

LandAware workshop 2022

3-5 October, 2022, Zürich/Birmensdorf, Switzerland

Workshop program:

Monday 3 October 2022, 08:45-12:30

Intro, panel discussion, invited presentations

Start	End	What
08:45	08:50	Welcome address by Manfred Stähli (WSL, Switzerland)
08:50	09:00	LandAware network by Michele Calvello (UNISA, Italy)
09:00	10:45	Presentations on LEWS
	(15')	How to deal with shorth summer convective rainfalls and big storms by Graziella Devoli (NVE, Norway)
	(15')	Assessment of rainfall-induced landslides hazard at regional scale – BGS experience through the natural hazards partnership by Nikhil Nedumpallile Vasu (BGS, UK)
	(15')	Development of Data-Driven LEW Thresholds for Slow Moving Landslides in Western Canada by Richard Carter (BGC Consulting, Canada)
	(15')	Landslide forecasting: an Italian experience along the national railway infrastructure by Silvia Peruccacci (CNR-IRPI, Italy)
	(15')	LHASA Rio: a local LEWS based on NASA's global landslide hazard assessment model by Felipe Mandarino (City of Rio, Brazil)
	(15')	Landslide Early Warning System: Some technical remarks from Japan by Hiroaki Nakaya (NILIM, Japan)
	(15')	Local LEWS in Indonesia By Andy Subiyantoro (Indonesia)
10:45	11:15	Coffee break
11:15	12:30	PANEL: Warnings for natural hazards Moderated by Stefano Luigi Gariano (CNR, Italy)
		<u>Invited organizations and panelists</u> <ul style="list-style-type: none"> • UCL Warning Research Center (UK): Carina Fearnley • MeteoAlarm: Rainer Kaltenberger • Japan Meteorological Agency: Yano Atsuhisa

Monday 3 October 2022, 12:30-14:00

LUNCH

Monday 3 October 2022, 14:00-17:00

Activities of Working Groups

Start	End	What
14:00	15:30	LandAware WGs (part 1) chaired by Luca Piciullo (NGI, Norway)
	(30')	WG1: Glossary and catalog of LEWS (Graziella Devoli, NVE, and Hiroaki Nakaya, NILI)
	(10')	WG2: Communication-Networking (Stefano Gariano, CNR)
	(15')	WG3: Communication with stakeholders (Katy Freeborough, BGS; and Joanne Robbins, Met Office)
	(20')	WG4: Single slide fact-sheets, online educational resources (Michele Calvello, Uni Salerno)
	(15')	WG5: Innovations in LEWS (Manfred Stähli, WSL)
15:30	15:45	Coffee break
15:45	17:00	LandAware WGs (part 2) chaired by Stefano Luigi Gariano (CNR, Italy)
	(15')	WG6: LEWS data (Dalia Kirschbaum, NASA)
	(15')	WG7: Operational LEWS (Graziella Devoli, NVE)
	(15')	WG8: IoT-based monitoring and warning (Luca Piciullo, NGI)
	(30')	Final discussion
17:00		Closure of first workshop day

Monday 3 October 2022, evening

Individual program (self-organized by participants)

Tuesday 4 October 2022, all day

Excursion to Napf-region (Emmental)

Start	End	What
07:45		Departure from Hotel Neufeld (Zürich Goldbrunnenplatz)
07:50		Departure from WSL Birmensdorf (Main entrance)
09:15	09:45	Arrival at Wasen i E. (Field site), Coffee and croissants
09:45	10:45	Presentation of in-situ soil moisture measurements for LEWS Three groups à ~15 persons (a) Intro to the topic and site [Manfred Stähli, WSL]; (b) measurement set-up and operation [Armin Dachauer, WSL; Tobias Halter, ETHZ/WSL], (c) findings/results from 4 years of measurement [Adrian Wicki, WSL/Federal Office of the Environment]
10:45	11:15	Transfer to Restaurant Lüderenalp (Bärnsicht)
11:15	12:00	Intro to the upcoming Swiss National LEWS Background; organizational embedding; planning and development of the new LEWS; major challenges; time line; anticipated products [Hugo Raetzo, Adrian Wicki, Federal Office of the Environment FOEN]
12:00	14:00	Lunch and walk with opportunity for informal discussions
14:00	14:40	Presentations: Pilot-Study Napf for Swiss National LEWS (Tobias Halter, ETHZ/WSL; Adrian Wicki, FOEN)
14:40	15:30	Examples of local LEWS in Switzerland (M. Carrel, S. Stähely, Geoprevent)
16:00	18:00	Departure and travel back to Zürich-Uitikon [workshop dinner location]



