

# Invitation to the Learning Journey Hazard and Risk Assessment

## Part two: Risk Assessment

March – May 2024

### Rationale

Sound DRR programming relies on having solid assessment data. The data world is in a very dynamic stage, airborne data becomes increasingly accessible. More and more, organisations working in DRR, CCA and resilience strengthening need solid, technical assessments to complement a community-based approach. This is particularly the case for preventive measures.

In order to support its member organisations, the Swiss NGO DRR Platform decided to organise a learning journey on hazard and risk assessment.

*Methodological elements of a solid hazard assessment*



### Objective

Enhance the capacity of practitioners on how to independently conduct a hazard and risk assessment, including how to retrieve airborne data and work with GIS, and determine the cost-benefit ratio of a DRR measure.

### Structure

The learning journey is organised in a modular way and conducted over a period of 2 years. The modules are grouped in the following packages:

- 1) GIS, Satellite Data, Drones
- 2) Hazard Assessment
- 3) Risk Assessment and Cost-Benefit Analysis

For details, see the [training concept](#).

### Programme

While the first year focused on hazard assessment, the second year will expand to risk assessments and cost-benefit analyses, as well as the visualisation and analysis using GIS. The five modules will be conducted in form of webinars of 2 hours each, on Wednesdays from 13.00 - 15.00h CE(S)T. The dates and topics are as follows:

Date	Topic
06.03.24	1. Introduction to risk assessment, incl. summary of hazard assessment in PCM
20.03.24	2. Quantitative risk assessment and cost-benefit analysis (CBA) – the concept
17.04.24	3. Quantitative risk assessment and CBA – the practice
15.05.24	4. GIS – data generation, starting a GIS project and introduction to Open Street Map
29.05.24	5. GIS – data analysis and visualisation

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### Target Audience

The learning journey is aimed at persons working in the field of DRR in programme countries as well as in head offices (in Switzerland and elsewhere). It is primarily geared towards employees of member organisations of the Swiss NGO DRR Platform but open to interested persons from non-member organisations.

**Important:** Part two builds on the learnings of part one on hazard assessment that was conducted in 2023. To get the best possible learning experience, we recommend participants who have not attended the first part, to complete the following modules in self-study online:

1. Introduction to hazard assessment
3. Hazard assessment flood
5. Hazard Mapping Flood – Hazard Assessment in Programming

[Click here for details of part one](#), including the recordings and presentations of the webinar modules.

### Organisation

The learning journey is organised and facilitated by Andrea Blindenbacher and Georg Heim.

Andrea Blindenbacher has a MSc in Geographic Information Systems and Remote Sensing and has extensive experience in aerial data acquisition, processing and analysing. Andrea is responsible for package 1.

Georg Heim is a geomorphologist by background with a MSc in Geography. He has extensive experience in hazard and risk assessments, planning and realisation of mitigation measures. Georg is responsible for packages 2 and 3 and the overall organisation of the training course.

The Swiss Red Cross supports the facilitators and oversees logistics, administration and financial issues.

### Registration und contact

[Click here to register](#)

Further information:

- For content matter: [Georg Heim](#)
- Administrative issues: [Anton Jöhr](#)