



# Association Report 2017

May 2018

**ecorisQ.**

International association for natural hazard risk management  
[www.ecorisq.org](http://www.ecorisq.org)

# Key information

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## Revenue

(CHF)

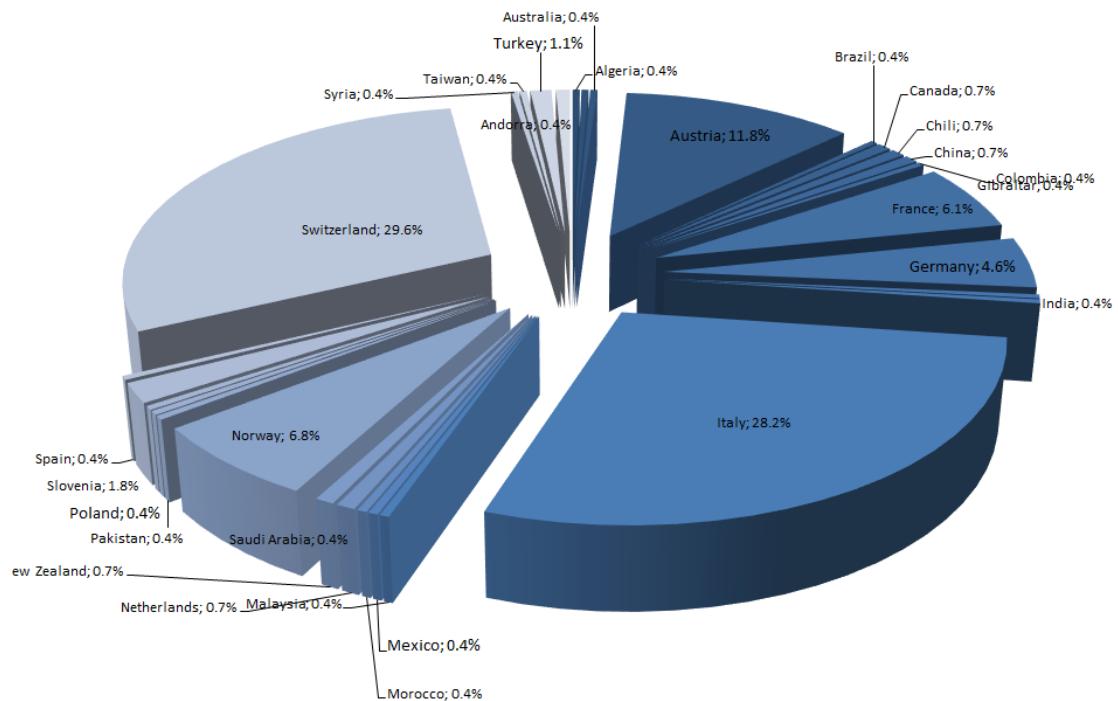
2017	48'033
2016	36'228
2015	36'102
2014	52'182

## Nr. of members / member organisations

(-)

2017	207
2016	217
2015	190
2014	175

## Countries of members



## Member types

	<u>2017</u>	<u>(2016)</u>
Private sector	63%	(60%)
Universities / schools	21%	(19%)
Research institutes	5%	(8%)
Administration	8%	(7%)
Other (non-professionals, NGO, ...)	3%	(6%)

# Our goal

To promote sustainable protection against natural hazard risks by bringing together science and practice for the development and dissemination of transparent tools for natural hazard and risk analyses.

# Our activities

- creating an international network for natural hazard risk management experts
- stimulating exchange of knowledge and dissemination of innovative transparent tools
- initiating and participating in research, technology or development projects
- standardising methodologies and assisting in respective international debates

# Our Q

- Quality – we aim for standards of high professionalism
- Quantified – we work on the basis of facts and sound scientific knowledge
- Quartermaster – we provide and explain inventive tools
- Quaternary – we cover short and long time scales, but also small and large areas

## Activities 2017

### Tool development

The landslide disposition analysis tool SOSlope has been released in 2017. The manual for SOSlope is online and the tool is operational. Further, we continued working on SlideforMAP so that a first release can be made available in 2018. SlideforMAP is a distributed stochastic limit equilibrium landslide susceptibility model, which can be used for a regional analysis of shallow landslide disposition. In contrast to many existing infinite slope method based models, the force equation is not calculated on a pixel basis, but for each set of pixels belonging to a large number of randomly created landslides (min. 10'000), with a stochastic location and size.



