

Output 5

Training courses: MOOCs (Massive Open On-line Courses)

Output Lead: Tallinn University of Technology, Estonia

1. Introduction

The REGARD (REbuildingG AfterR Displacement) project aims to develop competencies in rebuilding communities following disaster and conflict-induced mass displacements from the perspective of the built environment. Based on the competency framework developed in Output 4, a series of training courses will be developed in catering the needs of the host and displaced communities. These courses will directly address the competency requirements identified under O4 and are mainly targeted at built environment professionals, built environment students and teachers.

2. Objective

The objective of Intellectual Output 5 is to develop training courses as a series of Massive Open On-line Courses (MOOCs) available in a virtual learning environment.

3. Methodology

Intellectual Output 5 has 2 deliverables:

- a. Providing a Virtual Learning Environment in which to host the training courses.
- b. Developing the course outlines for the training courses.

The basis of the training courses and their content is the Competency Framework developed in Intellectual Output 4 and the detailed content of the training courses is to be developed in Intellectual Output 6. Figure 1 shows the interrelationships between these Intellectual Outputs.

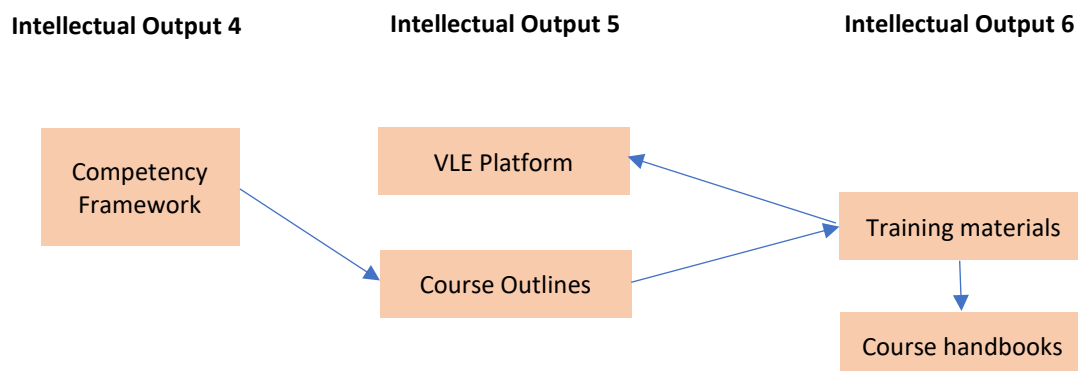


Figure 1: Interrelationships between Intellectual Outputs 4,5,6

With regard to the Virtual Learning Environment, rather than creating an entirely new system, an existing Disaster Resilience KnowledgeHUB platform was updated and extended in order to host the training courses, as shown in Figure 2.

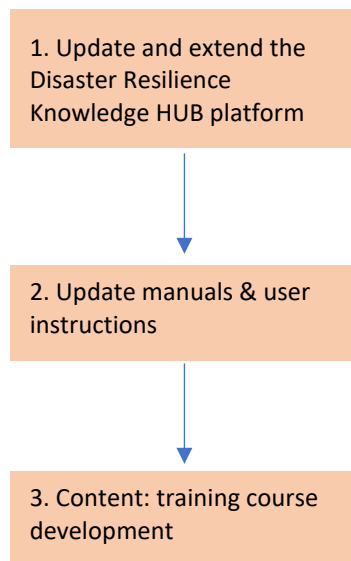


Figure 2: Development of the Virtual Learning Environment for Hosting the Training Courses

4. Results

The developed training programme consists of four courses as follows:

Course 1 - Introduction to Mass Displacement - in relation to Foundational Competencies (relating to tier 1 of the Competency Framework)

Prerequisite courses:

- None (a relevant level of educational achievement in any field).

Course objectives:

- To understand the context of mass displacement.
- To introduce the terminology, policy and legal frameworks relating to mass displacement.
- To understanding the roles and interests of different organisations and stakeholders involved in mass displacement.
- To understand the societal impacts of mass displacement.
- To introduce best practices in terms of social cohesion and integration.
- To prepare students for industry- and occupation-specific courses.

Key learning outcomes:

Having successfully completed the course, the student is able to:

- Understand the processes and societal impacts of mass displacement.
- Appreciate the organisations and stakeholders involved in mass displacement and their various interests.

