



# The 20<sup>th</sup> General Assembly of the European Avalanche Warning Services

12-14 June 2019

Middelthuns gate 29,

Oslo, Norway

Hosted by the  
Norwegian Water Resources  
and Energy Directorate

- Share new ideas
- Share best practices
- Develop and improve standards
- Forge collaboration
- Understand future user needs



Web: [www.varsom.no/EAWS](http://www.varsom.no/EAWS)

Other resources:

[www.varsom.no](http://www.varsom.no), [www.nve.no](http://www.nve.no)

[www.visitoslo.com](http://www.visitoslo.com), [www.visitnorway.com](http://www.visitnorway.com)

[www.osl.no](http://www.osl.no), [www.ruter.no](http://www.ruter.no), [www.flytoget.no](http://www.flytoget.no)

*Updated 07.06.2019*



## Wednesday 12<sup>th</sup> June 2019

13:00 Registration w/wraps

### Session 1: Moderator Ragnar Ekker

14:00 Opening (Johnsrud, Sande)

14:20 Chair's Report (Engeset)

14:40 Coordinator's Report (Stucki)

15:00 Break

### Session 2: Moderator Markus Landrø

15:30 Working Group 1 Report (Müller)

16:10 WG 2 Report (Mitterer (Morin))

16:30 WG 3 Report (Studeregger, Jaedicke)

16:50 Com. Task Force Report (Engeset)

17:00 Avalanche Problems (Zweifel)

17:15 Break w/coffee/tea

*Time to mount posters*

### Session 3: Moderator Heidi B. Stranden

17:45 Member Committee Report (Schweizer)

17:55 Language Task Force Report (Diggins)

18:00 US Report (Greene)

18:15 CA Report (Klassen)

18:30 Ice-breaker with Kahoot (Müller) Cantina

19:00 Dinner in Cantina

## Thursday 13<sup>th</sup> June 2019

08:30 Posters (one per AWS, A0)

### Session 4: Moderator Emma J. Barford

09:00 Proposals for new workgroups

09:30 New forecasting tools

- Avalanche.report (Mitterer, Lanzanasto)

- regVarsel (Kosberg, Müller)

- Avid (Klassen)

11:00 Lunch, walk in Vigeland park w/guides

### Session 5: Moderator Solveig Ø. Kosberg

13:00 New forecasting tools cont.

- Varsom Regobs (Ekker, Aasen)

- Quantifying contributing factors of danger scale: snowpack stability, its spatial distribution and avalanche size (Techel)

- Checklist for forecasting (Rastelli)

- New avalanches.org (Lanzanasto)

15:00 Break w/coffee/tea

### Session 6: Moderator Thomas Stucki, R. Engeset

15:30 Voting results (e-voting closes at 13:00)

- Chair, Coordinator, Host GA 2021

- TAB proposals & members, Workgroups

- New members, Membership committee

16:30 Posters

18:00 Buss trip to Fram

18:20 Polar evening at Fram Museum/Restaurant

## Friday 14<sup>th</sup> June 2019

### Session 7: Moderator Jostein Aasen

08:30 New user tools and needs

- Skitourenguru (Schmudlach, Köhler)

- What experts use (Landrø)

- Perspectives for future avalanche forecasting (Semmel, Reuter)

- Impact (Haegeli)

11:30 Future

- Speakers corner (anyone)

