Introduction to Chapter 2

A Resilient Future: Science and Technology for Disaster Risk Reduction

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EPFL

Objective of chapter 2

Present tools and technologies that can allow us to perform hazard, vulnerability, and risk assessments

A Resilient Future: Science and Technology for Disaster Risk Reduction

Introduction to Chapter 2 A Resilient Future: Science and Technology for Disaster Risk Reduction We will prepare a social map of this area, identify safe area, vulnerable points. The land of Ward No. 7 (locality) of our village is good for settlement. There is no risk of landslide or falling of stones from above, such safe place is in Ward No. 7. Dear participants, welcome to chapter 2 of the MOOC, A Resilient Future: Science and Technology for Disaster Risk Reduction. In this chapter, we will dive into the main body of the topic of the MOOC by addressing the subjects of hazard, vulnerability, and risk assessments. The objective of this chapter is to present tools and technologies that allow us to perform hazard, vulnerability, and risk assessments.

Notes

Summary

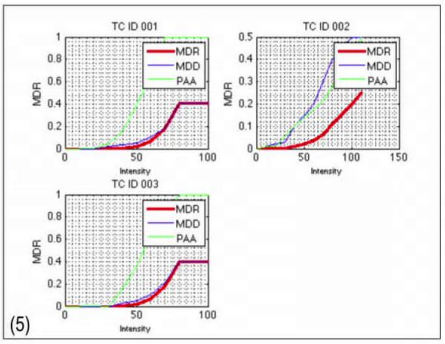
0m 00s

Questions addressed in this chapter

- What is participatory risk and vulnerability assessment?
- How are landslide hazards assessed?
- How can modeling approaches contribute to risk assessments?

(3)

(4)



(5)

A Resilient Future: Science and Technology for Disaster Risk Reduction

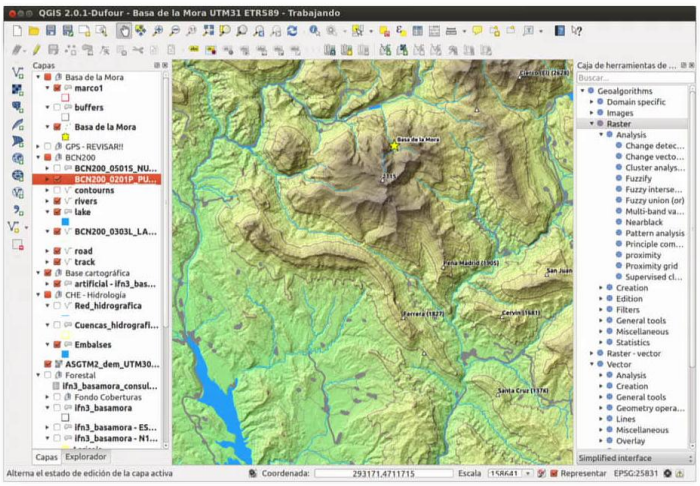
The main questions that we will address in this chapter are the following: What is participatory risk and vulnerability assessment? How are landslide hazards assessed? How can modeling contribute to risk assessments?

Notes

Summary

0m 57s

Questions addressed in this chapter



(6)

What are geographic information systems and how can they contribute to risk assessment?

We will look at geographic information systems and explain how they can help us to assess risks.

Notes

Summary

1m 11s

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The answers to these questions will be given through video lectures by EPFL teachers, as well as by EPFL partners. I hope you will enjoy this second chapter of this MOOC.

Notes

Summary

1m 17s