Progress Report Form of ICL Networks 2015

1. Title of Network:
   ICL Landslide Monitoring and Warning Network (LaMaWa TheN)

2. Name of coordinators:
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3. List of member organizations:
   Charles University, Faculty of Science, Department of Physical Geography and Geocology, Czech Republic
   Comenius University, Faculty of Natural Sciences, Department of Engineering Geology, Bratislava, Slovakia
   Croatian Landslide Group from Faculty of Civil Engineering, University of Rijeka, Croatia & Faculty of Mining, Geology and Petroleum Engineering, University of Zagreb, Croatia
   Forestry and Forest Product Research Institute, Tsukuba, Japan
   Gadjah Mada University, Faculty of Engineering, Department of Civil and Environmental Engineering, Yogyakarta, Indonesia
   Geological Survey of Slovenia, Ljubljana, Slovenia
   Geo-Tools, NGO, Zdíby, Czech Republic
   Kokusai Kogyo Co., Ltd., Tokyo, Japan
   Public Works Department of Malaysia, Slope Engineering Branch, Kuala Lumpur, Malaysia
   University of Florence, Department of Earth Sciences, Italy
   University of Ljubljana, Faculty of Civil and Geodetic Engineering, Ljubljana, Slovenia
   University of Niigata, Research Center for Natural Hazards & Disaster Recovery, Niigata, Japan.
4. Progress report of activities up to 31 December 2015

The numerous cooperation within the Landslide Monitoring and Warning Network were established but no overall Network activity such as thematic conference, workshop or meeting was accomplished in 2015. The high number of the Network members at the same time represents strength and the weakness of the Network: a strength in high number of scientist involved in landslide monitoring technics and early warning methods; a weakness in differences in wide range of landslide monitoring techniques and different research interest of the Network members. The members of the Network were very active in presentation of their activities at scientific conferences, congresses and workshops around the world where the topics of the Network had an important role in landslide science.

The main activity of the Landslide Monitoring and Warning Network Coordinators was production of the action plan to intense the activity and to establish real network cooperation in the frame of ICL. The main activities encompassed in action plan are the following:

1. Preparation the Questionnaire that will be sent to all ICL member organizations (not only to Network members organizations) related to the monitoring and early warning of landslides. The Questionnaire contents the following questions: landslide(s) with established monitoring and/or early warning system, position of landslide(s), monitoring technique (geotechnical, geodetical, remote sensing), used monitoring equipment, web site (if exists), project (if it part of a project), related papers and reports.

2. Establishing the Landslide Monitoring Database. The Landslide Monitoring Database will be established based on results Questionnaire. The Landslide Monitoring Database will be uploaded to the ICL IPL web and will be consisted of i)Landslide Monitoring web map; ii)Landslide monitoring descriptions and iii)Landslide monitoring related documents (reports, description of equipment, etc.). Landslide Monitoring web map will be linked to landslide monitoring system descriptions; web sites of particular monitoring systems (if they exist); web sites of the project related to landslide monitoring systems (if they exist) and to landslide monitoring related documents. Landslide monitoring descriptions will be linked to web sites of particular monitoring systems (if they exist); web sites of the project related to landslide monitoring systems (if they exist), to landslide monitoring related documents and to the web sites of monitoring equipment industry.

3. Establishing the Landslide Monitoring related papers database. The Landslide Monitoring related papers database will collect all papers related to existing Landslides Monitoring systems in the Database in the form of full text papers from Landslides Journal and WLF1 to WLF3, and link to the other journals, conference proceedings, websites and books.

4. Preparation of Landslide Monitoring brochure with presentation of proposed Landslide Monitoring Database.

5. Invitations of scientists and researcher from ICL and non-ICL organizations to contribute to the WLF4 in Ljubljana with manuscripts in the field of landslide monitoring and early warning system sections.
5. Plan of future activities

The activities will follow previously described action plan to intensify the activity and to establish real network cooperation in the frame of ICL Landslide Monitoring and Warning Network:

1. Distribution of Questionnaire related to the monitoring and early warning of landslides and data collection (March and April 2016)

2. Data processing and preparation for establishing of Establishing the Landslide Monitoring Database and Landslide Monitoring related papers database (April to September 2016)

3. Establishing the Landslide Monitoring Database and Landslide Monitoring related papers database (September to December 2016)

4. Preparation of Landslide Monitoring brochure (December 2016 to April 2017)

5. Invitations of scientists and researcher from ICL and non-ICL organizations to contribute to the WLF4 in Ljubljana in May 2017 (February 2016 to May 2017).

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

The members of the Network were very active in presentation of their activities at scientific conferences, congresses and workshops around the world. The huge number of manuscript related to Network topics were published during 2015.