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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

Assistant Head of School of Civil & Structural Engineering

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:



Attracting diverSe Talent to the Engineering Professions of 2030

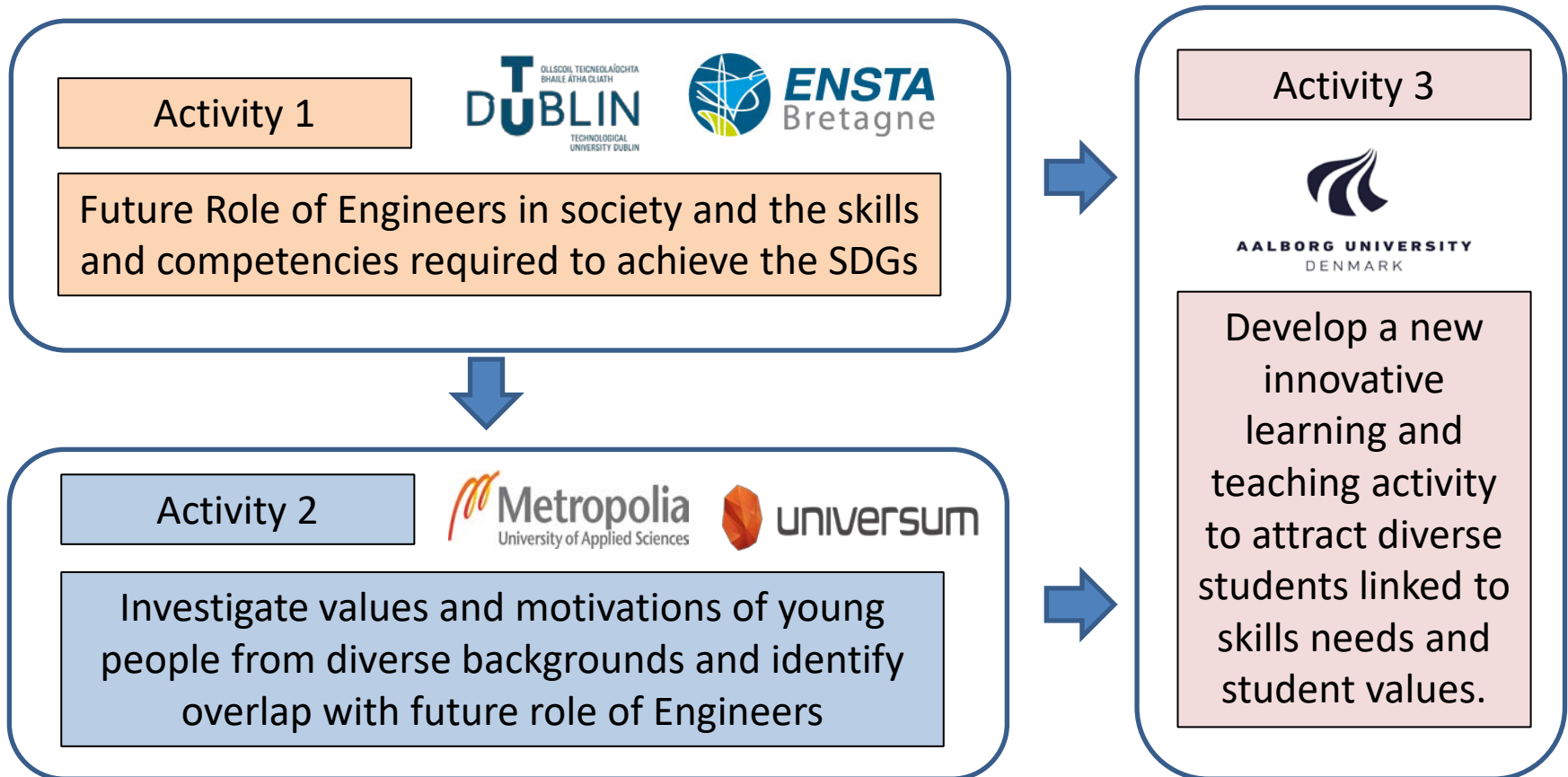
Aligning values of people with the skills needed in the engineering profession

