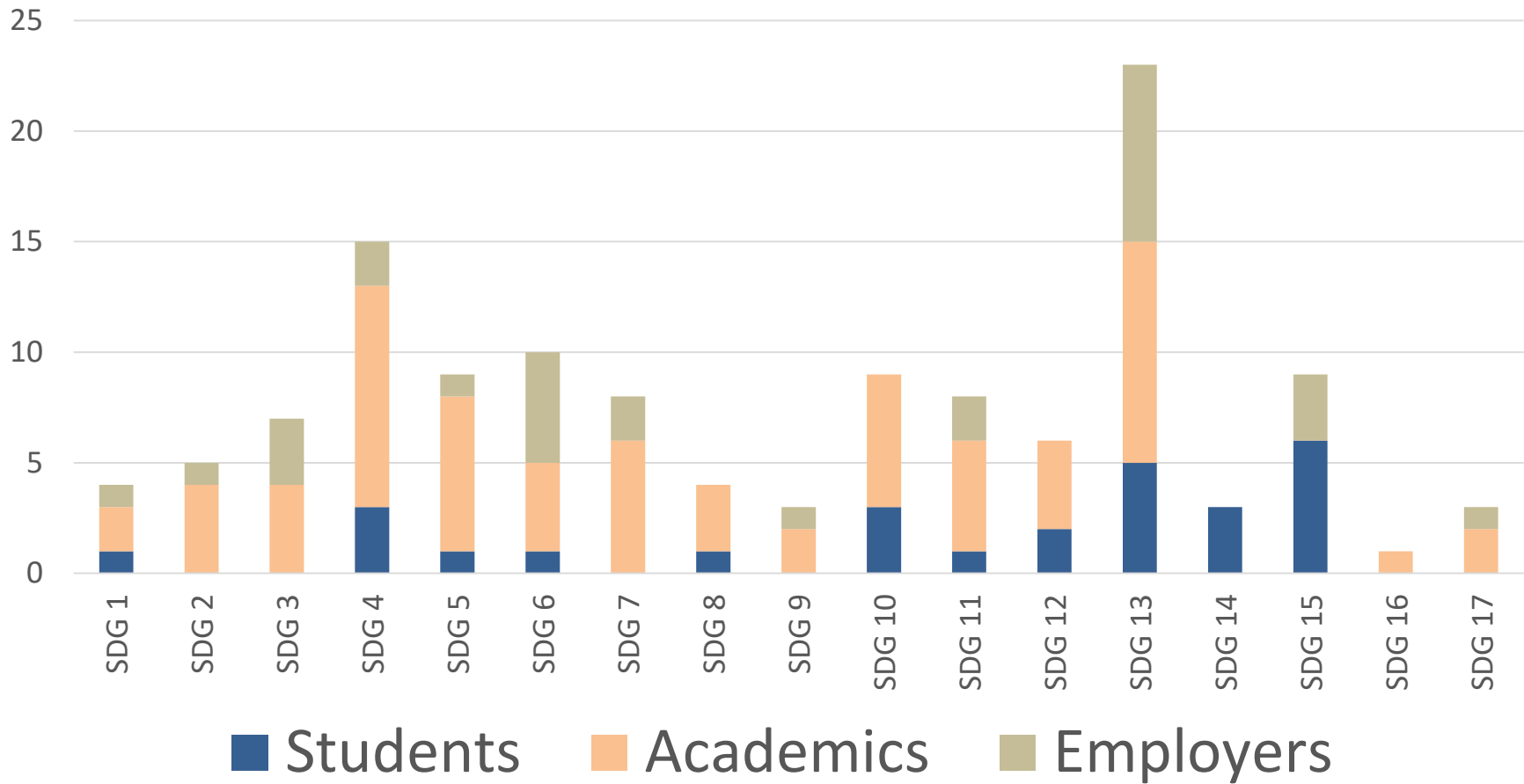
France



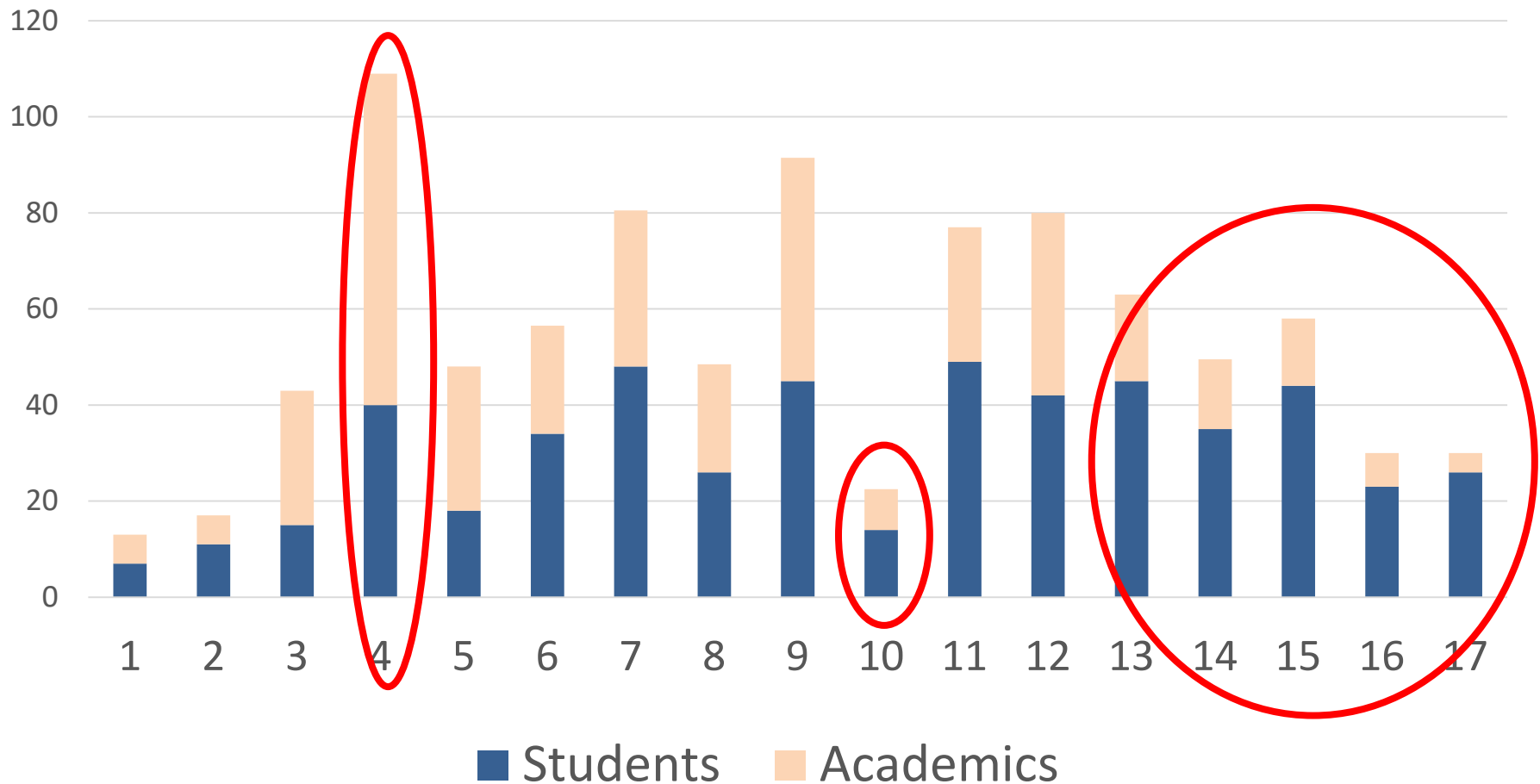
Finland



Q2. No of mentions for each