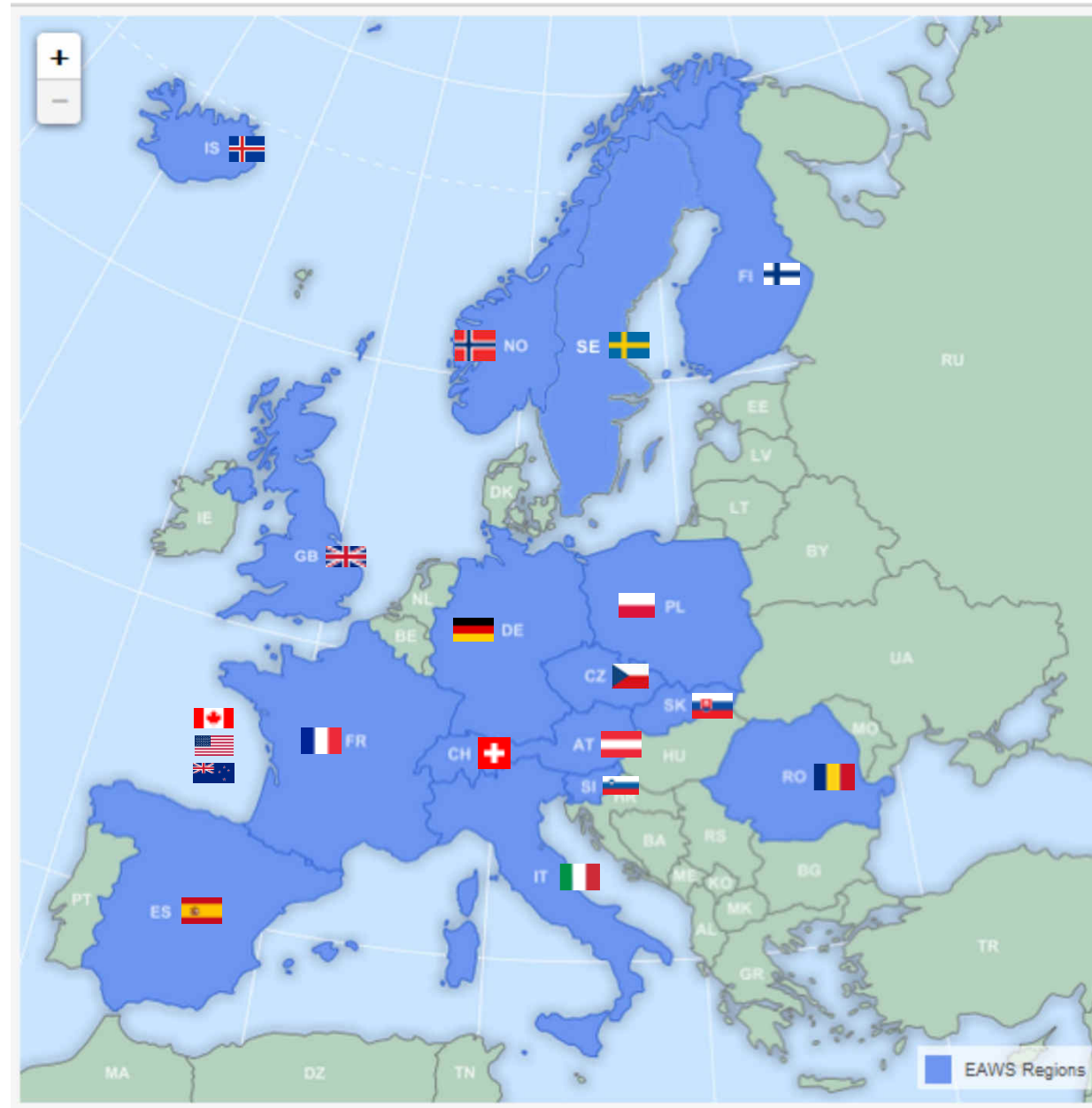


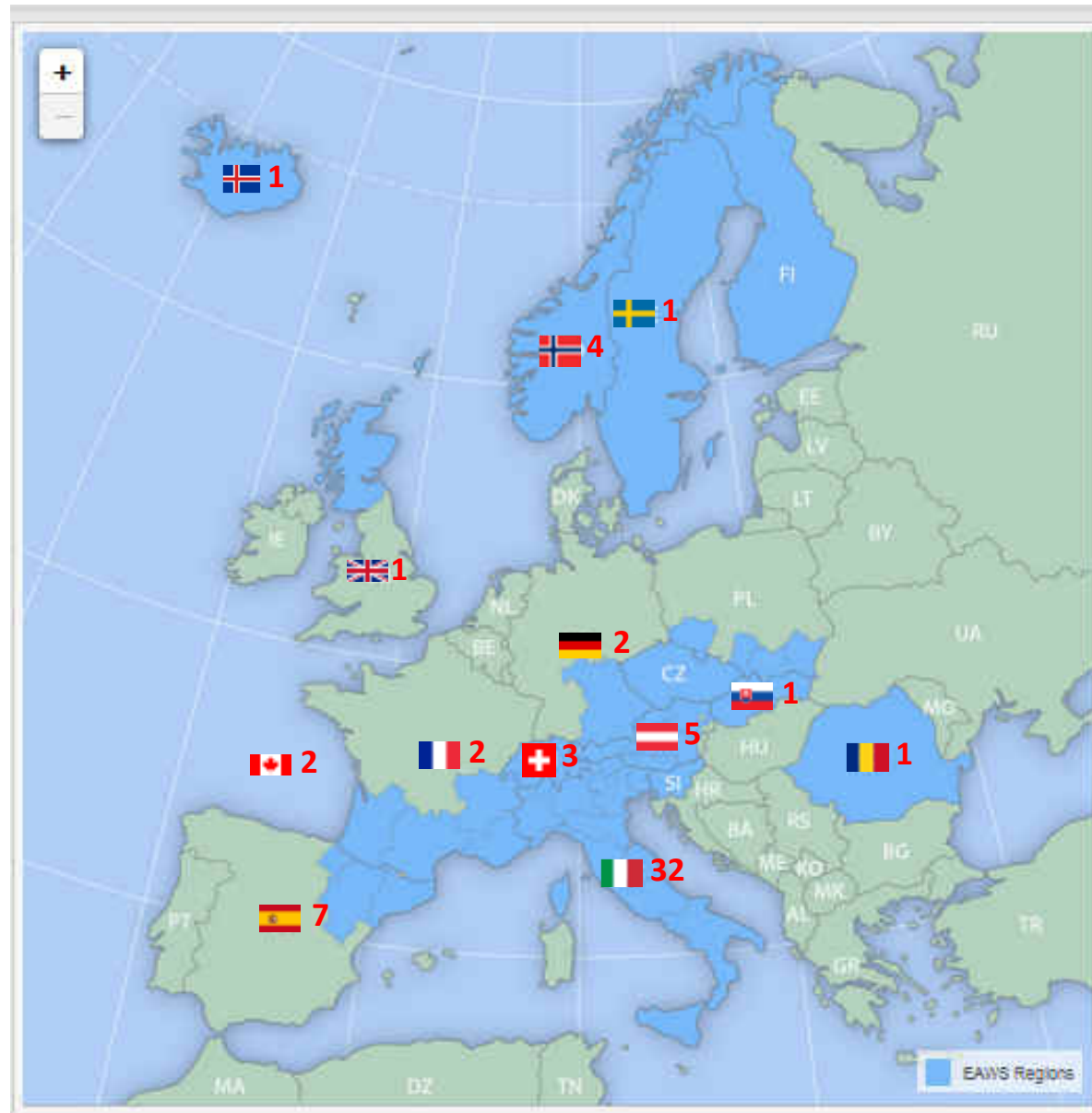
**18<sup>th</sup> EAWS Meeting  
Welcome in Rome**



## 18<sup>th</sup> European Avalanche Warning Services Meeting

EAWS Deputy: Glòria Martí i Domènech (ICGC); EAWS WG Coordinator: Igor Chiambretti (AINEVA)





**Thursday 4th June 2015**

## Poster sessions

### **Avalanche forecasting:**

**Remote sensing, model and in-situ data fusion for snowpack parameters and related hazards in a climate change perspective (Proiect SEE – SnowBall RO14-0011)** - [Stăncălie, G., Solberg, R., Gogu, R.C., Mătreacă, M., and Voiculescu, M., – Romanian National Meteorological Adimin., Norwegian Computing Center, Tech. Univ. Civil Eng. Romania, Nat. Inst. Hydrology and Water Management; West Univ. Timișoara - Romania];

**ALURTE avalanche danger bulletin 2014/15 - First Winter season** - [Hurtado, R., and Huelin Rueda, P., – ALURTE – Canfranc - Spain];