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

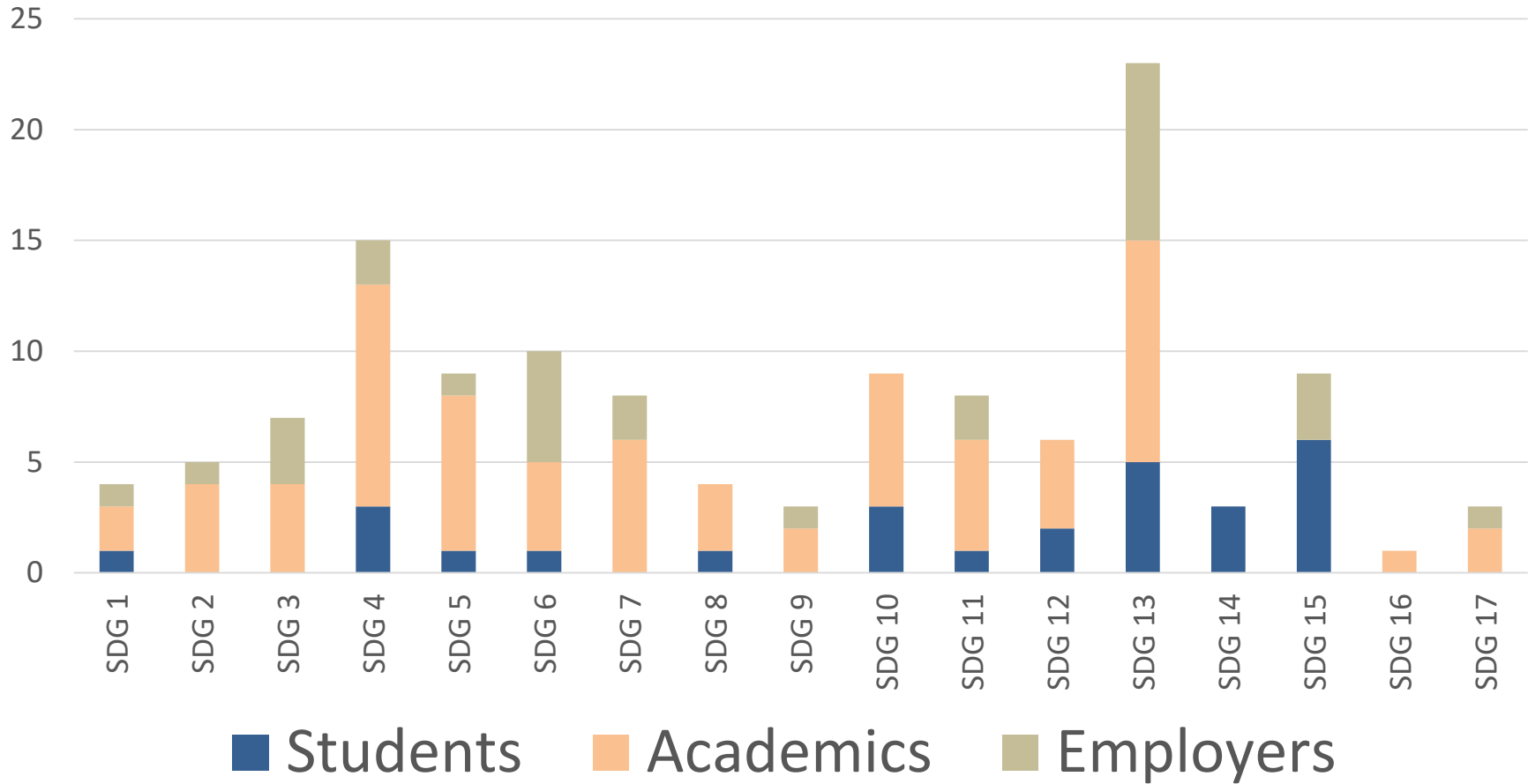
