Monday, 18 Apr

IE2.1/NH2.1/AS3.6/GMPV7.2 - Atmospheric emissions from volcanoes and their dispersion (co-organized)
Convener: Elisa Carboni  |  Co-Conveners: Nicolas Theys, Lieven Clarisse, Guangliang Fu

Orals
/ Mon, 18 Apr, 15:30–17:00 / Room 0.88

EGU2016-301
16:15–16:30  Satellite detection, long-range transport, and air quality impacts of volcanic
sulfur dioxide from the 2014–2015 flood lava eruption at Bárðarbunga (Iceland)
Anja Schmidt, Susan Leadbetter, Nicolas Theys, Elisa Carboni, Witham Claire, Stevenson John, Birch Cathryn, and Thorvaldur Thordarson

AS1.29 Clouds, Aerosols, Radiation and Precipitation (General Session)
Convener: Heike Wex  |  Co-Conveners: Nicolas Bellouin, Philip Stier, Annica Ekman, Edward Gryspeerdt, Wei-Kuo Tao, Susan van den Heever

Orals
/ Mon, 18 Apr, 13:30–17:00 / Room F2

EGU2016-15350
16:30–16:45  How robust are models of precipitation response to aerosols?
Ken Carslaw, Jill Johnson, and Zhiqiang Cui

Posters
/ Attendance Mon, 18 Apr, 17:30–19:00 / Hall X2

EGU2016-8473
Weather and climate impacts of biomass burning aerosols during the dry season in Amazonia
Seshagirirao Kolusu, John Marsham, Dominic Spracklen, Douglas Parker, Mohit Dalvi, Ben Johnson, and Graham Mann

GMPV6.1/G3.9/NH2.11/SM7.4 Volcano monitoring with instrument networks (co-organized)
Convener: Jurgen Neuberg  |  Co-Conveners: John Pallister, Daniele Carbone

Orals
/ Mon, 18 Apr, 13:30–17:00 / Room L7

EGU2016-12024
16:45–17:00  Using seismic and tilt measurements simultaneously to forecast eruptions of silicic volcanoes
Jurgen Neuberg, Amy Collinson, and Patricia Mothes

Posters
/ Attendance Mon, 18 Apr, 17:30–19:00 / Hall X2

EGU2016-13692
Magma accumulation or second boiling - Investigating the ongoing deformation field at Montserrat, West Indies
Amy Collinson, Jurgen Neuberg, and Karen Pascal

AS3.23 Air Pollution Modelling
Convener: Jørgen Brandt | Co-Conveners: Pedro Jimenez-Guerrero, Andrea Pozzer, Ulas Im

Posters
/ Attendance Mon, 18 Apr, 17:30–19:00 / Hall X3

**EGU2016-17370**
Evaluation of aerosol properties simulated by the high resolution global coupled chemistry-aerosol-microphysics model C-IFS-GLOMAP

Sandip Dhomse, Graham Mann, Ken Carslaw, Johannes Flemming, Jean-Jacques Morcrette, Richard Engelen, Samuel Remy, Olivier Boucher, Francois Benduhn, Will Hewson, and Matthew Woodhouse

**AS3.25/BG3.6/CL2.13/GI2.14/OS1.13** Quantifying greenhouse gas fluxes on local, regional and global scales using atmosphere, ocean and biosphere measurements (co-organized)
Convener: Stephan Matthiesen | Co-Conveners: Paul Palmer, Mathew Williams, Andrew J. Watson, Sylvia Toet, Simon O'Doherty, Phil DeCola, James Butler

Posters
/ Attendance Mon, 18 Apr, 17:30–19:00 / Hall X3

**EGU2016-13641**
Evaluating the contribution of regional emissions to atmospheric concentrations over the UK

Sandip Dhomse, Chris Wilson, Luana Basso, Martyn Chipperfield, Emanuel Gloor, Simon O'Doherty, Ann Stavert, Dickon Young, Kieran Stanley, Aoife Grant, Carole Helfter, Neil Mullinger, and Eiko Nemitz

**CL1.08/BG4.12/CR6.7/OS2.9** Media - Polar continental margins and fjords – climate, oceanography, tectonics and geohazards (co-organized)
Convener: Kelly Hogan | Co-Conveners: Jan Sverre Laberg, Berit Oline Hjelstuen, Michele Rebescò, H. Christian Hass, Matthias Forwick

