

16th meeting of the European Avalanche Warning Services Program

September 15/16, Minatec, Grenoble

Moderation : EAWS Working Group

Organisation : Centre d'Etudes de la Neige

Thursday – 2011/09/15

08:30 – Arrival of the participants

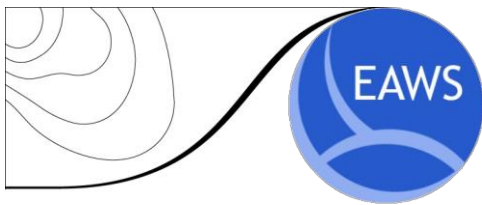
09:30 to 12:30 Opening – Joint session EAWS 16th Meeting / ANENA 40th Anniversary

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| 09:30 | Welcome and Opening of the ANENA's 40 th Anniversary | Faure Jean (ANENA) |
| 09:45 | Opening of the EAWS's 16th meeting | Chassagneux Patrick
(Météo-France) |
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| <i>From Science to Prevention : Review of 40 years' ANENA Activities and Forecasting</i> | | |
| 10:00 | Review of ANENA presidencies and Orientations | Létang Dominique / Tuillon
Jean-Louis (ANENA) |
| 10:15 | Prevention of Avalanche Risk : from the first PIDA to
Practitioner's training | Meffre Jean-François /
Zuanon Jean-Paul (ANENA) |
| 10:30 | Trainings : cornerstone of ANENA | Chavasse Bernadette /
Laroche Guy (ANENA) |

10:45 – Break

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| 11:15 | ANENA from Science to Human Sciences | Richard Didier (ANENA) |
| 11:30 | ANENA's partners | Richard Michel (ANENA) |
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| <i>Introduction to the European Avalanche Warning Services Meeting</i> | | |
| 11:45 | Recent milestones of the European Avalanche Warning
Services | Etchevers Pierre / Nairz
Patrick (EAWS) |
| 12:10 | Avalanche Risk Forecasting | Coléou Cécile (EAWS) |

12:30 – Lunch



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Thursday – 2011/09/15

14:00 to 16:25 Use of avalanche danger scale

Moderation : Coléou Cécile

14:00 – Avalanche size description

- 14:00 Run out length ratio for size estimation
- 14:05 Definition of the new avalanche sizes
- 14:15 *Discussion – agreement ?*

Kristensen Krister (NO)
Nairz Patrick (A)

14:35 – The question of presented Travel Advice

- 14:35 Travel advice and user groups
- 14:40 Unification of the "travel advice" – a proposal
- 14:45 *Discussion*

Kristensen Krister (NO)
Nairz Patrick (A)

15:05 – Matrix and typical situations . Patterns, What next ?

- 15:05 Avalanche danger patterns – experiences during winter 2010-2011 in Tyrol
- 15:15 Patterns (typical avalanche situations) – which patterns and how they are used in Switzerland
- 15:25 Regional versus local avalanche warning. Challenge, scales and interdependency
- 15:35 *Discussion*

Nairz Patrick, Mair Rudi (A)
Stucki Thomas (CH)
Kristensen Krister (NO)

15:50 – Danger levels

- 15:50 Danger level distribution along the Italian Alps during the last 15 years
- 15:55 Comparison of nationally published danger levels of European countries, methodology – a proposal
- 16:05 Estimation of the danger level : an example of differences between France (Haute-Savoie) and neighbored Switzerland.
- 16:10 *Discussion*

Mauro Valt (I)
Marti Gloria (E), Coleou Cecile (F)
Brunot Gilles (F)

16:25 – Break



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Thursday – 2011/09/15

16:45 to 18:00 Collecting data for Avalanche forecasts

Moderation : Marti Gloria

16:45 – Field observation methods : Main data source, Interpretation

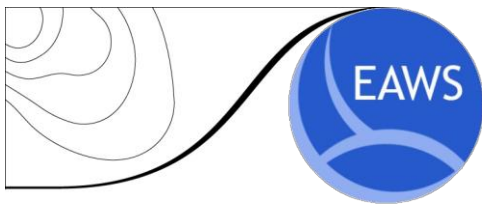
16:45	Collecting Avalanche Information and Data in Scotland	Diggins Mark (UK)
16:50	Field observation methods in Tyrol	Nairz Patrick (A)
16:55	IMGW's snow and avalanche measurement network in polish Tatra Mountains area	Karzyński Maciej (PL)
17:00	Field observation methods in France	Goetz Daniel (F)
17:05	Field observation methods in Switzerland	Stucki Thomas (CH)
17:10	Field observation methods in Italy	Chiambretti Igor (I)

17:15 – Stability tests – reliance for forecasters ?

