

CLIMRISK19



7th Annual Conference

Trento, 23-25 October 2019

Climate Risk: Implications for Ecosystem Services and Society, Challenges, Solutions

PROGRAMME OVERVIEW

Wed, 23 Oct	Thu, 24 Oct	Fri, 25 Oct
	08:15-09:00 <i>Registration of participants</i>	
09:00-09:50 <i>Registration of participants</i>	09:00-11:10 PARALLEL SESSION 3 S.07 - Explore, predict and project climate variations and extremes III S.08 - Climate related impacts on natural and human systems III S.09 - Risks and adaptation options in a warmer world I	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>10:00-13:00 Side Event: CLIMA E COMUNICAZIONE Comunicare il rischio ambientale: i media, il clima, gli eventi estremi</p> </div> <div style="width: 45%;"> <p>10:00-13:00 Side Event: CLIMA E SERVIZI CLIMATICI I servizi climatici per la riduzione dei rischi da eventi estremi</p> </div> </div>
09:50-10:00 <i>Conference opening and welcome</i>		
10:00-11:00 KEYNOTE LECTURE PL.01 James Painter		
11:00-11:30 <i>Coffee break</i>		
11:30-13:00 PARALLEL SESSION 1 S.01 - Explore, predict and project climate variations and extremes I S.02 - Climate related impacts on natural and human systems I S.03 - Urban areas: assessing, predicting and managing the current and future risk	11:10-11:40 <i>Coffee break</i>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>15:00-17:30 Side Event CLIMA E PAESAGGIO Cambiamento climatico e paesaggio delle Dolomiti</p> </div> <div style="width: 45%;"> <p>10:00-18:00 Side Event CLIMA E SCUOLA Giornata ai MUSE di studio e formazione per i docenti e gli studenti delle scuole</p> </div> </div>
11:40-12:40 KEYNOTE LECTURE PL.03 Annapaola Rizzoli		
12:40-13:20 SISC Assembly		
13:00-14:00 <i>Lunch</i>	13:00-14:00 <i>Lunch</i>	
14:00-15:00 KEYNOTE LECTURE PL.02 Carlo Buontempo	14:00-16:10 PARALLEL SESSION 4 S.10 - Climate services and their potential to support adaptation and risk management S.11 - Climate policies and mitigation strategies for ambitious climate targets S.12 - Risks and adaptation options in a warmer world II	
15:00-17:10 PARALLEL SESSION 2 S.04 - Explore, predict and project climate variations and extremes II S.05 - Climate related impacts on natural and human systems II S.06 - Climate policies and mitigation strategies for ambitious climate targets	16:10-16:30 <i>Coffee break</i>	
17:10-17:30 <i>Coffee break</i>	16:30-17:30 POSTER SESSION 2	
17:30-18:30 POSTER SESSION 1	17:30-18:00 <i>Best poster award and conference closing</i>	
20:00 <i>Social dinner</i>		
		Sat, 26 Oct
		08.30-18.30 Side Event ESCURSIONE: I luoghi del disastro VAIA

Partners



PROVINCIA AUTONOMA DI TRENTO



In collaboration with



With the support of



FINAL PROGRAMME

(last updated: 23 Oct 2019)

Wed
23
Oct09:00 – 09:50 - Hall
RegistrationWed
23
Oct09:50 - 10:00 – Room Depero
Conference opening and welcomeSilvio **GUALDI**, SISC PresidentMirko **BISESTI**, Council member for education, university and culture, Autonomous Province of TrentoRoberto **BARBIERO**, Chair of the Local organiser committee, Autonomous Province of TrentoWed
23
Oct10:00 - 11:00 – Room Depero
PL.01 - Plenary Session 1
Chair: C. BARBANTE**Communicating risk and uncertainty via the media**