Railway between Chambéry and Lyon endangered by a shallow landslide (June 2018; photo: DR SNCF)

### Training courses

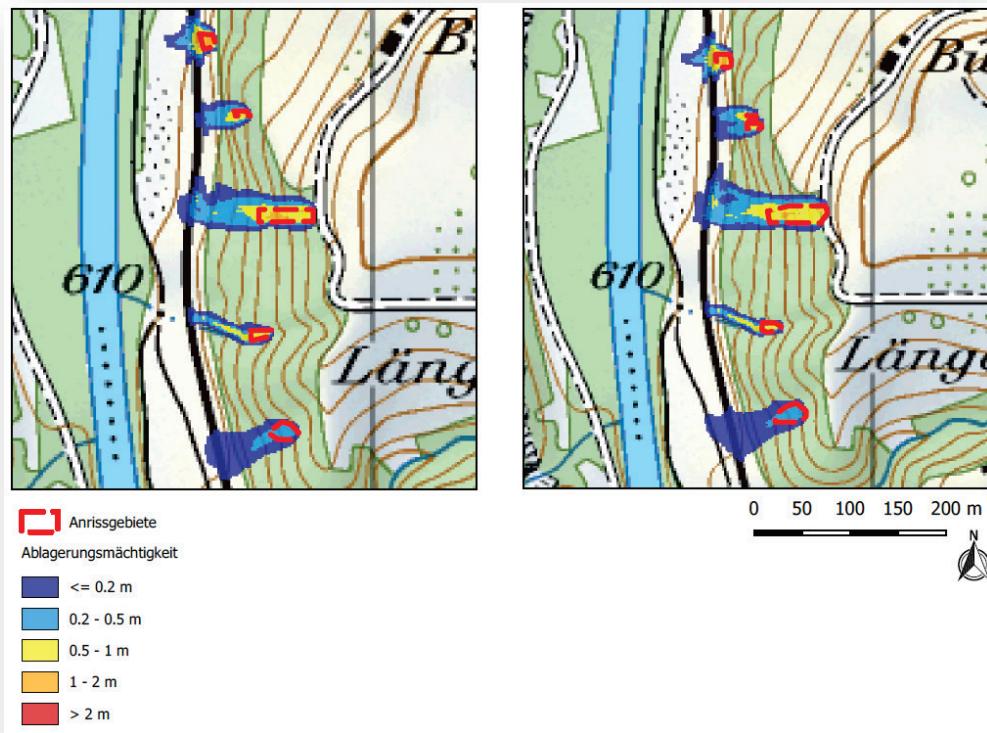
On 16 and 17 May 2017, we organised a two-day training course on the 3D rockfall trajectory simulation tool Rockyfor3D in the region of Lausanne (Switzerland). In total, 12 persons from Switzerland, Austria and France participated in the course.

### Communication and representation

Communication with the members, mainly concerning questions on the tools, still represented a major activity in 2017. To facilitate the communication on the daily use of ecorisQ tools, we developed a forum on the website [www.ecorisq.org](http://www.ecorisq.org); The FAQ section must be developed still.

## The coming years ...

In 2018, ecorisQ aims to release the first version of SlideforMAP, a tool which allows predicting the disposition of shallow landslides at regional scale. In addition, we are proceeding the development of a modelling tool that simulates the runout zone of shallow landslides, as well as its kinematics (deposit height – see image below - and flow pressure). We hope to be able to provide a realistic, robust and user-friendly tool in 2019. Together with the BFW in Innsbruck, we envisage to release Zemokost, a tool for runoff prediction in mountain catchments. Under discussion are the development of a new energy line tool, based on a new methodology of IRSTEA (Grenoble) and a 2D rockfall modelling tool for rockfall dams (also developed by IRSTEA Grenoble), which can be easily coupled with Rockyfor3D.



Budget (in CHF)	Result 2015	Result 2016	Result 2017	Planning 2018
Association affairs: General Assembly	2'765	0	0	15'000
Association affairs: Travel & representation costs	4'419	1646	2'393	12'500
Association affairs: Registration / memberships	245	5'134	626	1'000
Association affairs: Hardware/Software	0	0	0	0
Association affairs: Copy/printing costs	0	0	0	0
External mandate: Association administration	7'147	8'783	12'600	12'500
External mandate: PR & communication	1'142	0	0	2'500
External mandate: Training courses	403	4'308	7'786	6'000
External mandate: Translation manual	0	0	0	0
External mandate: R&D projects	6'848	10'998	8'936	15'000
External mandate: Website development	0	6'396	5'413	1'000
External mandate: Website hosting	143	1'002	0	500
Bank charges	158	70	92	100
Other	0	0	0	0
<b>Total expenses</b>	<b>23'269</b>	<b>38'337</b>	<b>37'846</b>	<b>66'100</b>
Membership contributions	31'543	36'228	42'293	45'000
Projects	0	0	0	0
Meeting registrations	1'110	0	0	7'500
Funding/subsidies/donations	0	0	0	0
Training courses	3'449	0	5'740	6'000
Sponsoring	0	0	0	0
<b>Total income</b>	<b>36'102</b>	<b>36'228</b>	<b>48'033</b>	<b>58'500</b>
Total expenses	23'269	38'337	37'846	66'100
Total income	36'102	36'228	48'033	58'500
Reserve preceding year	16'889	29'722	27'613	37'800
<b>Net result</b>	<b>29'722</b>	<b>27'613</b>	<b>37'800</b>	<b>30'200</b>

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Title:

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Images:

Luuk Dorren (p. 2 and 4)

DR SNCF (p. 3)



The web version of this report is available at:

[www.ecorisq.org/ecorisq-reports](http://www.ecorisq.org/ecorisq-reports)