18:00		Workshop dinner at Bistro Spilhöfler (Uitikon) Afterwards: Individual return by public transport to Hotels in Zurich
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Wednesday 5 October 2022, 9:15-12:15

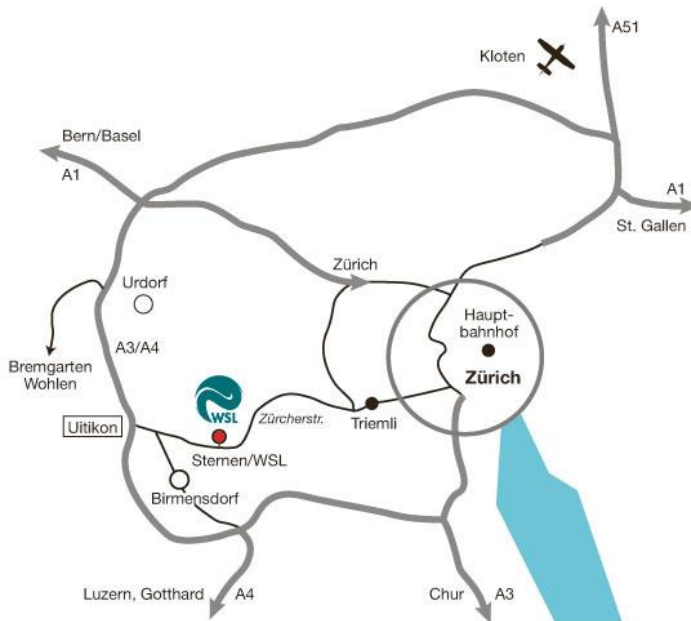
Opening invited lecture, LEWS issues and future of LandAware

Start	End	What
09:15	09:45	Opening invited lecture by early career scientist Incomplete landslide inventory data: When is it a problem and what can we do with it? by Lisa Luna (University of Potsdam, Germany)
09:45	10:45	Open discussion: Critical issues, challenges, and problems in daily operations Moderated by Graziella Devoli (NVE) and Katy Freeborough (BGS) Interactive session
10:45	11:00	Coffee break
11:00	12:00	Open discussion: Outlook: LandAware 2023+ Moderated by Michele Calvello (Uni Salerno) Future milestones, way forward, organizational issues, feedback from the participants
12:00	12:15	Closure by Manfred Stähli (WSL, Switzerland)
12:30		(optional) Lunch at WSL restaurant

Workshop location:

Swiss Federal Research Institute WSL, Zürcherstrasse 111, 8903 Birmensdorf (~2 km outside Zürich)

How to get there: <https://www.wsl.ch/en/about-wsl/events/details/landaware-workshop-2022.html#tabellement1-tab1>



Bus-Transfer from Zurich downtown to WSL Birmensdorf (Monday and Wednesday):

Yellow **post-bus No. 350** from **Zürich, Bahnhof Wiedikon** (direction to Berikon-Widen) departure **hh:18 am.** or **hh:48 am** with stops at Zürich Goldbrunnenplatz (Hotel Neufeld) and Zürich, Triemli, arriving in **Birmensdorf, Sternen/WSL** at hh:32 am. or hh:02 am.

Workshop registration:

Binding registration for on-site participation: by **15 August, 2022** at <https://www.wsl.ch/en/about-wsl/events/details/landaware-workshop-2022.html>

Workshop participation, excursion and workshop lunches are free of charge.

Travel to Switzerland and to the conference site, accommodation and workshop dinner will be at the expense of the participants.

Registration for online participation: by 22 September (for receiving the corresponding link to the online session, as well as for additional workshop material/info)

Accommodation:

All participants will be asked to make their own hotel reservation. [List of recommended hotels](#)

Questions / contact

Updated info related to the workshop will be published at <https://www.wsl.ch/en/about-wsl/events/details/landaware-workshop-2022.html>

Do you have specific questions or suggestions to the organizers? Please contact landaware.workshop@wsl.ch

Further info on LandAware

News, blogs and info on working groups and membership can be found at www.landaware.org