Keynote speaker: James Painter

Wed
23
Oct11:00 - 11:30 – Room Wolf
Coffee break

PARALLEL SESSION 1

Wed
23
Oct11:30 - 13:00 – Room Depero
S.01 – Explore, predict and project climate variations and extremes
Chair: A. PASINI**Climate change, glaciers melting, and risks perception on the Mont Blanc region. An overview from the anthropological perspective****E. DALL'Ó****The white heart of Trentino is tired****C. CASAROTTO****Drought characterization over Trentino – South Tyrol: Assessment of trends in meteorological indices and impacts on vegetation from optical remote sensing imagery****A. CRESPI**, P. Bartkowiak, F. Greifeneder, C. Notarnicola, L. Pasolli, M. Zebisch, M. Castelli, M. Petitta**Climatic monitoring in an alpine long term socio-ecological research site****G. BERTOLDI**, C. Brida, G. Niedrist, A. Zandonai, S. Della Chiesa, J. Klotz, N. Obojes, V. Fontana, U. Tappeiner▷ *Poster flash talks***Two hundred years of temperature observations in the City of Trento, Alps (1816-2018)****M. MARCHIO**, L. Zaniboni, M. Vinante, L. Giovannini, D. ZardiWed
23
Oct11:30 - 13:00 – Room Belli
S.02 - Climate related impacts on natural and human systems I
Chair: E. ECCEL**Mosquito-borne infections in Europe: Assessment of public health risks via temperature-driven mathematical models****G. GUZZETTA**, P. Poletti, F. Trentini, G. Marini, M. Manica, A. Rizzoli, R. Rosa', S. Merler**Quantitative impacts of temperature on mosquito dynamics and their transmitted pathogens: A modelling approach****G. MARINI**, M. Manica, A. Rizzoli, R. Rosà

Climate Risk: Implications for Ecosystem Services and Society, Challenges, Solutions

Mosquito extremes: How warmer climate and extremes precipitation change freshwater ecology and increase human health risks

N. BRESSI

Zoonoses in a global changes context: the case of Tick-borne encephalitis (TBE) virus in the Autonomous Province of Trento

V. TAGLIAPIETRA, D. Arnoldi, M. Manica, R. Rosà, L. Delucchi, F. Rosso, N. Alfano, A. Rizzoli

▷ *Poster flash talks*

Seasonal forecast in the winter stratosphere

A. PORTAL, P. Ruggieri, F. Palmeiro, J. Garcia-Serrano, S. Gualdi

Wed
23
Oct

11:30 - 13:00 – Room "Sala Stampa"

S.03 - Urban areas: assessing, predicting and managing the current and future risk

Chair: P. MERCOGLIANO

Adaptation to climate change in urban areas: The use of specific climatology by professionals and local stakeholders involved in urban planning and management

C. LAVECCHIA, G. Frustaci, S. Pilati, E. Montoli, M. Pregolato, M. Lapi, A. De Carli, B. Costa

Adapting to climate change in Hungarian cities – reviewing lessons of the Mediterranean area to avoid negative lock-ins

A. BUZÁSI

Assessment of direct and indirect impacts of urban flood in Monza

M. AROSIO, L. Cesarini, M. Martina, E. Creaco

Chemoresistive gas-sensor technology for detecting and mapping greenhouse and pollutant gases: Is it a viable solution?

A. GAIARDO, P. Bellutti, C. Dolci, E. Demenev, V. Miotto, F. Antonelli, A. Maestrini

▷ *Poster flash talks*

Wed
23
Oct

13:00 - 14:00 – Room R. Wolf
Lunch

Wed
23
Oct

14:00 - 15:00 – Room Depero
PL.02 - Plenary Session 2
Chair: S. GUALDI

Climate Services in Europe: Current challenges and future perspectives

Keynote speaker: Carlo Buontempo

PARALLEL SESSION 2

Wed
23
Oct

15:00 - 17:10 – Room Depero
S.04 - Explore, predict and project climate variations and extremes
Chair: S. GUALDI

