

Extension of competences and knowledge-based education of natural hazards and environmental change

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Main objective

to extend trilateral cooperation in the educational process
at **Master** and **PhD** level

focused on sharing competences in modern analytical
methods and complementary technologies

in the research of impact of **environmental change** and
associated natural hazards

Project outcomes

- ▶ Intensive **field courses** in advanced technologies;
- ▶ Collaborative **seminars** led by hosting professors with future-oriented topics;
- ▶ **Workshops** with public interest and **field works** to support the active learning;
- ▶ Set up missing bilateral **Erasmus agreements** (CU-UM, HU-UM) and English taught courses.



How can we reach the sustainability ?

- ▶ By implementation of **English taught courses** into study plans of partner universities
- ▶ Establishing conditions for **joint supervision** of MSc and PhD theses (co-tutelle).



Innovative activities

- ▶ Teaching experiences and research skills on a **wide range of methods** usable in **environmental change** and **natural hazards**
- ▶ Students will benefit from physical mobility and research at each university, which covers **diverse environments**: from **high mountain areas** to **arid regions**.



Plan

► Plan to prepare an interdisciplinary set of competences and skills from:

- 1) physical geography,
- 2) engineering geology.
- 3) geoarchaeology.



Timeline 2020/21

- ▶ **Workshops** “Natural hazards in mountain areas” in Prague (March)
„Digital Geoarchaeology“ in Heidelberg (April).
- ▶ One **joint field course** on “Slope stability hazard in Alpine areas” in Italy (May/ June).
- ▶ **Short-term visits** of students and academic staff between Partners
- ▶ Adaptation of **study plans** to include new courses organized by partner universities

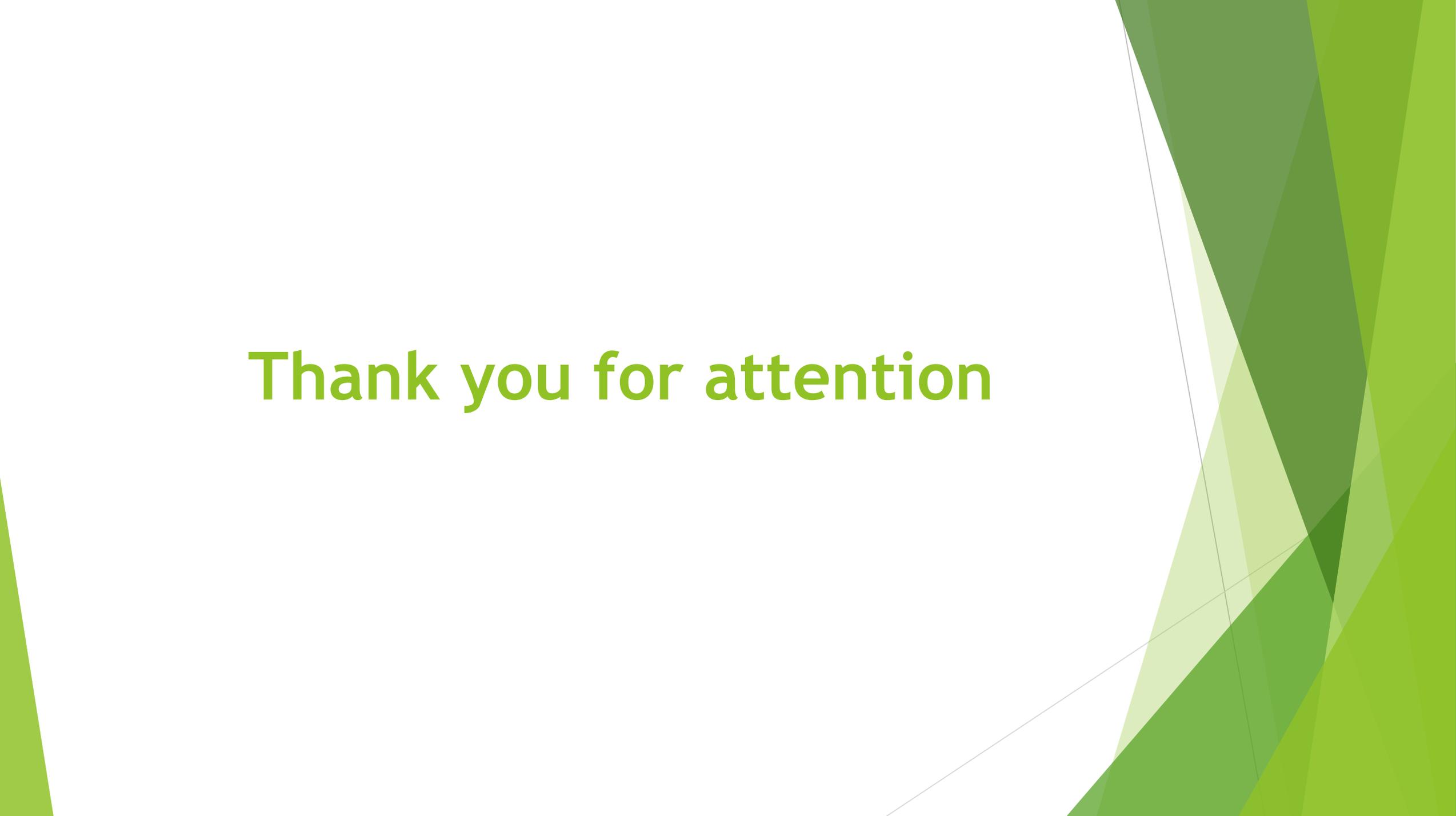


Timeline 2021/22

- ▶ **Workshop** “Impact of climate change on the Environment” in Prague and “Characterization of soil and rock mechanical and hydrogeological properties” in Milan.
- ▶ One **joint field course** on “Advanced geomorphology - Application of geophysical, geodetic and sedimentological methods in river catchments” in Germany
- ▶ **Short-term visits** of academic staff and students between Partners.
- ▶ Adaptation of **study plans** to include new courses organized by partner universities



Thank you for attention

The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. These shapes are primarily located on the right side of the frame, creating a modern, layered effect against the white background.