- Communicate and discuss the subject of mass displacement with reference to appropriate terminology and applicable policy and legal frameworks.
- Understand the issues that face both displaced and host communities and how these can be alleviated.
- Analyse a mass displacement scenario and anticipate problems / issues and recommend solutions to them.

Course 2 - Mass Displacement and the Built Environment - in relation to Built Environment (Industry-wide) Competencies (relating to tier 2 of the Competency Framework)

Prerequisite courses:

- Introduction to Mass Displacement (Course 1)

Course objectives:

- To explain how mass displacement impacts the Built Environment.
- To introduce the terminology, policy and legal frameworks relating to mass displacement with specific reference to the Built Environment.
- To convey the importance of (temporary, transitional and permanent) housing and explore challenges and opportunities with respect to housing interventions.
- To introduce best practices in relation to Built Environment interventions. (including disaster resilience, environmental sustainability, social cohesion, etc.)
- To prepare students for occupation-specific courses.

Key learning outcomes:

Having successfully completed the course, the student is able to:

- Understand how mass displacement impacts the Built Environment.
- Communicate and discuss issues using appropriate terminology relating to mass displacement with specific reference to the Built Environment.
- Appreciate the policy and legal frameworks that apply to mass displacement with specific reference to the Built Environment.
- Analyse a mass displacement scenario and anticipate Built Environment-related problems / issues and recommend solutions to them.

Course 3 - Planning and Design for Mass Displacement - in relation to Occupational Competencies - Planning and Design (relating to tier 3 of the Competency Framework)

Prerequisite courses:

- Introduction to Mass Displacement (Course 1)
- Mass Displacement and the Built Environment (Course 2)

Course objectives:

- To explain how planning and design interventions can mitigate mass displacement impacts the Built Environment and enhance integration and social cohesion.
- To introduce the terminology, policy and legal frameworks relating to mass displacement with specific reference to planning and design of the Built Environment.
- To introduce best practices in relation to planning and design of the Built Environment interventions (including with respect to disaster resilience, environmental sustainability, social cohesion, etc.)

- To prepare students for occupation-specific roles in the context of mass displacement.

Key learning outcomes:

Having successfully completed the course, the student is able to:

- Understand how planning and design decisions affect mass displacement impacts on the Built Environment and enhance / constrain integration and social cohesion.
- Communicate and discuss issues using appropriate terminology relating to mass displacement with specific reference to planning and design of the Built Environment.
- Appreciate the policy and legal frameworks that apply to mass displacement with specific reference to planning and design of the Built Environment.
- Analyse a mass displacement scenario and anticipate Built Environment-related problems / issues and recommend planning and design solutions to them.

Course 4 - Construction and Facilities Management for Mass Displacement - in relation to Occupational Competencies - Construction and Facilities Management (relating to tier 3 of the Competency Framework)

Prerequisite courses:

- Introduction to Mass Displacement (Course 1)
- Mass Displacement and the Built Environment (Course 2)

Course objectives:

- To explain how construction and facilities management interventions can mitigate mass displacement impacts the Built Environment and enhance integration and social cohesion.
- To introduce the terminology, policy and legal frameworks relating to mass displacement with specific reference to construction and facilities management of the Built Environment.
- To introduce best practices in relation to construction and facilities management of the Built Environment interventions (including with respect to disaster resilience, environmental sustainability, social cohesion, etc.)
- To prepare students for occupation-specific roles in the context of mass displacement.

Key learning outcomes:

Having successfully completed the course, the student is able to:

- Understand how construction and facilities management decisions and activities affect mass displacement impacts on the Built Environment and enhance / constrain integration and social cohesion.
- Communicate and discuss issues using appropriate terminology relating to mass displacement with specific reference to construction and facilities management of the Built Environment.
- Appreciate the policy and legal frameworks that apply to mass displacement with specific reference to construction and facilities management of the Built Environment.
- Analyse a mass displacement scenario and anticipate Built Environment-related problems / issues and make recommendations to solve or alleviate them in terms of construction and facilities management.

All the above courses and their corresponding teaching materials are available on the KnowledgeHUB platform and can be accessed via the links provided in the next section.

5. Links to the KnowledgeHUB and REGARD Courses

[The REGARD Courses on the Disaster Resilience Knowledge HUB](#)

[Course 1 - Introduction to Mass Displacement](#)

[Course 2 - Mass Displacement and the Built Environment](#)

[Course 3 - Planning and Design for Mass Displacement](#)

[Course 4 - Construction and Facilities Management for Mass Displacement](#)