Posters
/ Attendance Mon, 18 Apr, 17:30–19:00 / Hall X3

**EGU2016-17004**
Re-evaluating high-latitude warming in the Pliocene Nordic Seas

Daniel Hill, Yvonne Smith, and Aisling Dolan

**CL1.10** -Paleoclimates from the Cretaceous to the Holocene: learning about past and future climate changes from numerical experiments and model-data comparisons
Convener: Masa Kageyama | Co-Conveners: André Paul, Dan Lunt, Michal Kucera, Julia Hargreaves

Posters
/ Attendance Mon, 18 Apr, 17:30–19:00 / Hall X3

**EGU2016-4031**
Transient climate simulations of the deglaciation 21-9 thousand years before present; PMIP4 Core experiment design and boundary conditions

Ruza Ivanovic, Lauren Gregoire, Masa Kageyama, Didier Roche, Paul Valdes, Andrea Burke, Rosemarie Drummond, W. Richard Peltier, and Lev Tarasov

X3.198 **EGU2016-8357**
The Pliocene Model Intercomparison Project - Phase 2

Alan Haywood, Harry Dowsett, Aisling Dolan, David Rowley, Ayako Abe-Ouchi, Bette Otto-Bliesner, Mark Chandler, Stephen Hunter, Daniel Lunt, Matthew Pound, and Ulrich Salzmann

EGU2016-8847

Did accelerated North American ice sheet melt contribute to the 8.2 ka cooling event?

Ilkka S.O. Matero, Lauren J. Gregoire, Ruža F. Ivanović, Julia C. Tindall, and Alan M. Haywood

EMRP2.1/PS9.9/ST4.7 Media - The magnetic Earth: significant features and open questions (co-organized)

Convener: Angelo De Santis | Co-Conveners: Mioara Mandea, Susan Macmillan, Ingo Wardinski, Roman Leonhardt, Leonardo Sagnotti

Posters

/ Attendance Mon, 18 Apr, 17:30–19:00 / Hall X2

EGU2016-15036

Predicting the evolution of the SAA by characterisation and modelling of reversed flux patches

Maurits Metman, Phil Livermore, and Jon Mound

GMPV3.2/GD2.7 - Evolution of the lithospheric mantle: a petrological and geochemical perspective from the mantle xenoliths and orogenic peridotites (co-organized)

Convener: Theodoros Ntaflos | Co-Conveners: Costanza Bonadiman, Michel Grégoire, Károly Hidas, Jacek Puziewicz

Posters

/ Attendance Mon, 18 Apr, 17:30–19:00 / Hall X2

EGU2016-16586

87Sr/86Sr in spinel peridotites from Borée, Massif Central, France: melt depletion and metasomatism in the sub-continental lithospheric mantle

Caroline Barnett and Jason Harvey

NH2.3/GMPV7.4/SM7.7 - The European contribution to the GEO Supersite initiative (co-organized)

Convener: Giuseppe Puglisi | Co-Conveners: Freysteinn Sigmundsson, Stefano Salvi, Nurcan Meral Ozel

Posters

/ Attendance Mon, 18 Apr, 17:30–19:00 / Hall D

EGU2016-2725

Catalogue of Icelandic Volcanoes

Evgenia Ilyinskaya, Gudrun Larsen, Magnus T. Gudmundsson, Kristin Vogfjord, Emmanuel Pagneux, Bjorn Oddsson, Sara Barsotti, and Sigrun Karlsdottir

Tuesday, 19 Apr

SSS9.1/BG1.19/GM5.5/NH3.18 Coevolution of soils, landforms and vegetation: patterns,
feedbacks and ecosystem stability thresholds (co-organized)
Convener: Patricia Saco | Co-Conveners: Jantiene Baartman, Jose Rodriguez, Arnaud Temme

Orals
/Tue, 19 Apr, 13:30–17:15 / Room -2.20
13:30–13:45 Activation of vegetated parabolic dunes into mobile barchans under potential environmental change scenarios
Na Yan and Andreas C.W. Baas

AS3.12 - Atmospheric composition variability and trends PICO Session
Convener: Oksana Tarasova | Co-Conveners: Sophie Szopa, Euan Nisbet, Pedro Jimenez-Guerrero, Andrea Pozzer

