

## SESSION NH 6.3 Unmanned Aerial Vehicles (UAV) for Natural Hazards Characterization and Risk Assessment

We decided to propose an online web meeting using the WEBEX platform.

The link to participate to the meeting is the following:

<https://trialcnrirpi.webex.com/trialcnrirpi/j.php?MTID=ma799e3fe9bad1d36a1ef1a0094573590>

PSW: EPsqQ3Yvt29

We will also check the EGU chat to assure that everybody can participate to the session discussion, using Webex or the chat.

We have scheduled **10 minutes** for each contribution, and we want to allow presenting to every uploaded presentation. Each presenter will have **7 minutes** to show her/his slides. The other participants will be allowed to post questions or comments on the **chat of Webex**. The presenter will be allowed to spend the remaining **2 minutes**, answering the first (1 or 2) questions posted on the chat. Conveners also follow the EGU chat to be sure that all posed question would be considered.

Given the high number of presentations, **we will need to be very strict on the schedule!** You will have the chance to further discuss with your peers after this session if needed.

Abstract ID	Title / author(s)	Online web presentation
<a href="#">EGU2020-124</a> ESTS granted	UAV Based Multi-Hazard Vulnerability Assessment System for Bridges Exposed to Scour <b>Okan Özcan</b> and Orkan Özcan	16.15
<a href="#">EGU2020-17124</a> <sup>ECS</sup>	Integrated Environmental Monitoring of AMD Affected Waters using Hyperspectral Imaging and In-situ Analytics	16.25

Abstract ID	Title / author(s)	Online web presentation
	<b>Hernan Flores</b> , Sandra Lorenz, Robert Jackisch, Laura Tusa, Cecilia Contreras, and Richard Gloaguen	
<a href="#">EGU2020-7669</a>	Integration of point clouds from UAV photogrammetry and laserscan survey for the assessment of the risk of collapse of the vault of an underground cavity <b>Daive Martinucci</b> , Simone Pillon, Annelore Bezzi, Giulia Casagrande, Giorgio Fontolan, Michele Potleca, Fiorella Bieker, Antonio Bratus, Paolo Manca, Rita Blanos, and Paolo Paganini	16.35
<a href="#">EGU2020-21880</a> <sup>ECS</sup>	Landslide and Rockfall failures Characterization with Object-Based 3D Analysis <b>Efstratios Karantanellis</b> , Vassilios Marinos, and Emmanouel Vassilakis	16.45
<a href="#">EGU2020-22574</a> Public interest	Geohazard assessment of mass movements along railroad corridors with UAV LiDAR <b>Donna Delparte</b> , Zachery Lifton, and Matthew Belt	16.55
<a href="#">EGU2020-7037</a> <sup>ECS</sup>	Recent geomorphic destabilization of mountain slopes, a possible link to climate change? Two case studies from Switzerland <b>Hanne Hendrickx</b> , Reynald Delaloye, Jan Nyssen, and Amaury Frankl	17.05
<a href="#">EGU2020-9906</a> Public interest	UAV observation of the recent evolution of the Planpincieux Glacier (Mont Blanc – Italy) Daniele Giordan, Niccolò Dematteis, and <b>Fabrizio Troilo</b>	17.15
<a href="#">EGU2020-17806</a> <sup>ECS</sup>	Investigating and quantifying the uncertainty beyond the stability analysis of high unstable fractured rock cliff by Remote Piloted Aerial System (RPAS)-based Digital Photogrammetry: the example of the Gallivaggio landslide <b>Niccolò Menegoni</b> , Daniele Giordan, and Cesare Perotti	17.25
<a href="#">EGU2020-19748</a>	The use of UAV data for environmental monitoring of the coastal area of Lake Sevan, Armenia under the increase in water level Andrey Medvedev, <b>Natalia Telnova</b> , Natalia Alekseenko, and Alexander Koshkarev	17.35
<a href="#">EGU2020-22013</a> <sup>ECS</sup>	Mapping of high-elevation alpine grassland communities based on hyperspectral UAV measurements <b>Levente Papp</b> , Abraham Mejia-Aguilar, Ruth Sonnenschein, Rita Tonin, Michael Loebmann, Clemens Geitner, Martin Rutzinger, Andreas Mayr, and Stefan Lang	17.45
<a href="#">EGU2020-8468</a> <sup>ECS</sup>	From UAV-photogrammetry to displacement rates – monitoring slope deformations in Alpine terrain <b>Christian Demmler</b> , Marc Adams, and Anne Hormes	17.55

Abstract ID	Title / author(s)	Online web presentation
<a href="#">EGU2020-18030</a> <sup>ECS</sup>	A novel application of Unmanned Aerial Systems (UASs) in alpine environment for monitoring gravity-driven natural hazards: BLUESLEMON project <b>Alex Bojeri</b> , Giovanni Giannotta, Christian Kofler, Erika Mai, Sebastian Mayrguendter, Gabriele Scarton, Stefano Seppi, Stefan Steger, and Fulvia Quagliotti	18.05