Progress Report Form of ICL Networks 2012

1. Project Title of Network: Landslide monitoring and community based early warning systems

2. Name of coordinators (Affiliation and emails)

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3. List of member organizations

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4. Progress report of activities up to 20 October 2012

1. Calibration and installation of equipments.
   Piezometers and extensometers were installed at San Andres neighborhood in the municipality of Teziutlán, Puebla to monitor slope conditions. Official kick off of activities took place in January 2012, with the support of local authorities and the community.

2. Installation of meteorological station
   In addition to the geotechnical equipment, also a meteorological station was installed to record precipitation at 15 minutes interval at San Andres neighborhood.

3. 1st stage of instrumentation and monitoring
   The first stage of instrumentation and monitoring was very successful and most importantly, it was possible to manage the participation of authorities to support the project. Information in real time is sent to the National Center for Disaster Prevention and to the Institute of Geography at UNAM in order to provide advice to the authorities in case of a potential landslide episode. Fortunately, during this period, landsliding has not caused major problems in the area.

4. Development of community workshop
   The first community workshop took place in Teziutlán in order to inform the population all the details concerning the landslide instrumentation and monitoring and the objectives of the actual project.

5. Identification of rainfall thresholds
   A series of preliminary analysis on rainfall have been conducted for the studied area, but still data collection is needed in order to establish rainfall thresholds for landsliding.

6. Risk perception analysis
   Literature review on risk perception has been undertaken in order to work on this issue in 2013.

7. Meetings with local and provincial authorities
Four meetings along the year have taken place in order to present the project to authorities and the community with very satisfying results.

8. Field campaigns with the participation of students
Two field campaigns were developed in order to involve students in the project, and selection of participants was made based on performance and interest on the topic.

9. Academic meetings
3 seminars have taken place to organize and review the progress of the project and experts from different fields have been invited.

5. Plan of future activities

We will continue working on evaluating the impact of landsliding in Mexico; the analysis of data derived from the instrumentation and monitoring of a hillside in a vulnerable community in Teziutlan, Puebla; and working towards the development of a community based warning system. This would be achieved by undertaking the following activities:

- Instrumentation and monitoring – follow up
- Development of community workshops
- Identification of rainfall thresholds
- Risk perception analysis
- Meetings with local and provincial authorities
- Academic meetings

Also would be very important to publish results in both, scientific journals and mass population media

6. Publication (in Landslides, proceedings, meeting reports, or WEB)

**Journals**


**Book chapters**


**Proceedings**