Focus Groups



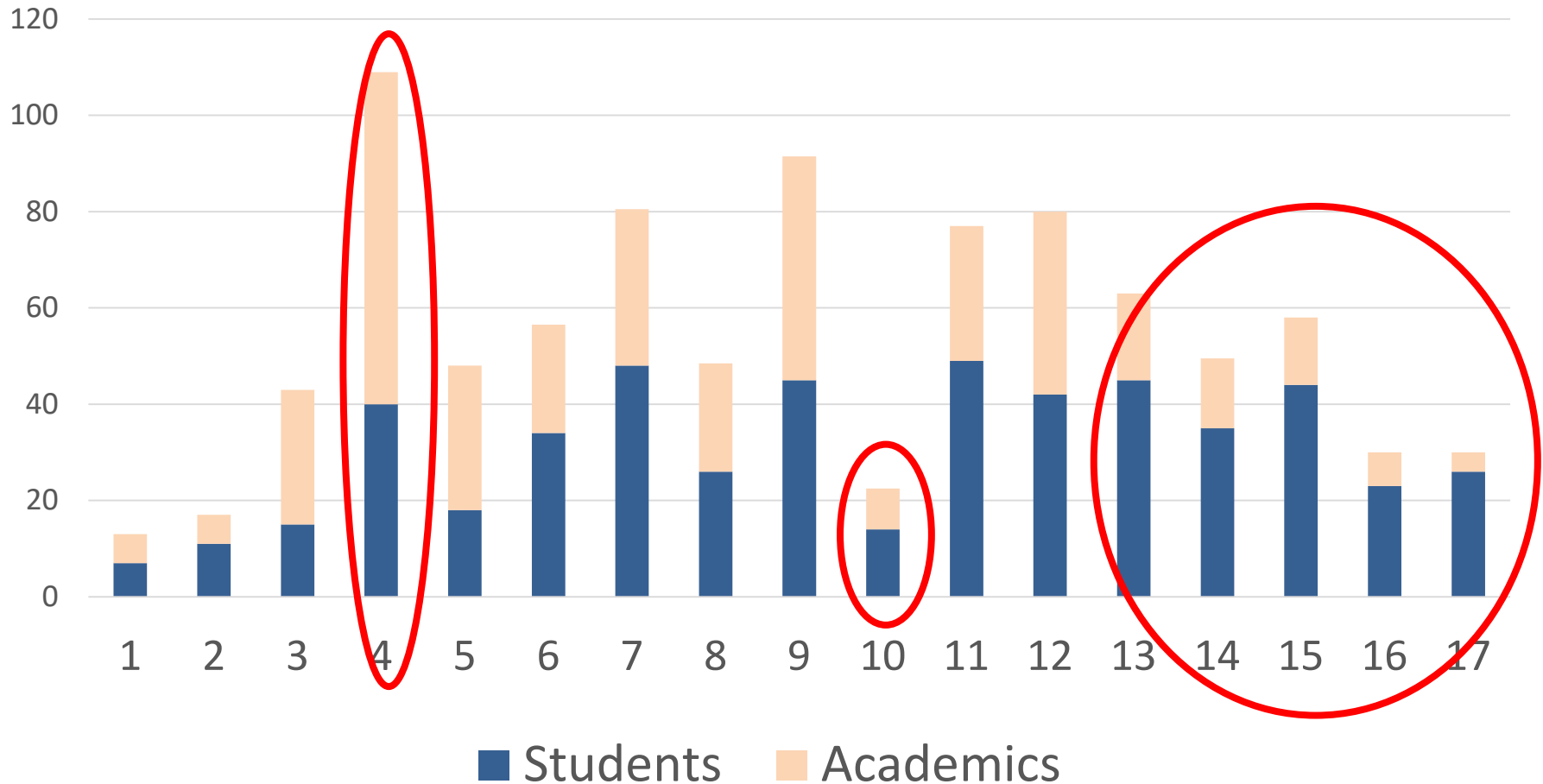
Q1. Words associated with Sustainable Development