- New Chair and Coordinator

12:00 End w/wraps

## 66 registered participants

Name	Avalanche Warning Service	Role
Rune Engeset	NVE	I will be voting on behalf of my AWS, Chairman
Alberto Blanco Sequeiros	Finnish Meteorological Institute	I will be voting on behalf of my AWS, I am member of TAB
Norbert Lanzanasto	Tirol	Communication Task Force
Christoph Mitterer	Avalanche Warning Service Tirol	I am member of TAB
Christian Jaedicke	NGI	I am member of a working group
Mark Diggins	Scottish Avalanche Information service	I will be voting on behalf of my AWS, I am member of TAB
Thomas Feistl	Bavaria	I will be voting on behalf of my AWS, I am member of a working group
Arnold Studeregger	Styria and Lower Austria	I will be voting on behalf of my AWS, I am member of TAB
Tomás José Gutiérrez Co	AEMET	I will be voting on behalf of my AWS
petter palmgren	Sverige Lavinprognostjänsten	I am member of a working group
Per-Olov Wikberg	SWEDEN	Observer forecasting service
Mauro Valt	Avalanche Center Arabba - Italy	Old Avalanche Forecaster, observer for Italis ski instructors (COLL.NAZ-Eurosicurtié)
Stephen Holeczi	Parks Canada - Banff/Yoho/Kootenay National Parks	Parks Canada forecaster
Schmudlach, Günter	<a href="http://www.skilounguru.ch">www.skilounguru.ch</a>	Speaker on Friday 14. June
Karl Klassen	Avalanche Canada	Visiting delegate from Canada
Fabiano Monti	Livigno Avalanche Centre	I am member of TAB
Ethan Greene	Colorado Avalanche Information Center	guest
Stucki Thomas	Avalanche Warning Service Switzerland, SLF	I will be voting on behalf of my AWS, Coordinator
Aleš Poredoš	ARSO meteo - Slovenian Environment Agency	I will be voting on behalf of my AWS
Benjamin Zweifel	WSL Institute for Snow and Avalanche Research SLF	I am member of TAB, I am member of a working group
Johan Larsson	Svenska försvarsmakten	Observer
Konopka, Piotr	TOPR (Tatra Mountain Rescue Service)	I will be voting on behalf of my AWS
Udo Dorian RECKERH	Romania	I will be voting on behalf of my AWS
Guillem Martín	Andorran weather and avalanche warning service	I will be voting on behalf of my AWS, I am member of a working group
Toni Molné	Andorran weather and avalanche service	I am member of a working group
Pavel Krajičí	Slovakia	I am member of a working group
Marek Biskupič	Slovakia	I am member of TAB
Vincenzo Romeo	METEOMONT CARABINIERI	I will be voting on behalf of my AWS, I am member of a working group, Head Meteomont Carabi
Francesca Rastelli	METEOMONT CARABINIERI	I am member of a working group,
Lorenzo Bertranda	METEOMONT CARABINIERI	I am member of a working group
Wilfried Ertl	Carinthia / Kaernten	I will be voting on behalf of my AWS
Marcin Witek	TOPR	I will be voting on behalf of my AWS
Hagenmuller	Meteo-France	I will be voting on behalf of my AWS
Jakub Radliński	GOPR Poland	I will be voting on behalf of my AWS
Glòria Martí	ICGC Institut Cartogràfic i Geològic de Catalunya	I will be voting on behalf of my AWS, I am member of a working group, Membership comitee
Solveig Kosberg	Norwegian Avalanche Warning Service	participant
Jostein Aasen	NVE / varsom.no	Speaker Thursday
Jürg Schweizer	WSL Institute for Snow and Avalanche Research SLF	Chair Membership Comittee
Guillem Martín	Andorran weather and avalanche warning service	I will be voting on behalf of my AWS, I am member of a working group
Toni Molné	Andorran weather and avalanche warning service	I am member of a working group
Jordi Gavaldà Bordes	Conselh Generau d'Aran. Aran Avalanche Center	I will be voting on behalf of my AWS
Marek Biskupič	Slovakia	I will be voting on behalf of my AWS, I am member of TAB, I am member of a working group
Pavel Krajičí	Slovakia	I will be voting on behalf of my AWS, I am member of a working group
Markus Landrø	NAWS	Presenting on Friday
Rudi Mair Dr.	Tirol	I will be voting on behalf of my AWS, I am member of a working group
Harald Riedl	Avalanche Commissions Tyrol	Avalanche Commissions Tyrol
Piotr Konopka	TOPR (Tatra Mountain Rescue Service)	I will be voting on behalf of my AWS
CHIAMBRETTI IGOR	AINEVA - Italy	I will be voting on behalf of my AWS, I am member of a working group
Frank Techel	Avalanche Warning Service SLF, Switzerland	I will have a presentation on day 2.
Paola Dellavedova	AINEVA - AWS AOSTA VALLEY	I am member of a working group
Mattias Tarestad	Sweden-SAWS	Observer
Heidi Bache Stranden	Norwegian Avalanche Warning Service	Participant
Gianni Marigo	Avalanche Center Arabba - Italy	Snow-Weather forecaster
Ben Reuter	None	Speaker
Silvano Gandino	METEOMONT ITALIAN ARMY	I will be voting on behalf of my AWS
Jan Hepnar	Mountain Rescue Service of Czech Republic	I will be voting on behalf of my AWS
Robert Dlouhý	Mountain Rescue Service of Czech Republic	I will be voting on behalf of my AWS
Harpa Grímsdóttir	Icelandic Met Office	I will be voting on behalf of my AWS
Auður Elva Kjartansdóttir	Icelandic Met Office	I will be voting on behalf of my AWS
Stefano Cordaro	Meteomont Italian Army	I will be voting on behalf of my AWS
MATTIA FALETTTO	AINEVA	FORCASTER AVALANCHE WARNING CENTER ARPA PIEMONTE - ITALY
Peter Gauer	NGI	Forecaster and researcher
Heidi Helena Lee	NVE	Organiser
Ragnar Ekker	NVE	NVE
Emma Julseth Barfod	Norway- varsom	Forecaster
Karsten Müller	NVE	I am member of TAB, I am member of a working group