17:15	ECT vs RB stability tests (first results)	Chiambretti Igor (I)
17:25	Stability tests in Switzerland	Stucki Thomas (CH)

17:40 *Discussion*

EVENING – Cocktail party and visit of Musée de Grenoble (optional)



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Friday – 2011/09/16

08:30 to 10:30 The Provision of information to practitioners

Moderation : Stucki Thomas

08:30 – Communicating to the Public / Avalanche bulletin

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| 08:30 | New avalanche bulletins in Switzerland | Pielmeier Christine (CH) |
| 08:35 | Avalanche bulletins in Italy – state of the art | Mauro Valt (I) |
| 08:40 | Avalanche danger scale – new ideas to provide a better information to users | Berbenni Flavio (I) |
| 08:45 | The role of terrain ratings in avalanche warning service applications | Klassen Karl (CA) |

08:50 – Communicating to the Public / feedback from surveys

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| 08:50 | Results of the enquiry about comprehension of avalanche report in Catalan Pyrenees | Marti Gloria (E) |
| 08:55 | Summary of User Group Survey Carried out in Scotland 2010 | Diggins Mark (UK) |

09:00 *Discussion*

09:25 – New media

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| 09:25 | WhiteRisk mobile | Pielmeier Christine (CH) |
| 09:35 | Snowsafes – apps for EAWS | Nairz Patrick (A) |

09:40 – CAAML

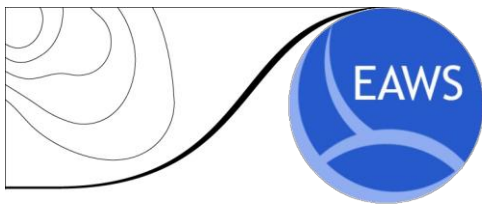
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| 09:40 | CAAML – current status and future
CAAML – newest developments | Haegeli Pascal (CA)
Nairz Patrick (A) |
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09:55 – www.avalanches.org

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| 09:55 | www.avalanche.org – platform for EAWS
Proposal for the use and expansion of the EAWS-home page | Nairz Patrick (A)
Zenke Bernhard (D) |
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10:05 *Discussion*

10:25 – Photo and break



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Friday – 2011/09/16

10:50 to 12:00 Additional tools for forecasters

Moderation : Chiambretti Igor

10:50 – Database management, models, future / new developments

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| 10:50 | LWD.NET – a powerful tool for data-administration | Nairz Patrick (A) |
| 11:00 | YetiNik and Husky | Mauro Valt (I) |
| 11:10 | mAvalanche – a system to get real-time information from mountain guides | Pielmeier Christine (CH) |
| 11:20 | MetGIS High Resolution Mountain Weather Forecasts for Avalanche Warning Services: Basic Features and Experiences | Spreitzhoefer Gerald (A) |
| 11:30 | Safran,Crocus, Mepra in IMGW Branch Krakow – adaptation and implementation | Nodzynski Tomasz (PL) |
| 11:40 | Integration of the snowdrift modelling into the French Safran/Crocus/Mepra Operational chain for avalanche hazard forecasting | Giraud Gérald (F) |
| 11:50 | Parks Canada's new avalanche bulletin system | Statham Grant (CA) |

12:00 – Lunch

13:30 to 15:25 Collaboration between avalanche warning services, institutions, agencies and public users

Moderation : Nairz Patrick

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| 13:30 | Avalanche risk in polish Tatra Mountains – 45 years of IMGW's activity and cooperation | Karzynski Maciej (PL) |
| 13:40 | Getting valuable information from mountain guides – Aosta Valley's avalanche warning service experience | Dellavedova Paola (I) |
| 13:50 | OWARNA - Optimised warnings and alerting from natural hazards in Switzerland | Stucki Thomas (CH) |
| 14:00 | Using Information from Mountain Practitioners in Scotland | Diggins Mark (UK) |
| 14:10 | Results from the online public-opinion poll from the avalanche service Styria | Studeregger Arnold (A) |
| 14:20 | Upgrading the Norwegian avalanche forecasting service NPP Avalanche forecasting projects | Engeset Rune (NO)
Kristensen Krister (NO) |
| 14 :30 | Users needs | Mallon Alexis (F) – IUAGM |
| 15 :00 | <i>Discussion</i> | |

15:25 – Break



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Friday – 2011/09/16

15:45 to 16:50 Conclusion

- 15:45 EAWS agreement – proposal
15:55 *Discussion*
- 16:15 Objectives of the working group - proposal
16:25 *Discussion*
- 16:45 Next meeting (location, date)

17:00 to 18:20 Closing – Joint session EAWS 16th Meeting / ANENA 40th Anniversary

Summing-up of the ANENA's round tables and of the European Avalanche Warning Services Meeting

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| 17:00 | Round table 1 : ANENA and local Authorities | ANENA |
| 17:20 | Round table 2 : ANENA and Ski Resorts | ANENA |
| 17:40 | Round table 3 : ANENA and Practitioners and Supervisors | ANENA |
| 18:00 | Main conclusions of the European Avalanche Warning Services Meeting | EAWS |

EVENING – Gala dinner (optional)

Saturday – 2011/09/17

Guided tours (optional)