SUMMARY

Our main objective in Work Packages 4-6 of BoostEuroTeQ is the development of a strategy for reflexive institutionalization of responsible and co-creative teaching and research practice at the EuroTeQ universities. The SWOT Analysis of Responsibilisation Strategies presents a rigorous and context sensitive analysis of strengths, weaknesses, opportunities and threats with regard to the current status of responsibility practices and their links to co-creation efforts at the EuroTeQ Universities. The main findings:

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<th>INTERNAL/CURRENT</th>
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<td><strong>STRENGTHS</strong></td>
<td><strong>WEAKNESSES</strong></td>
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<td><strong>ADDRESSING SUSTAINABLE TRANSITIONS</strong></td>
<td><strong>OPPORTUNITIES</strong></td>
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<td>• All EuroTeQ partners have recently launched strategies.</td>
<td>• Strategies are in early stages, under-staffed and under-funded.</td>
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<td>• Specialist research centres on sustainability topics.</td>
<td>• Many strategies and statements, little implementation.</td>
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<td>• World leaders in diverse renewable technologies.</td>
<td>• Mostly tech-driven solutions.</td>
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<td><strong>INCORPORATING SOCIAL SCIENCES AND HUMANITIES IN TECHNICAL UNIVERSITIES</strong></td>
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<td>• All EuroTeQ partners have SSH departments.</td>
<td>• Challenges to scale-up.</td>
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<td>• Diverse experiences training engineers or SSH specialists.</td>
<td>• Shortage of specialists and specializing students.</td>
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<td>• SSH expertise in diverse technical domains (e.g. mobility, energy, robotics, AI).</td>
<td>• Lack of clarity between SSH and other “soft skills” offers.</td>
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<td>• Student projects make it possible to bring together SSH and STEM students.</td>
<td>• Economics and entrepreneurship receive most attention.</td>
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## SWOT Analysis of Responsibilisation Strategies

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| **FOSTERING MULTI- AND INTER-DISCIPLINARY RESEARCH (ESPECIALLY SSH-STEM)** | • Multi and disciplinary departments in all universities.  
• Pioneer academic programs and courses that bring together multiple disciplines. | • Not too many examples of interdisciplinary projects across SSH and STEM disciplines.  
• Not many explicit incentives and organizational mechanisms to foster interdisciplinary work.  
• Interdisciplinary mode that predominates is “service-subordination” of SSH to STEM.  
• Assumption that SSH help to “fix society”. | • EU and other research funders increasingly encourage interdisciplinary collaboration between SSH and STEM.  
• Many opportunities of mutual learning about organizational structures to facilitate interdisciplinary research.  
• Much to learn from successful experiences across all EuroTeQ universities. | • Contradictions between expectations for interdisciplinary growth but lack of incentives for scholars.  
• Lack of recognition that interdisciplinarity takes time.  
• SSH-STEM collaborations depend on individual people rather than institutional structures. Highly volatile and vulnerable. |
| **ENGAGING WITH SOCIETY** | • Diversity of engagement and meanings of engagement can turn into ambiguity.  
• Industrial and governmental elites become main targets of “engagement with society”, rather than more diverse communities.  
• Vague definitions of what or who is “society” – in strategies.  
• Roles given to societal actors may be too restrictive. | • EuroTeQ could push for collaborative forms of engagement across universities, with a focus on specific technical domains.  
• These can help to foster a sense of Europeanness.  
• Increase impact by focusing on specific sectors of society, also across universities.  
• Reflect on inclusion / exclusion dynamics across different forms of engagement and work to address them. | • Engagement as tick box exercise rather than genuine effort to democratize knowledge, technology and innovation.  
• Narrow focus on privileged sectors of society.  
• Society has little or no decision-making power.  
• Unreflexive engagement with disadvantaged populations. |

The SWOT Analysis sets the grounds for work on the intervention phase of the project. In a later stage, this SWOT Analysis will guide our efforts in the development of policy recommendations and exploitation outputs.
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Further documents

More information and further documents can be requested by contacting Lisa Hasenbein.

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