

D1.1

WIKI-style online platform of multi- hazard, multi-risk methods, models, and tools

Version 2.0
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D1.1/ WIKI-style online crowdsourcing platform of multi-hazard, multi-risk methods, models, and tools

Lead by British Geological Survey

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Abstract

Deliverable 1.1 'Wiki-style online crowdsourcing platform of multi-risk methods, models, and tools' is associated with Task 1.2 'Review of methods, models, and tools for multi-hazard, multi-risk management' of work package 1 'Diagnosis' of the MYRIAD-EU project. The aim of the task was to develop a Wiki-style online crowdsourcing platform of examples of qualitative and quantitative multi-hazard, multi-risk methods, models, and tools (approaches), including examples of their application. The purpose of D1.1 is to serve as an information resource and starting point in our laboratory of systemic multi-hazard risk assessment and management. The **Disaster Risk Gateway** wiki was developed using a mixed-methods approach, including traditional literature reviews and data gathering exercises, combined with participatory activities and data collection forms. The development of the wiki was divided into initial scoping work carried out between September 2021 and January 2022, followed by the creation of the online website, including its content between February and October 2022. The scoping work focused on generating interest and input across the consortium; setting boundaries on the scope and functionality of the wiki; collecting examples of existing approaches, particularly their implementation in mapping out the wiki structure; undertaking an initial scoping of existing literature to design the review task; and exploring and discussing previous or existing wikis to determine the best approach. The wiki design, development, and deployment were undertaken by BGS. It was created using the freely available software, MediaWiki, which is designed for open content, and is hosted by the BGS. Functionality and the appearance of the wiki has been customised through the installation of extensions that are attached to the core software. The wiki has a nested structure and pages are responsive allowing for page optimisation across all devices. The outcome of the scoping work informed the design and structure of the wiki, with the current content classified into two main categories: 'multi-hazard risk assessment' and 'multi-hazard risk management'. In addition to overviews of multi-hazard risk assessment and management approaches, the wiki also contains definitions for key terms. These definitions are sourced from the MYRIAD-EU WP1 deliverable D1.2 'Handbook of Multi-hazard, Multi-Risk Definitions, and Concepts'. The integration of the wiki into the Dashboard (WP2, Task T2.3) ensures access to the MYRIAD-EU products and services synchronously with key approaches from previous and ongoing external projects. The **Disaster Risk Gateway** will continue to develop dynamically over time as more content is crowdsourced and new content sub-categories are created by the wiki team.

The Disaster Risk Gateway is available at www.disasterriskgateway.net.

The WP1 team would like to acknowledge all the contributions of the consortium on this task and the BGS Intellectual Property, Legal, and Enquiry Services for their support in delivering this work.

Dissemination level of the document

- Public
- Restricted to other programme participants (including the Commission Services)
- Restricted to a group specified by the consortium (including the European Commission Services)
- Confidential, only for members of the consortium (including the European Commission Services)

Version History

Version	Date	Authors/Reviewers	Description
V1	01/07/2022	Melanie Duncan, Lara Smale, Julia Crummy, Roxana Ciurean, Ailsa Napier, Sainath Chintham, Wayne Shelley, Joel Gill (British Geological Survey); Julius Schlumberger and Dana Stuparu (Deltares); Bijan Khazai and Trevor Girard (Risklayer); Marleen de Ruiter and Timothy Tiggeloven (Vrije Universiteit Amsterdam); Remi Harris, Davide Ferrario, Jaro Mysiak, Silvia Torresan (CMCC); Judith Claassen, Ruoying Dai (Vrije Universiteit Amsterdam); Stefan Hochrainer-Stigler and Robert Šakić Trogrlić (IIASA); Jana Sillman (University of Hamburg); James Daniell (Risklayer)	Submission of early wiki version (stage site) to Quality Unit
V2	01/11/2022	Melanie Duncan, Lara Smale, Julia Crummy, Roxana Ciurean, Ailsa Napier, Sainath Chintham, Wayne Shelley, Joel Gill (British Geological Survey); Julius Schlumberger and Dana Stuparu (Deltares); Bijan Khazai and Trevor Girard (Risklayer); Marleen de Ruiter and Timothy Tiggeloven (Vrije Universiteit Amsterdam); Remi Harris, Davide Ferrario, Jaro Mysiak, Silvia Torresan (CMCC); Judith Claassen, Ruoying Dai (Vrije Universiteit Amsterdam); Stefan Hochrainer-Stigler and Robert Šakić Trogrlić (IIASA); Jana Sillman (University of Hamburg); James Daniell (Risklayer)	Final version (live site) including changes based on reviews