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Workshop: Snow Monitoring and Modeling Initiatives in Spain Based On Ground and Satellite Data, in collaboration with the COST ES1404 Action, November 2, 2016

Location: Granada, Spain

Date: Wednesday, November 02, 2016

Place: Subdelegación de Gobierno de Granada

Gran Vía de Colón, 50. Granada

Objective

This workshop is organized in the context of the COST ES1404 action. It intends to provide a framework to exchange knowledge and experiences about snow monitoring and modeling in Spain based on ground and satellite data.

[>Workshop page](#)

Copernicus Training and Information Session in Finland

The Copernicus Training and Information Session to be held on 21 - 22 November 2016 in Helsinki at the premises of the Finnish Meteorological Institute is the third in a series of national Copernicus events. The European Commission is organising these sessions at the request of, and in collaboration with Member States. In the specific case of Finland, it includes a User Workshop on the Copernicus Emergency Management Service with participation from stakeholders in neighbouring countries.

[>>More information and registration](#)



Introduction to ESSEM COST Action ES1404

This COST Action on SNOW aims at building a better connection between snow measurements and models, between snow observers, researchers and forecasters, for the benefit of various stakeholders and the entire society.

Aim of the Action

Notice board

A new session on snow, ice and light absorbing impurities (LAI) will be opened at the EGU2017.

Copernicus Training and Information Session will be held in Helsinki on 21- 22 November 2016.

Workshop: Snow Monitoring and Modeling Initiatives in Spain Based On Ground and Satellite Data, in collaboration with the COST ES1404 Action will be held in Granada, Spain on November 2, 2016.

The 3rd Snow Science Winter School will be held in Sodankylä, Finland on 12 - 18 February 2017.

8th EARSel Workshop on Land Ice and Snow will be held in Bern, 7 - 9 February 2017.

Presentations from the Workshop on In-situ snow albedo measurements: toward a snow albedo intercomparison experiment are available.

Moments from Workshop on in-situ snow albedo measurements: toward a snow albedo intercomparison experiment, 24 - 25 August 2016 are uploaded.

Workshop on in-situ snow albedo measurements: toward a snow albedo intercomparison experiment is this week!

IGARSS 2016: Advancing the Understanding of Our Living Planet will be held between 10 - 15 July 2016, in Beijing, China.

Submission of manuscripts to "Journal of Hydrology and Hydromechanics" is the

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3rd MC Meeting Combined with Working Group Meetings, November 3-4, 2015

Location: Helsinki, Finland

Documents

Name of the document	Author	Event	Language	Date added	Link
Meeting Agenda (Day 1)	Ali Nadir Arslan	3rd MC Meeting Combined with Working Group Meetings	English	22-10-2015	Download
Meeting Agenda (Day 2)	Ali Nadir Arslan	3rd MC Meeting Combined with Working Group Meetings	English	22-10-2015	Download

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✖ : Download link is not ready yet or applicable.

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[5th MC Meeting, Granada](#)
[WG Meeting, Brussels, 2015](#)
[WG Meeting, Erzurum, 2016](#)
[WG Meeting, Evora, 2015](#)
[WG Meeting, Leuven, 2016](#)
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Meeting Agenda (Day 2)	Ali Nadir Arslan	3rd MC Meeting Combined with Working Group Meetings	English	22-10-2015	↓
STSM - ES1404 - Status on November 2015	Giovanni Macelloni	3rd MC Meeting Combined with Working Group Meetings	English	13-11-2015	↓
Snow Measurement Activities and Facilities in Turkey	Arda Şorman, Aynur Şensoy	3rd MC Meeting Combined with Working Group Meetings	English	13-11-2015	↓
Snow measurement activities & facilities in Estonia	Kairi Vint, Külli Loodla	3rd MC Meeting Combined with Working Group Meetings	English	13-11-2015	↓
Snow measurements and facilities in Bulgaria	Dimitar Nikolov	3rd MC Meeting Combined with Working Group Meetings	English	13-11-2015	↓
Snow monitoring at FMI Arctic Research Centre	Anna Kontu	3rd MC Meeting Combined with Working Group Meetings	English	13-11-2015	↓
Working Group 3 - Snow data assimilation and validation methods for NWP and hydrological models in COST ES1404	Jürgen Helmert	3rd MC Meeting Combined with Working Group Meetings	English	13-11-2015	↓
3rd MC Meeting Minutes	Ali Nadir Arslan	3rd MC Meeting Combined with Working Group Meetings	English	27-01-2016	↓