**Avalanche Problems** - [Valt, M., - ARPA Veneto, Arabba Avalanche Centre – AINEVA - Italy];

**Precipitation type identification - the operational algorithm in ARPA Piemonte based on weather radar and NWP data** – [Campana, V., Cremonini, R., Bechini, R., Gaeta, A.R., Raccanelli, I., Prola, M.C., and Barbero, S. - ARPA Piemonte – Italy];

**Snow-avalanche hazard evaluation in the Ligurian ski resorts (Italy)** – [Brandolini, P., Faccini, F., Fratianni, S., Freppaz, M., Giardino, M., Lazzeri, R., Maggioni, M., and Romeo, V., - Univ. Genoa, Univ. Turini, METEOMONT – Italy];

**Mountain Weather Forecasting At CMR Milano Linate** – [Villa, D., Reina, C., Ajello, C., and Ferrai, G., - Italian Air Force Meteorological Service C.M.R. - Centro Meteorologico Regionale Milano Linate – METEOMONT - Italy].

**Thursday 4th June 2015**

## Poster sessions

### **Communication, new media and bulletins:**

**User rating of the Swiss avalanche forecast – part 1 - Effect of the new bulletin-structure** - [Winkler, K., and Techel, F., - WSL-SLF – Switzerland];

**User rating of the Swiss avalanche forecast – part 2 – Bulletin user analysis** - [Winkler, K., and Techel, F., - WSL-SLF – Switzerland];

**Towards a European ATES platform** – [Gavalda, J., Moner, I., Bacardit Penarroya, M., – Centre de Lauegi d’Aran – Spain];

**SnowTerm – a thesaurus on snow and ice** – [Plini, P., Salvatori, R., Valt, M., De Santis, V., and Di Franco, S., Nat. Res. Council of Italy – Inst. Atmospheric Pollution Research; ARPA Veneto – Arabba Avalanche Centre - Italy];

**Piedmont seasonal weather, snow and avalanche report @ a glance** – [Pelosini, R., Nicolella, M., Renier, L., Prola, M.C., Faletto, M., Solero, E., and Viglietti, D. - ARPA Piemonte – Italy];

**New media product in Piemonte - the avalanche bulletin video** – [Prola, M.C., Faletto, M., Viglietti, D., Solero, E., Saladin, A., and Barbera, E., - ARPA Piemonte – Italy];

**The new Italian snow and avalanche App for Android and iOS in English language** – [METEOMONT - Italy];

**The Italian State snow and avalanche bulletin – new structure and organization of the information translated in five languages** – [METEOMONT - Italy].

**Thursday 4th June 2015**

## **Poster Sessions**

### **Data collection and exchange:**

**Collecting snow measurements with Ushahidi – ARPA Piemonte experience 2014-2015** – [Cremonini, R., Gaeta, A.R., Solero, E., Pispico, R., Faletto, M., Prola, M.C. and Barbero, S., - ARPA Piemonte – Italy];

**Snow avalanche measurements and risk estimation – a balance at the end of ten seasons** - [Milian, N., – National Admin. Meteorology - Romania];

**www.snowcrystals.it** – [Salvatori, R., and Valt, M., - Nat. Res. Council of Italy – Inst. Atmospheric Pollution Research - Italy];

**GeoAvalanche – A snow avalanche spatial data infrastructure in the cloud** – [Bartoli, F., - CTO Geobeyond Srl – Italy].

**Thursday 4th June 2015**

## **Poster Sessions**

### **Civil protection, risk forecasting:**

**Safer winter trips in Romania - avalanche risk forecasting and protection** - [Milian, N., and David, A. – National Admin. Meteorology Romania; Sibiu Mountain Rescue Team - Romania]

**Local forecasting for avalanche danger on mountain roads N330 and A2606** - [Hurtado, R., and Huelin Rueda, P., – ALURTE – Canfranc - Spain];

**From avalanche hazard to avalanche risk – a method for the evaluation of vulnerability and the Lombard Continuous Matrix** – [Valsecchi, I.Q., Cucchi, A., and Hagos, S., - UO Civil Protection Lombardia Region – Italy and Progesi Group BV-Tech - Italy];

**Recreational avalanche accidents in Switzerland** – [Techel, F., and Zweifel, B., - WSL-SLF – Switzerland];

**The National snow and avalanche monitoring network for the Civil Protection: an example of collaboration between State and Regional Services** – [METEOMONT - Italy].

