LESLIE
LAND MANAGEMENT
ENVIRONMENT &
SOLID-WASTE

LAND MANAGEMENT, ENVIRONMENT & SOLID-WASTE: INSIDE EDUCATION AND BUSINESS IN CENTRAL ASIA
ERASMUS-EDU-2023-CBHE Project Number: 101129032

MICRO-CREDENTIAL

CLIMATE CHANGE FOR SUSTAINABLE LAND MANAGEMENT IN CENTRAL ASIA

5.- Climate Extremes, Hazards and Risk

Activity

Simple risk-matrix exercise for three local hazards

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1. INSTRUCTION GUIDELINES

Assess three local relevant hazards using a simple likelihood versus impact matrix. The main goal is not to produce a mathematically precise score, but to encourage structured judgment and discussion

1. Choose three hazards relevant to the local area. Suggested examples: flood, heatwave, drought, dust storm, landslide, or water shortage.
2. Rate likelihood on a scale from 1 to 5, where 1 means very unlikely and 5 means very likely.
3. Rate impact on a scale from 1 to 5, where 1 means minor disruption and 5 means severe human, economic, or environmental consequences.
4. Multiply likelihood by impact to obtain a simple risk score.
5. Discuss whether exposure, vulnerability, or adaptive capacity would raise or lower the final real-world risk.
6. Answer the question when you have completed the table

*You can use the following template or create your own

Hazard	Likelihood (1–5)	Impact (1–5)	Score	Who/what is exposed?	What makes this risk higher or lower?

Question: Which hazard scored highest? Would the ranking change if local exposure or institutional capacity changed?