

## IPL Project (IPL - 208) Annual Report Form 2017

**1 January 2016 to 31 December 2016**

1. Project Number: IPL- 208 Landslide disaster risk communication in mountain areas

2. Main Project Fields

Enhancing Human and Institutional Capacities

Collating and Disseminating Information/ Knowledge

Preparedness

3. Name of Project leader: Irasema Alcántara-Ayala

Affiliation: Institute of Geography, National Autonomous University of Mexico (UNAM), Full Professor

Core members of the project:

Ana Rosa Moreno, Faculty of Medicine, National Autonomous University of Mexico (UNAM) (expert on risk communication)

Ricardo Garnica-Peña, Institute of Geography, National Autonomous University of Mexico (UNAM)

4. Objectives:

- Developing a landslide risk communication strategy that can be applied at local level.
- Helping to induce landslide capacity building in the municipality of Teziutlán by incorporating landslide risk awareness and preparedness.
- Merging the efforts and capabilities of Civil Protection authorities and the community to implement a successful strategy of landslide risk communication.

5. Study area:

The municipality of Teziutlán, Puebla, México.

6. Project Duration: 2 years

7. **Report**

***Progress in the project:***

Different workshops with the community of Teziutlán were carried out to know the perception of risk of the people in terms of gender, group age, and location. Discussion was focused on the means of communication they have used previously in case on an emergency, and also the ones they would prefer to use in the future for potential landslide disasters. Important information was also provided in terms of the trust they have on the different social and institutional actors involved in disaster risk management. A collaboration was started with the Director of Civil Protection of the town and key actors of the community, including people who have work in mass media in recent years and have been involved with previous landslide episodes. Surveys of areas at risk of landslides were surveyed at a detailed scale by using a drone. Mapping and analysis of those tasks are in progress and will be included in the activities of this year.

### ***Planned future activities or Statement of completion of the Project***

This year we are planning to edit and publish an Atlas of factors contributing to landslide disasters in the municipality of Teziutlán, and also we would try to prepare a documentary on landslides for disaster risk communication. Survey of neighborhoods at risk will be continued by using a drone. Interaction with the community through public workshops also will take place along the year (before/during/after the rainy season).

### ***Beneficiaries of Project for Science, Education and/or Society***

The authorities of Civil Protection of the municipality and the inhabitants of municipality and the region.

### ***Results:***

Publications:

\* Hernández-Moreno, G., Alcántara-Ayala I. (2017) Landslide risk perception in Mexico: a research gate into public awareness and knowledge, *Landslides*, 14, 351–371.

\* Alcántara-Ayala I., Moreno, A.R. (2016) Landslide risk perception and communication for Disaster Risk Management in mountain areas of developing countries: a Mexican foretaste, *Journal of Mountain Science*, 13, 12, 2079–2093.

\* Alcántara-Ayala, I. (2016) On the multi-dimensions of Integrated Research on Landslide Disaster Risk, In Aversa, S., Cascini, L., Picarelli, L., and Scavia, C. (eds.), *Landslides and Engineered Slopes. Experience, Theory and Practice* CRC Press, Balkema, Taylor & Francis Group, 155–168. Volume 1.

Landslide Dynamics: ISDR-ICL Landslide Interactive Teaching Tools

\* Alcántara-Ayala I., Landslide risk perception

\* Alcántara-Ayala I., Landslide risk communication

Other activities:

Activities related to the preparation of the session Landslide and Society of the 4th World Landslide Forum Ljubljana, Slovenia, May 29 – June 2, 2017, have also been developed.