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| Date of Submission |  |
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## IPL Project Annual Report Form 2019

1 January 2018 to 31 December 2018

1. Project Title: **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

A. Monitoring and Early Warning, **B. Hazard Mapping, Vulnerability and Risk**

**Assessment**

(2) Targeted Landslides: Mechanisms and Impacts

A. Catastrophic Landslides, B. Landslides Threatening Heritage Sites

(3) Capacity Building

**A. Enhancing Human and Institutional Capacities**

B. Collating and Disseminating Information/ Knowledge

(4) Mitigation, Preparedness and Recovery

**A. Preparedness**, B. Mitigation, C. Recovery

3. Name of Project leader: Jan Klimeš, Ph.D.

Affiliation: Institute of Rock Structure and Mechanics Czech Academy of Sciences (IRSM CAS), researcher

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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)

4. Objectives: (5 lines maximum)

The main objective is to collect new data showing that it is important to manage landslide hazard 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 population.

5. Study Area: (2 lines maximum)

Most of the field works 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.

6. Project Duration (1 line maximum)

2015 – 2021

## 7. Report

### 1) Progress in the project: (30 lines maximum)

During the 2018 the project focused on awareness and dissemination activities in the Czechia. Their list is presented in the 2019 Annual Report of the WCoE entitled “Complex geomorphological and engineering geological research of landslides combined with assessment of adverse societal impacts”. Among the most promising activities belong Earthcaching and guided hiking tours. In both cases, groups of motivated citizens are brought to landslide sites where the landslide hazard and risk aspects are explained to them.

### 2) Planned future activities or Statement of completion of the Project (15 lines maximum)

We plan to publish a scientific article dedicated to case study of a village which has been destroyed by landslide in 1960' and was gradually abandoned due to economic reasons, but in the recent years the area is becoming popular for recreational and permanent building due to preserved natural environment which can possibly increase landslide risk. An exhibition focusing on a history of this village as well as visualization (video mapping) of landslide processes will be prepared. Landslide database of the Czechia based on the news reports (Google Alerts) will be complemented with expert assessment of the risk related to individual landslides.

### 3) Results: (15 line maximum, e.g. publications)

Klimeš J, Baroň I, Spitzer L (submitted) Overlooked positive aspects of landslides (in Czech). Vesmír

Klimeš J (submitted) Losses and damage caused by landslides in the Czech Republic (in Czech). Vesmír

Raška P, Klimeš J (2018/2019) Moving slopes (in Czech). Geografické rozhledy, 28, 14–17

Note: If you will change items 1)-6) from the proposal, please write the revised content **in Red**.

2) Please fill and submit this form by **30 March 2019** to **ICL Network** <[icl-network@iclhq.org](mailto:icl-network@iclhq.org)>