EELISA

Foreword

WP8 Disciplinary Broadening Workshops are designed to accomplish the overall EELISA vision while achieving the expected objectives[1] and framing themselves within the EELISA Work Plan at the same time.

This template, and in particular section 5 Expected Outcomes, is structured to ease conveying in a standardized way relevant information that will come forth from the workshops presentations and discussion.

The activities foreseen in Task 8.1 and Task 8.3 are reported here below for ease of reference:

Task number	Task name	Description	Participant Name	Role
8.1	Identify interdisciplinary needs of the engineer of the future	Scoping and systematisation of the new skills that an EELISA engineer will have to acquire from separate fields of learning and research. It entails desk research, within network interaction and mapping, and the organisation of open stakeholder workshops with the participation of practitioner communities.	SSSA, SNS, PSL	BEN, BEN, BEN
8.3	Identify engineering skills needs of other professional domains	As a mirror image and complement to Task 8.1, this set of activities is designed to scope and systematise the new skills that other professional domains will have to acquire from the field of engineering. The task will entail desk research, within-network interaction (at a comprehensive university) and mapping, and the organisation of open stakeholder workshops with the participation of practitioner communities.	SSSA, SNS	BEN, BEN

The following check-list clarifies the interdependencies between WP8 and other EELISA WPs and it can be considered as a guideline for the Workshop proposers to easily identify and describe the Workshop expected outcomes.
Furthermore, it can be used by the Workshop Rapporteur to convey relevant information resulting from the Workshop presentations and discussion into input statements that can be easily uptaken by other EELISA WPs:

- WP2 "Enabling Engineering" and, in particular, Task 2.5 "Propose a shared definition of the profile of the European engineer", and Task 2.8 "Implement multiskilling pilots in engineering education". These two tasks are clearly enabled by the results achieved in WP8;
- WP3 "Education management, accreditation". The endorsement of a shared European engineering model is a prerequisite for the establishment of the EELISA joint degree and the achievement of its accreditation at a European level;
- WP4 "EELISA communities". Disciplinary Workshop topics should set within the framework of the established EELISA communities (see section 4);
- WP5 "Link between education, research and innovation" and, in particular, Task 5.4 "Implement Joint PhD Programmes", according to a novel paradigm leveraging on the

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[1] From the WP8 Activities protocol: describe state of the art under three perspectives (research, education, industry & society) in order to identify educational needs suitable to enrich the skills set for the engineer of the future with non-engineering competences and, conversely, to introduce engineering competences in other academic macro-areas.

crucial role of research, innovation and technology transfer in teaching methodologies and in learning processes;

- WP6 "Internship, apprenticeship and partnerships", fundamental link of the chain contributing by means of stakeholder consultation to develop apprenticeship/traineeship/entrepreneurship models, with the advice of the EELISA Employment Committee, and in cooperation with WP2 (profile of the European engineer) and WP3 (European engineering model);
- WP7 "Mobility, inclusiveness and student participation". Disciplinary Workshops concerning inclusiveness and diversity issues are very welcome, along the lines of WP7 objectives for democratic participation and a proactive engagement in engineering studies.
- WP9 "Sustainability and Dissemination". How to communicate science effectively.

Disciplinary Broadening Workshop proposal template

1 Title

2 Proposers
At least 6 Faculty members affiliated to at least 3 universities of the EELISA alliance (bottom-up approach)

3 Topics
Suggested topics and their relevance according to the expected outcomes.

4 EELISA community
☐ Community 1: Cities and Communities
☐ Community 2: Circular industries
☐ Community 3: Artificial intelligence and robotics
☐ Community 4: Culture, cultural heritage and creativity
☐ Community 5: Tools, technologies and digital solutions for health and care, including personalized medicine

5 Expected Outcomes
Please, refer to the correlations between WP8 and other EELISA WPs (see the check-list in the foreword).

6 Speakers

7 Rapporteur

8 Intended audience

9 Program and agenda
Draft program and tentative agenda, including the Workshop format.