PICO
/Tue, 19 Apr, 10:30–12:00 / PICO spot 4
EGU2016-15316
Semi-volatile inorganic species: importance for atmospheric chemical composition on diurnal and seasonal timescales
Hana Pearce, Graham Mann, Stephen Arnold, Fiona O'Connor, Francois Ben duhn, Steven Rumbold, and Kirsty Pringle

SM2.1/NH4.10 - Imaging and Modeling of Earthquake Sources (co-organized)
Convener: P. Martin Mai | Co-Conveners: Henriette Sudhaus, Martin VALLEE

Orals
/Tue, 19 Apr, 13:30–17:00 / Room K2
13:45–14:00 Slipping New Prior Assumptions into Old Inversion Methods - Application to the Napa Valley Earthquake
Ruth Amey and Andy Hooper

TS6.6/GM4.8 Fold-and-thrust belts and accretionary wedges: long-term deformation, short-term mechanics and seismicity, analogue and numerical models, fluid flow, surface processes, structural inheritance and relation to lithospheric rheology (co-organized)
Convener: Olivier Lacombe | Co-Conveners: Nadaya Cubas, Stefano Tavani, Philippe Steer

Posters
/ Attendance Tue, 19 Apr, 17:30–19:00 / Hall X2
EGU2016-8001
Changes in basal dip and frictional properties controlling orogenic wedge
X2.158 propagation and frontal collapse: the External central Betics case
Alejandro Jiménez-Bonilla, Taija Torvela, Juan-Carlos Balanyá, Manuel Díaz-Azpiroz, and Inmaculada Expósito

IE2.5/AS3.5/CL2.07 Media - Stratospheric aerosol, volcanic eruptions and their radiative effects (co-organized)
Convener: Graham Mann | Co-Conveners: Matthew Toohey, Claudia Timmreck
**Orals**

/ Tue, 19 Apr, 13:30–17:00 / Room 0.88

EGU2016-8786

The influence of stratospheric dynamics on the forcing efficacy of tropical volcanic SO2 injection: a case study around the 1991 Mount Pinatubo eruption

Sandip Dhomse, Graham Mann, Lauren Marshall, Anja Schmidt, Kenneth Carslaw, Martyn Chipperfield, Nicolas Bellouin, Olaf Morgenstern, Colin Johnson, and Fiona O'Connor

**Posters**

/ Attendance Tue, 19 Apr, 17:30–19:00 / Hall X3

EGU2016-8159

Disentangling the eruption source parameters that control the climate effects of volcanic eruptions

Lauren Marshall, Anja Schmidt, Graham Mann, Kenneth Carslaw, Sandip Dhomse, Jim Haywood, and Andy Jones

EGU2016-17204

The ISA-MIP Historical Eruption SO2 Emissions Assessment (HErSEA): an intercomparison for interactive stratospheric aerosol models

Graham Mann, Sandip Dhomse, Jianxiong Sheng, and Mike Mills

EGU2016-17292

Whole-atmosphere aerosol microphysics simulations of the Mt Pinatubo eruption: Part 2: Quantifying the direct and indirect (dynamical) radiative forcings

Graham Mann, Sandip Dhomse, Ken Carslaw, Martyn Chipperfield, Lindsay Lee, Kathryn Emmerson, Luke Abraham, Paul Telford, John Pyle, Peter Braesicke, Nicolas Bellouin, Mohit Dalvi, and Colin Johnson

EGU2016-17438

Pinatubo Emulation in Multiple Models (POEMs): co-ordinated experiments in the ISA-MIP model intercomparison activity component of the SPARC Stratospheric Sulphur and it's Role in Climate initiative (SSiRC)

Lindsay Lee, Graham Mann, Ken Carslaw, Matthew Toohey, and Valentina Aquila

AS1.23 - Dynamical coupling between the stratosphere and the troposphere

Convener: Thomas Reichler  |  Co-Conveners: Bo Christiansen, Seok-Woo Son

**Posters**

/ Attendance Tue, 19 Apr, 17:30–19:00 / Hall X2

EGU2016-12566

Do split and displacement sudden stratospheric warmings have different annular mode signatures?