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* : Download link is not ready yet or applicable.

Objective

This workshop is organized in the context of the COST ES1404 action. It intends to provide a framework to exchange knowledge and experiences about snow monitoring and modeling in Spain based on ground and satellite data.

[>Workshop page](#)

Copernicus Training and Information Session

The Copernicus Training and Information Session is part of a series of national Copernicus events. The European case of Finland, it includes a User Workshop on snow albedo measurements.

[>>More information and registration](#)

REGISTRATION
Copernicus Training and Information Session
21-22 November 2016



Introduction to ESSEM COST Action ES1404

This COST Action on SNOW aims at building a better understanding of the snow cycle for the benefit of various stakeholders and the environment.

Aim of the Action

To enhance the capability of the research community and operational services to provide and exploit quality-assured and comparable regional and global observation-based data on the variability of the state and extent of snow.

Overall Objectives & Benefits

Notice board

A new session on snow, ice and light absorbing impurities (LAI) will be opened at the EGU2017.

Copernicus Training and Information Session will be held in Helsinki on 21- 22 November 2016.

Workshop: Snow Monitoring and Modeling Initiatives in Spain Based On Ground and Satellite Data, in collaboration with the COST ES1404 Action will be held in Granada, Spain on November 2, 2016.

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IGARSS 2016: Advancing the Understanding of Our Living Planet will be held between 10 - 15 July 2016, in Beijing, China.

Submission of manuscripts to "Journal of Hydrology and Hydromechanics" on the thematic issue "Snow resources and hydrological cycle" is now open.



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between snow observers, researchers and forecasters,

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First Name	Last Name	Category/Position	Organisation	Country
Zuhal	Akyurek	MC Member, WG Member [WG1], WG Member [WG2], WG Member [WG3]	---	TR
Zdenek	Bagal	MC Member	TG Masaryk Water Research Institute (Prague, Czech Republic)	CZ
Annett	Bartsch	MC Member, WG Member [WG1], WG Member [WG3]	Zentralanstalt für Meteorologie und Geodynamik (Vienna, Austria)	AT
Eric	Bazile	MC Substitute, WG Member [WG3]	Météo-France (Toulouse Cedex, France)	FR
Mihael	Brencic	WG Member [WG3], MC Member	Natural Science and Engineering Faculty, University of Ljubljana (Ljubljana, Slovenia)	SI
Marco	Brogioni	MC Substitute	"Istituto di Fisica Applicata "N.Carrara" (Sesto Fiorentino, Italy)"	IT
John	Burkhart	WG Member [WG1], WG Member [WG2], MC Member	University of Oslo (Blindern, Norway)	NO
Jure	Cedilnik	WG Member [WG3], MC Member	Agencija za okolje republike Slovenije (Ljubljana, Slovenia)	SI
Pawel	Chrustek	MC Substitute	Institute of Meteorology and Water Management National Research Institute (IMGW-PIB) (Krakow, Poland)	PL
Michele	Citterio	WG Member [WG1], WG Member [WG2], MC Member	National Geological Survey of Denmark and Greenland (Copenhagen K, Denmark)	DK
Xuefeng	Cui	MC Member	University College Dublin (Dublin, Ireland)	IE
Pavia	Dagsson Waldhauserova	WG Member [WG1], WG Member [WG2], MC Member	University of Iceland (Reykjavik, Iceland)	IS
Maria	Derkova	WG Member [WG3], MC Member	Slovak Hydrometeorological Institute (Bratislava, Slovakia)	SK
Cvetan	Dimitrov	MC Member, WG Member [WG2]	National Institute of Meteorology and Hydrology (Sofia, Bulgaria)	BG
Richard	ESSERY	MC Substitute, WG Member [WG1], WG Member [WG2], WG Member [WG3]	University of Edinburgh (Edinburgh, United Kingdom)	UK
Charles	FIERZ	WG Member [WG1], WG Member [WG2], MC Member	WSL Institute for Snow and Avalanche Research SLF (Davos Dorf, Switzerland)	CH
Tibor	Fülöp	WG Member [WG2], MC Member	Goodyear Innovation Center*Luxembourg (COLMAR-BERG, Luxembourg)	LU