**Thursday 4th June 2015**

## Poster Sessions

### Sponsor Corner:

**High Resolution Laser for measuring snow depth** (Georg Heinemann, G. Lufft GmbH | Optical Sensors | Berlin Office).

Posters will be displayed throughout all the days of the meeting and will be presented during the coffee breaks.

**20:00 – 22:00      EAWS WG dinner (€ 30,00)**



## Friday 5th June 2015

**09:00 – 09:30**

### Meeting opening and institutional greetings

(chairperson: Vincenzo Romeo – Country Manager of METEOMONT)

Cesare Patrone (Head of the Italian State Forestry Corps)  
Daniela Piccoli (Director of METEOMONT Division)  
Silvano Gandino (METEOMONT Manager – Alpine Troops Command)  
Domenico Nappi (METEOMONT - Italian Air Force National Meteorological Service)  
Gloria Marti (EAWS Deputy)  
Igor Chiambretti (EAWS WG Coordinator - AINEVA).

**Friday 5th June 2015**

**09:30 – 10:40      Session 1 - Avalanche danger problems**

(chairperson: Rudi Mair– LWD Tirol)

**General overview of past experiences:**

- Patrick Nairz - LWD Tirol
- Thomas Stucki - SLF
- Solveig Kosberg Ovstedal - NVE
- Mauro Valt - AINEVA – METEOMONT

**An introduction to discussion and proposal** (Igor Chiambretti – AINEVA – EAWS WG coordinator);

**1st Proposal** (Mauro Valt – ARPAV CVA – AINEVA);

**2nd Proposal** (Vincenzo Romeo – METEOMONT).

**10:40 – 11:00**      Coffee break and poster session

**11:00 – 11:25**      **Discussion and deliberation (Session 1)**

**11:25 – 11:35**      Sponsor speech

[goals: approval of common danger pattern usage; approval of top- and (possibly) mid-level info pyramid avalanche danger pattern definitions; start of discussion on extended definitions – task for next WG year; start of discussion on icons – task for next WG year and infographic specialist]

## Friday 5th June 2015

**11:35 – 12:20      Session 2 - Avalanche forecasting problems: full depth slab avalanches, gliding avalanches, wet snow avalanches, slush flows**

(chairperson: Karl Klassen – Avalanche Canada)

**Overview on North America approach** (Karl Klassen – Avalanche Canada);

**Full depth slab avalanches and gliding avalanches, past experience examples**

(Patrick Nairz - LWD Tirol);

**Wet snow avalanches and gliding avalanches, past experience examples** (Frank Techel– WSL-SLF);

**Glide events analysis in Slovakia**

(Biskupič Marek and Kyzek Filip – Avalanche Prevention Center – Slovakia).

**12:20 – 13:50      Lunch**

**13:50 – 14:20      Discussion and deliberation (Session 2)**

**14:20 – 14:30      Sponsor speech**

**[goals: start of discussion on such forecasting problems – task for next WG year]**

## Friday 5th June 2015

- 14:30 – 15:20**      **Session 3 - EAWS regulations**  
(chairperson: Mark Diggins - Scottish Avalanche Information Service)
- 14:30 – 14:50**      **Regulation illustration** (Igor Chiambretti – AINEVA – EAWS WG  
coordinator).
- 14:50 – 15:20**      **Discussion and deliberation (Session 3)**
- 15:20 – 15:40**      Coffee break and poster session

[goals: approval of regulations; local forecast services invitation to join EAWS]

**Friday 5th June 2015**

**15:40 – 16:40      Session 4 - Local versus regional forecast**

(chairperson: Christoph Mitterer – LWD Bayern)

**Experiences and problems:**

**Local forecast at Livigno (Fabiano Monti – ALPsolut);**

**Local forecast in Norway, problems and possible solutions derived by such experience - (Peter Gauer – NGI);**

**European Avalanche Danger Scale and local forecast – use and abuse (Peter Gauer – NGI);**

**French experience with a focus on the problem of the information towards the off-piste skiers - (Cecile Coleou – Meteo France);**

**Twelve years of local avalanche forecasting in Val d’Aran highways – An example of merging local and regional forecast - (Jordi Gavalda - Aran Avalanche Center);**

**Local Versus Regional Forecasting - Observations from The Scottish Avalanche Information Service – (Mark Diggins – SAIS).**

**16:40 – 17:00      Discussion and deliberation (Session 4)**

[goals: opening a discussion on how to manage the relationships between services; possibly fixing some basic rules and concepts: ex. How to use the danger scale at local level?]