Amanda Maycock and Peter Hitchcock

AS4.6 - Air-sea exchanges: Impacts on Biogeochemistry and Climate (including Vilhelm Bjerknes Medal Lecture)

Convener: Maria Kanakidou  |  Co-Conveners: Peter S. Liss, Parvadha Suntharalingam, Frank Dentener, Manmohan Sarin, Robert Duce, Alex Baker

**Posters**

/ Attendance Tue, 19 Apr, 17:30–19:00 / Hall X3
The influence of marine monoterpene emissions on cloud condensation nuclei concentrations over the Southern Hemisphere oceans

Hannah Walker, Steve Arnold, Dominick Spracklen, Alexandru Rap, Catherine Scott, Sina Hackenberg, and Lucy Carpenter

ST4.6/CL2.05 - Solar Irradiance variability and its effects on Climate (co-organized)
Convener: Martin Snow | Co-Conveners: K. Tourpali, Stergios Misios

16:30–16:45 EGU2016-12745
Defining a solar-ozone response for CMIP6
Amanda Maycock, Katja Matthes, Susann Tegtmeier, Remi Thieblemont, and Lon Hood

Posters
/ Attendance Tue, 19 Apr, 17:30–19:00 / Hall X4
EGU2016-8597
On the ambiguous nature of the 11-year solar cycle signal profile in stratospheric ozone
Sandip Dhomse, Martyn Chipperfield, Robert Damadeo, Joe Zawodny, William Ball, Wuhu Feng, Ryan Hossaini, Graham Mann, and Joana Haigh

TS5.2/GMPV5.12 - Tectonic and magmatic processes in extensional settings. Insights from cutting-edge seismic data, Iceland, East Africa, the South China Sea, and beyond (co-organized)
Convener: Craig Magee | Co-Conveners: Peter Clift, Rebecca Bell, David Iacopini, Giacomo Corti

Posters
/ Attendance Tue, 19 Apr, 17:30–19:00 / Hall X2
EGU2016-11592
Identifying deformation styles and causes at two deforming volcanoes of the Central Main Ethiopian Rift with seismic anisotropy
Andy Nowacki, Matthew Wilks, J-Michael Kendall, Juliet Biggs, Atalay Ayele, Beshaha Tulu, and Wookey James

Wednesday, 20 Apr

SSP2.9/GMPV1.7 Media - Mass Extinctions, Volcanism, Impacts, and Catastrophic Environmental Changes: Observations and Processes (sponsored by IAS and SEPM) (co-organized)
Convener: Sverre Planke | Co-Conveners: Thierry Adatte, Eric Font, Andrea Marzoli
Orals
/ Wed, 20 Apr, 13:30–17:00 / Room M2
13:30–13:45 EGU2016-299
Selective environmental stress from sulphur emitted by continental flood basalt eruptions
Anja Schmidt, Richard Skeffington, Thorvaldur Thordarson, Stephen Self, Piers
Forster, Alexandru Rap, Andy Ridgwell, David Fowler, Marjorie Wilson, Graham Mann, Paul Wignall, and Ken Carslaw

ST4.6/CL2.05 - Solar Irradiance variability and its effects on Climate (co-organized)
Convener: Martin Snow | Co-Conveners: K. Tourpali, Stergios Misios

Orals
/ Wed, 20 Apr, 13:30–17:00 / Room L1
16:30–
16:45 Defining a solar-ozone response for CMIP6
Amanda Maycock, Katja Matthes, Susann Tegtmeier, Remi Thieblemont, and Lon Hood

Posters
/ Attendance Tue, 19 Apr, 17:30–19:00 / Hall X4
EGU2016-8597
On the ambiguous nature of the 11-year solar cycle signal profile in stratospheric ozone
Sandip Dhomse, Martyn Chipperfield, Robert Damadeo, Joe Zawodny, William Ball, Wuhu Feng, Ryan Hossaini, Graham Mann, and Joana Haigh

BG2.2 - Carbon allocation in plants and ecosystems: mechanisms, responses and biogeochemical implications
Convener: Michael Bahn | Co-Conveners: Andrew Richardson, Mariah Carbone, Daniel Epron, Henrik Hartmann

Posters
/ Attendance Wed, 20 Apr, 17:30–19:00 / Foyer M
EGU2016-9607
Small global effect on terrestrial net primary production due to increased fossil fuel aerosol emissions from East Asia during the last decade.
Michael O'Sullivan, Alex Rap, Carly Reddington, Dominick Spracklen, and Wolfgang Buermann