Short-Term Scientific Missions

Background

Short-Term Scientific Missions aim at strengthening the existing COST Actions by allowing scientists to go to an institution or laboratory in another COST country to foster collaboration, to learn a new technique or to take measurements using instruments and/or methods not available in their own institution/laboratory. They are particularly intended for Early Stage Researchers.

List of STSMs in COST Action ES1404

Dates	Name	From	To	Report
19.10.2015 - 27.10.2015	Ali Nadir Arslan	Finland	Bulgaria, Turkey	↓
26.10.2015 - 30.10.2015	Marion Leduc-Leballeur	France	Italy	↓
02.11.2015 - 06.11.2015	Miguel Potes	Portugal	Finland	↓
29.11.2015 - 04.12.2015	Anna Seres	Hungary	Andorra	↓
13.12.2015 - 19.12.2015	Dimitar Nikolov	Bulgaria	Slovakia	↓
14.02.2016 - 20.02.2016	Mustafa Cansaran Ertaş	Turkey	Switzerland	↓
14.02.2016 - 20.02.2016	Suheyra Sena Akarca Bıyıklı	Turkey	Switzerland	↓
14.02.2016 - 20.02.2016	Tomasz Wawrzyniak	Poland	Switzerland	↓
14.02.2016 - 21.02.2016	Maciej Miernecki	Germany	Switzerland	↓
27.02.2016 - 05.03.2016	Thomas Watts	UK	Finland	↓
14.03.2016 - 18.03.2016	Outi Meinander	Finland	Iceland	↓
14.03.2016 - 19.03.2016	Maria Gritsevich	Finland	Iceland	↓
06.06.2016 - 17.06.2016	Francesco Avanzi	Italy	Switzerland	↓
20.06.2016 - 25.06.2016	Esteban Alonso González	Spain	France	↓
15.08.2016 - 29.08.2016	Georg Heinrich	Austria	Switzerland	↓
22.08.2016 - 26.08.2016	Miguel Potes	Portugal	Finland	↓

Gallery

Great moments from the activities (Click on the pictures or left menu to navigate)

2nd MC Meeting Combined with Working Group Meetings: March 18-20, 2015



6th National Seminar on Snow on the day of Pyry* in collaboration with the COST ES1404 Action (*Blizzard), November 2, 2015



Expert Meeting and Workshop on Snow Data Use in Chopok, Slovakia in Slovakia, February 15 - 16, 2016



Location: Helsinki, Finland

Date: Wednesday - Thursday, August 24 - 25, 2016


Place: Finnish Meteorological Institute (FMI)

[Erik Palménin aukio 1, 00560 Helsinki](#)

Watch the workshop

Day 1

Workshop on in-situ snow albedo measurements: toward a snow albedo intercomparison...