## Friday 5th June 2015

17:00 – 17:30

**Session 5 - Data exchange, encoding standards, CAAML, EAWS website**

(chairperson: Cecile Coleou - Meteo France)

**General overview: CAAML, SnowProfile, Accidents, EAWS website**

(Patrick Nairz – LWD Tirol);

**Encouraging snow data sharing: an algorithm for unmanned validation of automatic snow depth measurements** (Mattia Faletto – ARPA Piemonte – AINEVA);

COST Action (Samule Morin – Meteo France);

17:30 – 17:40

**Discussion and deliberation (Session 5)**

19:00 – 20:30

Guided tour in Rome (€ 12,00)

20:30 – 22:30

Gala Dinner in the old town (€ 35,00).

**[goals: keeping alive the discussion on how share/exchange data and info; how to feed the EAWS website with more data – e.g. SnowProfile, Accidents, etc.]**

## Saturday 6th June 2015

**09:00 – 09:20**      **Session 6 - Avalanche size scale**  
(chairperson: Thomas Stucki - SLF)

**Avalanche size scale, a proposal** (Ernesto Crescenzi – METEOMONT);  
**Avalanche size scale - AINEVA's forecasters considerations** (Stefano Sofia - CF Regione Marche - AINEVA);  
**WG report and proposal** (Muller Karsten – NVE).

**09:20 – 10:00**      **Discussion and deliberation (Session 6)**

**10:00 – 10:20**      Coffee break and poster session

**[goals: possible approval of proposed changes and starting a discussion on how such changes will affect BM, danger scale, etc. – strengthen the will to build an image dataset - task for next WG]**

## Saturday 6th June 2015

**10:20 – 12:20**

### **Session 7 - Bavarian Matrix, Avalanche Danger Scale, Icons**

(chairperson: Gloria Marti i Domenech – ICGC – EAWS deputy)

**No rating / No snow icons** (Paola Dellavedova – UNV Aosta Valley - AINEVA);

**New icons - considerations** (Ernesto Crescenzi – METEOMONT);

**Danger level scale and Bavarian Matrix – AINEVA’s forecasters considerations** (AINEVA);

**Renaming the Danger Levels** (Rudi Mair – LWD Tirol);

**WG report and proposal** (Thomas Stucki – SLF).

**12:20 – 13:50**

Lunch

**13:50 – 14:10**

**Discussion and deliberation (Session 7)**

**[goals: final approval of icons no snow and no rating; BM changes – task for next WG year]**



## Saturday 6th June 2015

**14:10 – 15:15**

### Conclusions

(chairpersons: Vincenzo Romeo – METEOMONT)

**14:10 – 14:30**

**Deliberations** - Igor Chiambretti – AINEVA-EAWS WG coordinator

**14:30 – 14:55**

**Elections** - Gloria Marti i Domenech – ICGC – EAWS deputy

**14:55 – 15:15**

**Summarization; next EAWS-conference** - Igor Chiambretti – AINEVA-EAWS WG coordinator; Gloria Marti i Domenech – ICGC – EAWS deputy

## **Sunday 7th June 2015 (optional)**

### **07:00 – 18:00      Field Trip to the Gran Sasso Area (Apennines Mountains – Abruzzo Region)**

**07:15** Meeting point at METEOMONT - CFS headquarters in Rome (Via XX Settembre n. 20)

**07:30** Departure from Rome to Gran Sasso (L'AQUILA)

**09:30** Start of the hike and visit to the area (2:00 h)

**11:30** Arrival at Calderone Glacier Area

**15:30** Departure from Gran Sasso Area to Rome

**18:00** Arrival at Rome (METEOMONT CFS headquarters)

**Visit (you can see the program on the 18<sup>th</sup> EAWS meeting web site [www.meteomont.gov.it](http://www.meteomont.gov.it)):**

The goal of the visit is to show you the geological, climatic, meteorological, snow cover and avalanches characteristics of Gran Sasso area and the Calderone glacier. Equipment and gear for the field trip: backpack, wind jacket, hiking boots, packed lunch. The trail will start at the upper station of the cable car (cable car ride will be at the expense of participants - cost 15 € round trip).

We have several topics to discuss, therefore our schedule is **TIGHT**. We'll try to keep our discussion and interventions as **short** and **productive** as possible.

**Please go straight to the point!!**

