INCLUsive Disaster Education

include

Research problem

Despite some countries launching remote DRR education activities, they have faced a range of challenges and these have been magnified by the COVID-19 pandemic outbreak. The rise of remote teaching and the use of digital platforms has presented challenges to inclusivity and social equity, with a digital divide lowering the academic outcomes of low-income, underserved students and areas. Engagement outside the classroom has also become a challenge and this is a particular concern for practical fields such as DRR. The complexity of these challenges limits our ability to apply generic solutions for DRR education and there is a need for it to be contextualized. Effective teaching and learning strategies are important to increase the effectiveness of DRR activities and increase the inclusivity of disaster education.

Project outcomes

The planned outputs are as follows;

- A survey of online, distance learning strategies used in DRR education and their effectiveness to identify their success factors and associated issues and problems
- A framework to reimagine online distance learning education that can support the diverse DRR community
- An inclusive University-Industry digital learning platform to provide high quality inclusive digital education to DRR community
- Case studies with the use of disruptive technologies for disaster risk reduction
- Online research repository with open educational resources
- Digital competence framework for DRR educators to develop digital pedagogical competences

How will the research problem be addressed?

INCLUDE aims to reimagine online distance learning education so that it better supports the diverse DRR community. Accordingly, INCLUDE will develop a University-Industry digital learning platform to provide high quality inclusive digital education in DRR. It is expected to achieve the aim via 5 objectives as outlined below. Methods of addressing them are explained against each objective.

- To understand online, distance learning strategies currently used in DRR education and their effectiveness in promoting gender equality and sensitivity and addressing differences in relation to the access and use by underrepresented groups – Initially a detailed literature review and thereafter a questionnaire survey will be conducted among DRR educators and community across the globe
- To develop a framework to reimagine online distance learning education so that it better supports the diverse DRR community, also addressing both natural and biological hazards and their integration – Framework will developed and validated via focus group interviews with DRR and education experts. Interviews will be conducted by all project partners at a national setting. The interviews will be analyzed using thematic analysis techniques to elicit themes.
- To design an inclusive University-Industry digital learning platform to provide high quality inclusive digital education to DRR community – Initially the existing MOOCs platforms accessible via online will be reviewed. This will be followed by a delatiled analysis and thereafter a stakeholder workshop
- To explore the opportunities of the use of disruptive technologies in online distance learning education in DRR - Case studies which will be validated by expert interviews
- To propose a digital competence framework for educators in building capacity to implement online and distance teaching and learning in DRR - A literature survey will be carried out as a basis and the software will be developed.

The objectives listed above will be achieved by developing 6 intellectual outputs and organizing 3 multiplier events.

Partners

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