Workshop on *in-situ* snow albedo measurements: toward a snow albedo intercomparison experiment
(Helsinki, 24-25.08.2016 (UTC+3))

Wednesday, 24 August

0:00-0:30 Registration, welcome of participants

0:30-0:45 Introduction and goals of the workshop *All Track Areas: Roberto Ancochea, Gratiela Alcaraz*

10:00-11:15 ***in-situ* albedo measurement techniques: overview (John Albritton)**

10:00-10:45 **KEYNOTE:** Observation techniques of spectral, snow-covered and broadband albedo of snow surface - *John Albritton, Colorado Community College*

10:45-11:20 **KEYNOTE:** The albedo of snow on sea ice: observations, results, and uncertainties - *Don Perovich, Thayer School of Engineering, Dartmouth College, USA*

11:20-11:35 Discussion

11:35-12:15 ***in-situ* spectral albedo measurements: single-band and continuous measurements (John Michael Oerter)**

11:35-12:00 Cryospheric spectral albedo measurements in high Arctic environments: instruments, setup and uncertainties - *Jean-Charles Calbet, Météo France, Pole Arctic, Tréguier, France*

11:35-12:00 Continuous spectral albedo measurements in Antarctica and in the Alps: instrument design, data and protocol and accuracy - *Gratiela Alcaraz, UGA / CNRS, Laboratoire de Glaciologie et Géophysique de l'Environnement (JOSY) UMR 5105, Grenoble, France*

12:05-12:20 Continuous monitoring of spectral reflectance in Polar Regions (By-Dominic and others) - *Roberto Ancochea, UMR 404, Italy*

12:20-12:35 SWC dual photon spectral albedo sensor - a new instrument for continuous measurements of snow albedo - *Roberto Ancochea, Finnish Meteorological Institute, Finland*

12:35-13:30 **lunch**

13:30-14:30 ***in-situ* spectral albedo measurements: single-band and continuous measurements (continued) (John Michael Oerter)**

YouTube

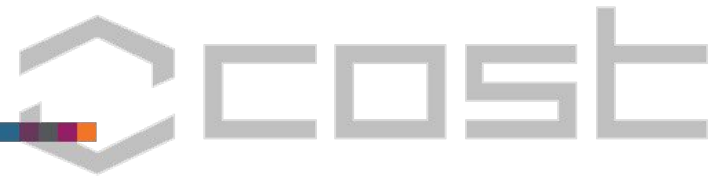
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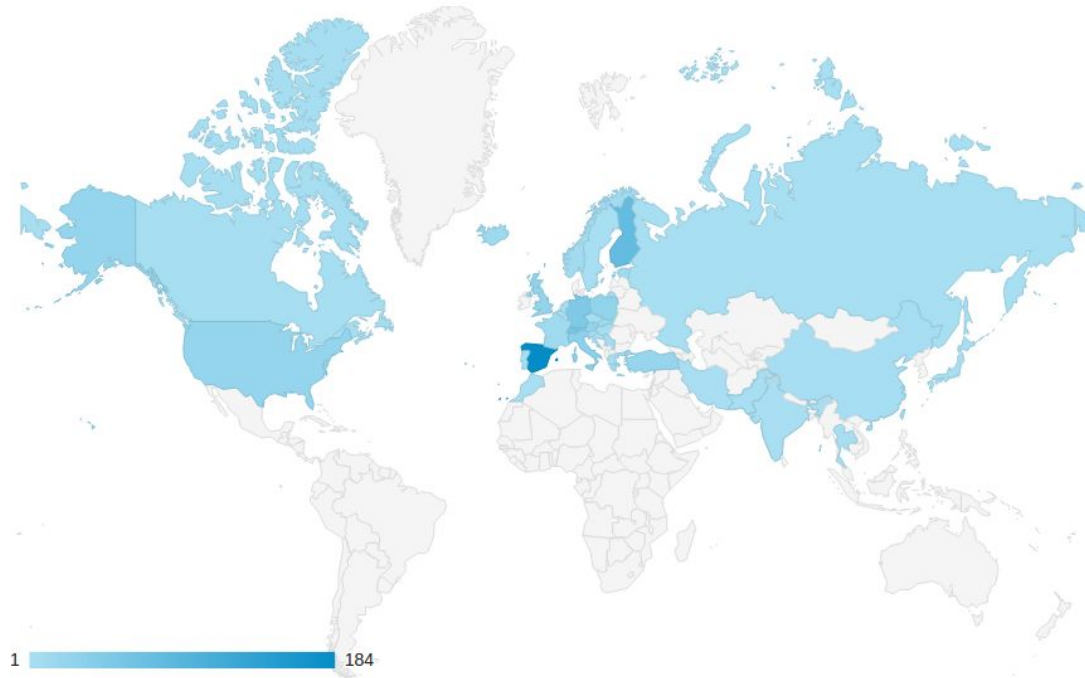


