December, 2022

INCLUDE PROJECT

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Newsletter, Issue 3

In this issue you will be presented with:

- Steering committee meeting (2) in Japan
- Stakeholder seminar – Japan
- Introduction to Output 4
- Introduction to Output 5

The below image is from a seminar conducted following the steering committee meeting where Professor Dilanthi Amaratunga and Professor Artūras Kaklauskas addressed the gathering which included students from the Keio University and the project consortium.

Steering Committee Meeting in Japan

The second INCLUDE Steering Committee Meeting was held on 30 November 2022 at Keio University SFC Campus, Kanagawa, Japan. It was a hybrid event, yet most of the project partners attended in person. The meeting mainly focused on Output 1 which was fully completed at that time and the progress of the other outputs 2,3, and 4 was also presented. Alongside the quality board meeting was conducted. Since few other future project tasks were to be discussed, the committee decided to gather the next day. On the next day, the aforementioned tasks were discussed, and all output-related issues were resolved. The publication plan and project sustainability too were discussed in detail.

Stakeholder seminar in Japan

This event was the second stakeholder seminar of the INCLUDE project. There were both on-site and online participants, including DRR learners and educators in Universities, as well as policymakers, and DRR practitioners in both private and public sectors. The event included 3 key sessions where the views from academia, views from private sectors, and views from government and civil society were presented. The presenters from academia discussed the use of technologies such as AI, XR, Drones and Big data in DRR while the DRR practitioners provided insights on how the IT, AI, and Big data applications are prominent as water solutions, weather solutions and in overall for DRR. Representatives from the Japanese local government and central government presented their views about the contribution and role of gov-

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Newsletter, Issue 3

Introduction to Output 3

So far, the most conventional and effective methods for DRR education have been through first-cycle (i.e., bachelor's level) and second-cycle (i.e., post-graduate or research level) education. They usually rely on in-person and teacher-centric forms, thus limiting the education from reaching far beyond the student cohorts. Moreover, traditional educational patterns are restricted to tacit knowledge transfer, apart from second-cycle research outputs, which are rarely reached to local communities. With the ever-changing nature of natural disasters and the traditional disaster prevention knowledge coming from local communities, the need for an open, highly available and easily accessible knowledge sharing mechanism is identified. One such form is open education provided via online learning platforms, which are accessible as both paid and free online courses. The term "open education" conceptualizes "a way of carrying out education, often using digital technologies. Its aim is to widen access and participation to everyone by removing barriers and making learning accessible, abundant, and customisable for all." (European Union Science Hub, 2022) The authors have identified that such a platform will be usable for the purpose described above, with relevant modifications. Aligning with the discussions above, Output 3 (O3, hereafter) is formulated to develop an open online learning platform to facilitate an enhanced form of DRR-related knowledge transfer between universities, industry, NGOs and other community organizations. The objective of this O3 is to strengthen university-industry collaboration in DRR in each participant country through the development of a digital learning platform.

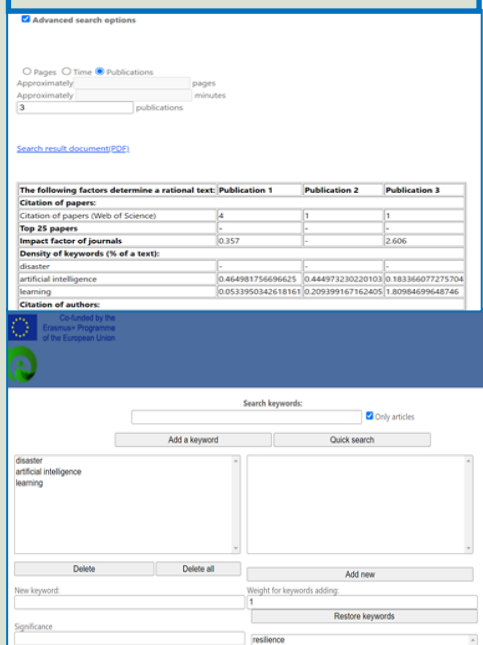## The relationship between Output 3 and Output 5 and their main differences

- Output 5 (O5) focuses on building a data sharing platform for research outputs, whilst O3 focuses on building a collaborative digital teaching and learning platform.

- The technical requirements and the user interfaces required for the two systems are significantly different.

- However, teaching and research complement each other, and as a result, the ability to share data between the two platforms will promoted.

- Therefore, O5 will be designed in such a way that it will have the facility to

Introduction to Output 5

Objectives of O5

1. Encourage research among underrepresented communities (in the EU and also elsewhere) by providing access to world class DRR research through an open access repository.

2. Medium to share, showcase DRR research and educational material easily, and increase stakeholder visibility.

3. Enable and promote lifelong learning within the DRR community by strengthening research capacity.

4. A platform to share unpublished work such as datasets, dissertations, reports, case studies, multimedia content in DRR etc.

5. Maintain long-term preservation and accessibility to DRR related

Below images are the interface of the O5 repository which is under construction