TS6.8/SM6.20 - Building mountain roots: from geophysical approaches to geological concepts (in memory of M Beltrando) (co-organized)
Convener: Frédéric Mouthereau | Co-Conveners: Sebastien Chevrer, Gianreto Manatschal, Julie Tugend, Anne Replumaz, Boris Kaus

Posters
/ Attendance Wed, 20 Apr, 17:30–19:00 / Hall X2
EGU2016-14097
X2.242 Partial melt and seismic properties: A case study from the Seiland Igneous Province
Amicia Lee, Andrew Walker, Geoff Lloyd, and Taija Torvela

Thursday, 21 Apr

CL4.11 - Land-climate interactions from models and observations: Implications from past to future climate
Convener: Ryan Teuling | Co-Conveners: Sonia Seneviratne, Andrea Alessandri, Philippe Ciais, Gianpaolo Balsamo, Antje Weisheimer, Wim Thiery

**Orals**

/ Thu, 21 Apr, 08:30–12:00 / Room E1

**EGU2016-15602**

Including the biogeochemical impacts of deforestation increases projected warming of climate

**Catherine Scott**, Sarah Monks, Dominick Spracklen, Stephen Arnold, Piers Forster, Alexandru Rap, Kenneth Carslaw, Martyn Chipperfield, Carly Reddington, and Christopher Wilson

AS3.2 - Constraining global aerosol model forcing estimates with in-situ observations


**Orals**

/ Thu, 21 Apr, 15:30–17:00 / Room F2

**EGU2016-13574**

The relationship between aerosol model uncertainty and radiative forcing uncertainty

**Ken Carslaw**, Lindsay Lee, and Carly Reddington

AS3.7/CL2.06 - Radiative effects of natural and anthropogenic aerosols (co-organized)

Convener: Andreas Petzold | Co-Conveners: Bernadett Weinzierl, Piers Forster, Joshua Schwarz

**Posters**

/ Attendance Thu, 21 Apr, 17:30–19:00 / Hall X2

**EGU2016-13510**

Parametric uncertainties in global model simulations of black carbon column mass concentration

**Hana Pearce**, Lindsay Lee, Carly Reddington, Ken Carslaw, and Graham Mann

**EGU2016-16109**

Climate impacts of biogenic organic compounds

**Kamalika Sengupta**, Hamish Gordon, Joao Almeida, Alex Rap, Catherine Scott, Kirsty Pringle, and Ken Carslaw

CL1.12/CR1.17/OS1.11 Media - Antarctic palaeoclimates, sea level change and ice dynamics in past warm episodes: marrying models and data (co-organized)

Convener: Peter Bijl | Co-Conveners: Carlota Escutia, Aisling Dolan

**Posters**

/ Attendance Thu, 21 Apr, 17:30–19:00 / Hall X2

**EGU2016-15853**

Climate Model Dependency and Understanding the Antarctic Ice Sheet during the Warm Late Pliocene

**Aisling Dolan**, Bas de Boer, Jorge Bernales, Stephen Hunter, and Alan Haywood

**EGU2016-16572**

Marine ice sheet collapse and terrestrial climate stability in Pliocene East
Antarctica

Daniel Hill and Yvonne Smith

CL4.02/OS1.9 - Interactions and feedbacks between land ice, sea ice and ocean in the Arctic (co-organized)

Convener: Helle Astrid Kjær  |  Co-Conveners: Ruth Mottram, Kerim Nisancioglu

Posters
/ Attendance Thu, 21 Apr, 17:30–19:00 / Hall X3

EGU2016-7188
Sensitivity of Pliocene Arctic climate to orbital forcing, atmospheric CO2 and sea ice albedo parameterisation
Fergus Howell, Alan Haywood, and Steven Pickering

GI2.4 - Scientific Exploitation of Copernicus Sentinels

Convener: Josef Aschbacher  |  Co-Convener: Yves-Louis DESNOS

Posters
/ Attendance Thu, 21 Apr, 17:30–19:00 / Hall A

EGU2016-7129
SPICE: Sentinel-3 Performance Improvement for Ice Sheets
A.442 Malcolm McMillan, Andrew Shepherd, Monica Roca, Maria Jose Escorihuela, Pierre Thibault, Frederique Remy, Roger Escola, Jerome Benveniste, Americo Ambrozio, and Marco Restano