A European network for a harmonised monitoring of snow for the benefit of
climate change scenarios, hydrology and numerical weather prediction

ESSEM COST Action ES1404



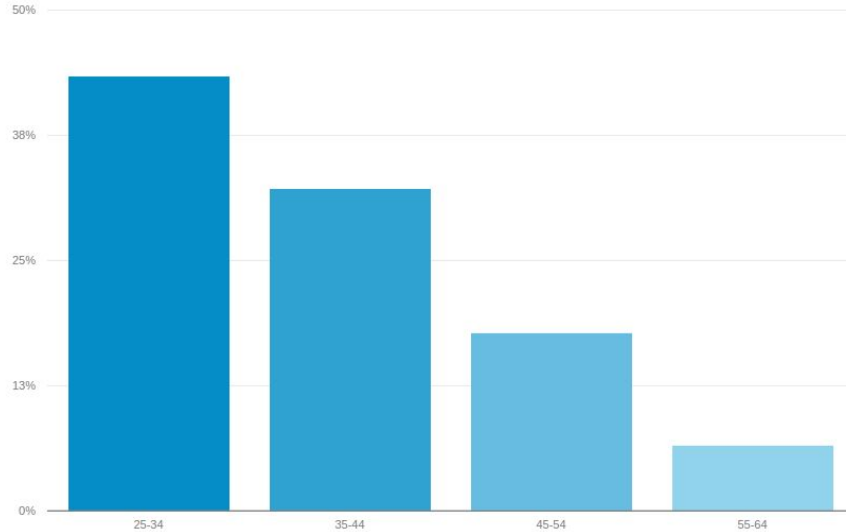
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Analytics

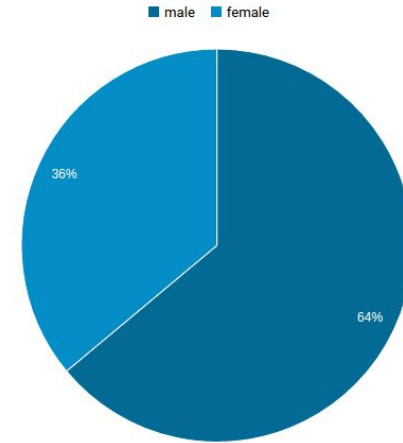
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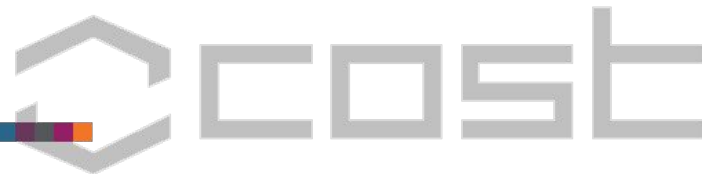
59.78% of Total sessions



Gender

63.38% of Total sessions





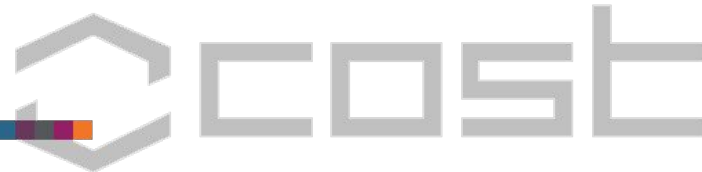
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- References
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Feedback

- Broken links/videos/pictures
- Typos
- E-mail addresses
- Incorrect information
- Visibility & functionality



Mailing lists

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