

IPL Project (IPL-Number) Annual Report Form

Period of activity under report
from 1 January 2021 to 31 December 2021

1. Project Number and Title:

IPL-254 Ukraine cultural heritage objects within landslide hazardous sites

2. Main Project Fields

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

(4) Mitigation, Preparedness and Recovery

A. Preparedness

3. Name of Project Leader

Oleksandr M. Trofymchuk, Grand Ph.D., Professor, Corresponding member of National Academy of Sciences of Ukraine

Affiliation: Director, Institute of Telecommunications and Global Information Space of National Academy of Sciences of Ukraine

Telephone: +38044 245 8797

Email: Trofymchuk@nas.gov.ua

Core members of the Project:

Iurii I. Kalyukh, Grand Ph.D., Professor, Chief Researcher, Institute of Telecommunications and Global Information Space of National Academy of Sciences of Ukraine;

Olesij G. Lebid, Ph.D., Senior Researcher, Vice-Director, Institute of Telecommunications and Global Information Space of National Academy of Sciences of Ukraine;

Viktoriia. P. Berchun, Scientific Researcher, Institute of Telecommunications and Global Information Space of National Academy of Sciences of Ukraine

4. Objectives (5 lines maximum)

The main goal is to certification of Ukraine cultural heritage objects within landslide hazardous sites: experimental and analytical research etc. on the example of the Kyiv-Pechersk Lavra. Objectives: certification of religious buildings of the Kyiv-Pechersk Lavra.

5. Study Area

The certification of religious buildings of the Kyiv-Pechersk Lavra within landslide hazardous sites.

Kyiv region.

6. Project Duration

January, 2020 – December 2022

7. Report

- 1) The methodology for certification religious buildings was developed.

This methodology was applied to the certification of religious building of the Kyiv-Pechersk Lavra , which is located on a landslide-prone slope.

- 2) Planned future activities or statement of completion of the Project (15 lines maximum)

We plan to certificate of religious buildings in Ukraine.

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

Kyiv-Pechersk Lavra;

Kyiv Pechersk District local authority and Kyiv town State Administration;

Ministry of Environmental Protection;

Institutions of National Academy of Sciences of Ukraine;

Environmental NGOs.

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

1. Repairing and Strengthening Measures on the St. Andrew's Church / F.Gennadiy, Y.Slyusarenko, V.Tytarenko, Y.Melashenko, A.Dvornyk, Y.Ischenko, V.Shuminskiy, N.Kosheleva, Y.Dombrovskiy, I.Kaliukh / – **2021**. – Concrete Structures: New Trends for Eco-Efficiency and Performance Proceedings for the 2021 fib Symposium. Eds: E. Júlio, J. Valença and A.S. Louro – P. 1184 – 1193. (*Scopus*)

2. Kaliukh, I., Ischenko, Y., Melashenko, Y. Green construction in the conditions of the restraint urban development, **2021**, pp.1-5, doi = "<https://doi.org/10.3997/2214-4609.20215K3037>", url = "<https://www.earthdoc.org/content/papers/10.3997/2214-4609.20215K3037>",European Association of Geoscientists & Engineers, issn = "2214-4609"(*Scopus*)

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 by **30 March XXX (nex year of the activity report)** to **ICL Network** <icl-network@iclhq.org>
- 3) Reporting year must be one or two years (Maximum).