

Date of Submission	
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IPL Project (IPL-Number) Annual Report Form

**Period of activity under report
from 1 January 2022 to 31 December 2023**

1. Project Number and Title: 197 - Low frequency, high damaging potential landslide events in “low risk” regions – challenges for hazard and risk management

2. Main Project Fields

Select the suitable topics. If no suitable one, you may add new field.

(1) Technology Development

B. Hazard Mapping, Vulnerability and Risk Assessment

(2) Targeted Landslides: Mechanisms and Impacts

A. Catastrophic Landslides

(3) Capacity Building

B. Collating and Disseminating Information/ Knowledge

(4) Mitigation, Preparedness and Recovery

A. Preparedness

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Core members of the Project: Filip Hartvich, Ph.D. (IRSM CAS), Ing. Jan Balek (IRSM CAS),
Petr Tábořík, Ph.D. (IRSM CAS)

3. Objectives (5 lines maximum)

The main objective is to collect new data showing that it is important to manage landslide hazards and risk even in countries, which are not recognized as those suffering from frequent and catastrophic slope processes such as countries in high mountains or seismically active areas. We will specify the most effective hazard and risk management approaches to provide “best practice” instructions for decision-makers and potentially affected populations.

4. Study Area

Most of the fieldwork will be done in the Czech Republic and Spitsbergen Islands, but published landslide research from similar “low-risk” countries and regions will be reviewed and considered.

5. Project Duration

2015 – 2023

6. Report

1) Progress in the project (30 lines maximum)

The main focus was on maintaining and updating the landslide database from news reports covering the Czech Republic (<https://www.irsm.cas.cz/ext/sesuvy/>). The most recent database version was shared with the NASA’s Global Landslide Catalogue. Several Earcashing (Geocaching game) sites were maintained to educate the public about landslide processes and risks in the Czech Republic. This approach to public awareness about landslide risk was presented to the university students within the scope of the regular seminary of Citizen Science in Geography at the Ostrava University, Ostrava, the Czech Republic.

2) Statement of completion of the Project (15 lines maximum)

The landslide risk management is an ongoing effort to which the project brought several innovative approaches including the production of the first-ever public exhibition dedicated to landslide risk reduction in the Czech Republic, a series of short movies showing the experiences and personal histories of people affected by damaging landslide or knowledge sharing through Earthcaching game. Several scientific works showed a new, historical perspective on landslide risk assessment stressing the importance of the indirect damage to the post-disaster development and thus also the necessity of continuously updating our knowledge and approaches within the risk reduction cycle. Our effort to minimize landslide risk in the Czech Republic will continue focusing on regional and local administrative offices, which are legally responsible for risk management.

3) Beneficiaries of Project for Science, Education and/or Society (15 lines maximum)

The project beneficiaries include experts working for the local authorities, scientists, undergraduate students and the general public.

4) Results (15 line maximum, e.g. publications)

- Pavel Raška, Jiří Riezner, Michal Bil, Jan Klimeš (2023) Long-term landslide impacts and

adaptive responses in rural communities: Using historical cases to validate the cumulative causation approach. *International Journal of Disaster Risk Reduction*, 93, 103748

- Šimůnek, R., Klimeš, J. (2023) Medieval churches settlement structures: “Eccentrically” located village churches. *Historická geografie*, 49: 191 – 216.

Note:

- 1) If you will change items 2-7 from the proposal, please write the revised content **in Red**.
- 2) Please fill and submit this form to **ICL Network** <icl-network@landslides.org>
- 3) Reporting year must be one or two years (Maximum).