

**INTERNATIONAL CONSORTIUM ON LANDSLIDES – INTERNATIONAL PROGRAMME ON LANDSLIDES**

**ISDR – ICL SENDAI PARTNERSHIPS 2015-2025 UPDATE**

**REPORTING PERIOD: 2015 – 2016**

*All reports are compiled in a report from ICL and submitted to 2017 Global Platform for Disaster Risk Reduction (22-26 May 2017 in Cancun Mexico) and also the Fourth World Landslide Forum (30 May to 2 June 2017 in Ljubljana, Slovenia). Reporting unit can be A: ICL member/WCoE/IPL/UNESCO Chair, B: Regional/Thematic Network, C: ICL Headquarters/Committee).*

**SENDAI PARTNERSHIPS INITIAL COOPERATION FIELD #1: Development of people-centered early warning technology for landslides with increased precision and reliable prediction both in time and location, especially in a changing climate context**

**NAME OF UNIT:** Geological Survey of Canada (ICL Member)

**SUMMARY OF ACHIEVEMENTS FOR INITIAL COOPERATION FIELD #1:**

- 1 – Signed 4 year MOU agreement for funding between GSC and Transport Canada for landslide monitoring
- 2 – Purchased a variety of field based landslide monitoring equipment for deployment at Ripley Landslide
- 3 – Initiated new multi-sector project on landslide monitoring of Canadian landslide in British Columbia
- 4 – Completed guidelines and best practices for landslide study in Canada
- 5 – Participated in international events, meetings and membership on landslides

**KEY OUTPUTS:**

- 1 – Workshop organized for the public on landslide monitoring (Nov 2015) in Ashcroft, BC, Canada
- 2 – Technical workshop organized in Baoding, China on landslide monitoring (March 2016)
- 3 – Published 10 GSC Open Files on Landslide Guidelines and Best Practices
- 4 – Attended ICL/BOR in Paris, France (Nov. 2016)
- 5 – Published 3 journal articles, 2 Open Files and 2 Conference Proceedings

**KEY OUTCOMES:**

- 1 – Increased public awareness about landslide threats and mitigation through workshop
- 2 – Reduced risk from landslide hazards to railways by deploying real time landslide monitoring equipment
- 3 – Improved the quality of performance by professionals who are adopting the guidelines and best practices
- 4 – Increased the education of students at the University of Alberta through theses on Ripley Landslide
- 5 – Political awareness about landslides increased through international and national multi sector collaboration

**RELEVANT URL LINKS FOR THIS REPORT:**

- 1 – Guideline example [http://ftp.maps.canada.ca/pub/nrcan\\_rncan/publications/ess\\_sst/299/299117/of\\_8114.pdf](http://ftp.maps.canada.ca/pub/nrcan_rncan/publications/ess_sst/299/299117/of_8114.pdf)
- 2 – University of Alberta landslide research cooperation <http://carrl.ca/>
- 3 – ICL participation <http://iplhq.org/icl/wp-content/uploads/2016/11/D1-Schedule-of-UNESCO-Conference-2016.11.15-18-16.11.8-version.pdf>

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