Q2. No of mentions for each SDG by participant group

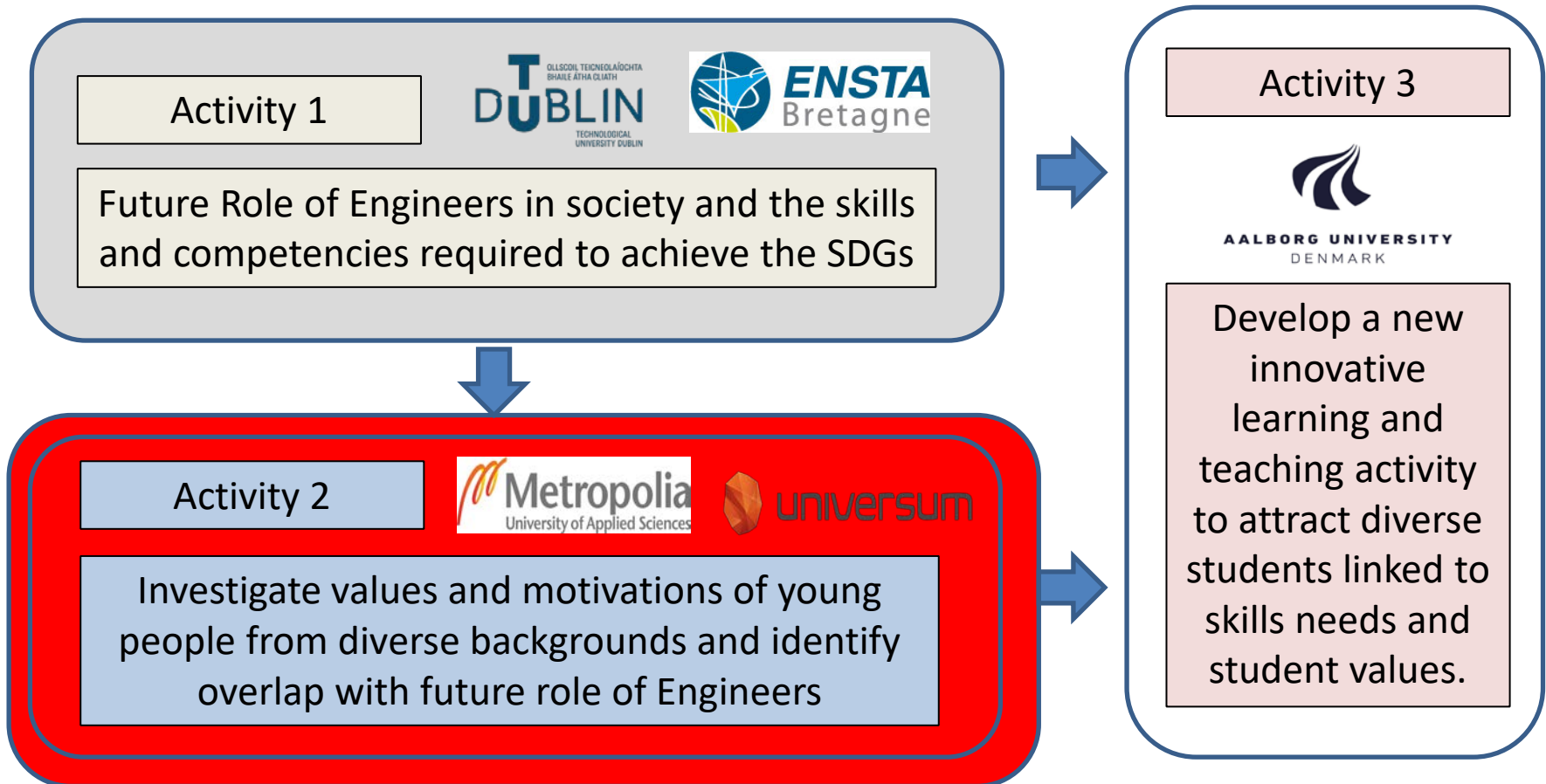


Q2b. To what extent are SDGs covered in engineering programmes



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





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