Friday, 22 Apr

GMPV5.7 - Storage, activation and transport processes in magmatic systems

Convener: Hélène Balcone-Boissard  |  Co-Conveners: Chiara P Montagna, Danilo Di Genova, Szabolcs Harangi, and Sam Poppe

Posters
/ Attendance Fri, 22 Apr, 17:30–19:00 / Hall X2

EGU2016-6377
Evolution of Pleistocene to Holocene eruptions in the Lesser Caucasus Mts: Insights from geology, petrology, geochemistry and geochronology
Ivan Savov, Khachatur Meliksetian, Charles Connor, Arkadi Karakanian, Patrick Sugden, Gevorg Navasardyan, Ralf Halama, Osamu Ishizuka, Laura Connor, and Sergei Karapetian

OS5.1/AS4.23 - Internal Gravity Waves (co-organized)

Convener: Chantal Staquet  |  Co-Conveners: Ulrich Achatz, Erich Becker, Riwal Plougonven, and Bruno Ribstein

Posters
/ Attendance Fri, 22 Apr, 08:30–10:00 / Hall X4

EGU2016-9798
X4.67 Convectively Forced Gravity Waves and their Sensitivity to Heating Profile and Atmospheric Structure
Oliver Halliday, Douglas Parker, Stephen Griffiths, Simon Vosper, and Alison Stirling

CR1.2/CL4.19 Media - Ice-sheet and climate interactions (co-organized)
Convener: Heiko Goelzer  | Co-Conveners: Philippe Huybrechts, Andrei Ganopolski

**Orals**
/ Fri, 22 Apr, 08:30–10:00 / Room L2

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>09:00-</td>
<td>How much did the North American ice sheet contribute to Meltwater Pulse 1a?</td>
<td>Lauren Gregoire, Bette Otto-Bliesner, and Paul Valdes</td>
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<td>09:15-</td>
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GD7.1/EMRP4.5/TS8.5 - Long-term rheological behavior of the crust and mantle inferred from observations and models at laboratory and geological time and spatial scales (in memory of E. Burov) (co-organized)
Convener: Laurent Jolivet  | Co-Conveners: Yury Podladchikov, Anthony Watts

**Orals**
/ Thu, 21 Apr, 17:30–19:00 / Room 2.20
/ Fri, 22 Apr, 08:30–12:00 / 13:30–15:00 / Room 2.20

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<th>Time</th>
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<tbody>
<tr>
<td>09:30-</td>
<td>Inferences of Integrated Lithospheric Strength from Plate-Scale Analyses of Deformation Observed in the Aegean-Anatolian Region and the Indian Ocean</td>
<td>Gregory Houseman</td>
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<td>09:45-</td>
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IE3.1/TS3.1/GM4.5 - Interactions between tectonics and surface processes from mountain belts to basins (co-sponsored by the Tectonophysics section of AGU) (co-organized)
Convener: Alex Whittaker  | Co-Conveners: Dirk Scherler, Wolfgang Schwanghart

**Orals**
/ Fri, 22 Apr, 08:30–12:00 / 13:30–15:00 / Room K2

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<th>Time</th>
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<tbody>
<tr>
<td>10:45-</td>
<td>Rates of surface lowering and landscape development in southern South Africa: a cosmogenic view</td>
<td>Janet Richardson, Veerle Vanacker, Andreas Lang, and David Hodgson</td>
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<td>11:00-</td>
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IE4.2/CL4.03/CR1.11/OS1.15 Media - Processes and Impacts of climate change in the Arctic realm: from past to future (co-organized)
Convener: Anne de Vernal  | Co-Conveners: Paul G. Myers, Michal Kucera, Georg Schwamborn, Paul Knutz, Brice Rea, Marit-Solveig Seidenkrantz, Hugues Goosse, Eric Wolff

**Orals**
/ Fri, 22 Apr, 10:30–12:00 / 13:30–15:00 / Room G2

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<th>Time</th>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>14:00-</td>
<td>The effect of sudden ice sheet melt on ocean circulation and surface climate 14-16 ka</td>
<td>Ruza Ivanovic, Lauren Gregoire, Andrew Wickert, and Paul Valdes</td>
</tr>
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</table>