



Schweizerisches Talsperrenkomitee
Comité suisse des barrages
Confederazione Svizzera
Comitato svizzero delle dighe
Swiss Committee on Dams



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Federal Office of Energy SFOE

IMPLEMENTATION OF DRONES IN THE SURVEILLANCE OF DAMS

Wednesday, November 9th, 2022

METAS Institute, Köniz



The SwissDams Dam Surveillance Working Group is pleased to invite you to the workshop entitled "IMPLEMENTATION OF DRONES IN THE SURVEILLANCE OF DAMS".

The workshop addresses the use of drones in professional practice. In addition to presentations of work on existing dams, there will be a hands-on demonstration of structure inspection using drones.



Registration

Registration until November 4th, 2022
via [swissdams.ch](https://www.swissdams.ch)

Once your electronic registration is complete, an invoice will be sent to you for the selected services. Your enrollment will not become final until the invoice is paid.



Location of the Workshop

METAS - Federal office of Metrology
Lindenweg 50
3003 Köniz
Switzerland



Organisation

<i>Program</i>	SwissDams Dam Surveillance Working Group
<i>Logistics</i>	METAS, Köniz
<i>Practical demonstration</i>	ACES Global Quality Services S.p.A.

Speakers

Prof. Dr. Stephan Nebiker
Fachhochschule Nordwestschweiz, Muttenz
Rico Breu
GEOINFO Vermessungen AG, Wattwil
Gebhard Merk
Schällibaum AG, Wattwil
Andrea Balestra
SwissDams and Lombardi SA, Bellinzona-Giubiasco
David Marty
IGemetris Technologies SA
Samuel Stamm
Schneider Ingenieure AG, Chur
Declan Kelleher
Gruner Stucky SA, Renens



Workshop Program

09:30	Welcome address R. Leroy (<i>Alpiq</i>)
09:35	Presentation of the METAS Institute J. Niederhauser (<i>METAS</i>)
09:50	Introduction and theoretical basis S. Nebiker (<i>FHNW</i>)
10:10	Overview on the legislative context R. Breu (<i>GEOINFO Vermessungen AG</i>) & G. Merk (<i>Schällibaum AG</i>)
10:30	Coffee break
10:50	Practical Demonstration L. Triangeli (<i>Aces Global Quality Services S.p.A.</i>)
12:00	Lunch break During the lunch break, there will be guided tours for small groups at the METAS Institute
13:30	Case Study Presentation: The creation of flight plans for dams including drone guidance using total stations David Marty (<i>IGemetris</i>)
13:55	Case Study Presentation: The use of drone-based deliverables for dam monitoring Samuel Stamm (<i>Schneider Ingenieure AG</i>)
14:20	Case Study Presentation: Evolution of drone application and surveying techniques for domestic and international projects Andrea Balestra (<i>SwissDams/Lombardi</i>)
14:45	Case Study Presentation: The use of drones for the feasibility design of a dam and hydropower plant rehabilitation project in Tajikistan Declan Kelleher (<i>Gruner Stucky SA</i>)
15:10	Coffee break
15:40	Discussion of the presented case studies
16:00	Presentation of the results of the Practical demonstration
17:00	End of the workshop