SDG by participant group

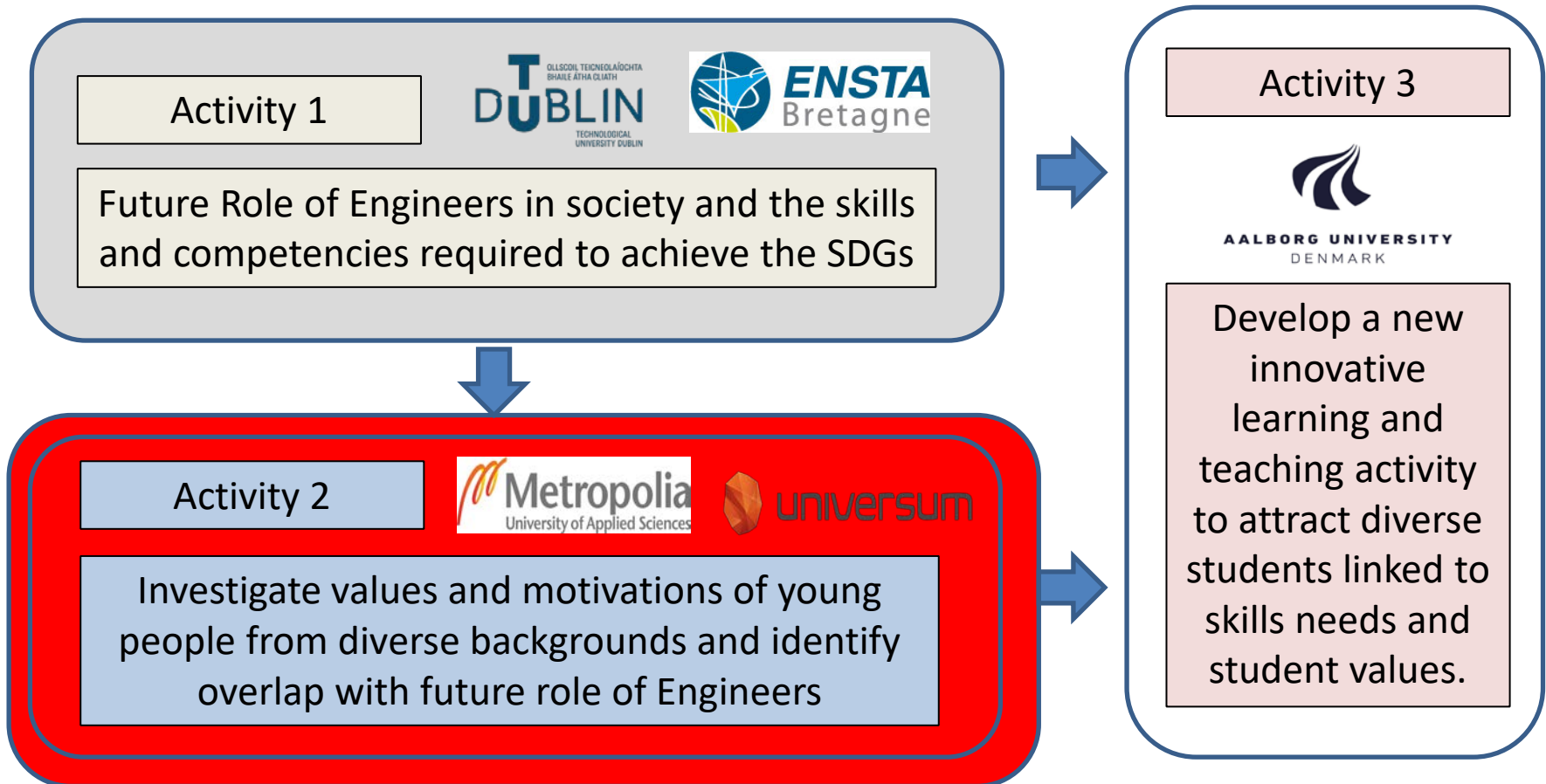


Q2b. To what extent are SDGs covered in engineering programmes



Q3: What are the skills and competencies required to achieve SDGs





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