Convective clustering and climate sensitivity

A. TOMPKINS, S. Bony, A. Semie, A. Perez

Time of emergence of climate change in West Africa: Precipitation metrics

M. GAETANI, A. M. Famien, S. Janicot, M. Vrac, B. Sultan

Northern hemisphere monsoon response to mid-Holocene orbital forcing and greenhouse gas-induced global warming

S. BORDONI, R. D'Agostino, J. Bader, D. Ferreira, J. Jungclaus

Is natural variability really natural? The case of Atlantic multidecadal oscillation

A. PASINI, E. Federbusch, S. Amendola

Decadal Predictability in the North Atlantic: the impact of the Atlantic Multidecadal Variability on the Atlantic Storm Track

A. BELLUCCI

Seasonal sources of predictability for the Euro-Mediterranean sector from different Earth system components

M. BENASSI, S. Materia, P. Ruggieri, L. Batté, C. Ardilouze, J. Garcia-Serrano, F. Palmeiro, C. Prodhomme, S. Gualdi

▷ *Poster flash talks*

Climate Risk: Implications for Ecosystem Services and Society, Challenges, Solutions

Delivering Essential Lake Climate Variables - an update from ESA CCI Lakes

M. PINARDI

Wed
23
Oct

15:00 - 17:10 – Room Belli

S.05 - Climate related impacts on natural and human systems II

Chair: C. CASAROTTO

Potentialities from airborne allergenic pollen phenology to track climate change effects

F. CRISTOFOLINI, F. Zottele, J. Oteros, E. Gottardini

Modeling crop-specific impact of heat waves by deep learning: wine production in Trentino (Italy)

A. ALIKADIC, A. Gobbi, C. Furlanello

FloodMage - Climate Modelling of Flood Risk (CLARA CS)

M. AMADIO, H. Essenfelder, C. Alvarez-Castro

▷ *Poster flash talks***Impact of climate change on society in Mongolia. Herders' families case study**

M. BURCHARD-DZIUBIŃSKA, Elżbieta Antczak, Tzolmontuya Myagmarjav

Glacier retreating driving changes in downstream freshwater systems: evidences from Italian Alps

V. LENCIONI, G. Bianchini, F. Camin, E. Stella, A. Trenti, A. Bellin

Development of a forest land suitability model for Lebanon reforestation under climate change conditions

N. JEZZINI, M Mulas, V. Mereu, N. Nassif, G. Hassoun

Wed
23
Oct

15:00 - 17:10 – Room "Sala Stampa"

S.06 – Climate policies and mitigation strategies for ambitious climate targets

Chair:

Life cycle assessment of a carbon negative emission process based on ocean liming and CO₂ storage

F. CAMPO, S. Caserini, B. Beccari Barreto, D. Pagano, G. Dolci, M. Grosso

Alkalinisation strategies in the Mediterranean Sea for an efficient removal of atmospheric CO₂ and the mitigation of ocean acidification

T. LOVATO, M. Butenschön, S. Masina, S. Caserini, M. Grosso

Climate change action in a large university: Methodologies and results of the CO₂ mitigation plan of Politecnico di Milano

S. CASERINI, P. Baglione, E. Perotto, G. Messori, E. Morello, P. Beria, S. Tolentino, M. Delfanti, E. Macchi, M. Motta, G. Dragoni

Potential of maritime transport in the mediterranean sea for ocean liming and CO₂ removal

D. PAGANO, S. Caserini, G. Cappello, M. Grosso

Vulnerability and risk assessment at regional scale: the Sardinia case study

S. Marras, V. Bacciu, V. Mereu, A. Trabucco, S. Mereu, M. Sodde, M. Ventroni, P. Mercogliano, G. Barbato, V. Villani,

D. SPANO

▷ *Poster flash talks*Wed
23
Oct

17:10 - 17:30 – Room Wolf

Coffee break

Wed
23
Oct17:30 - 18:30 – Room Wolf
PS.01 - Poster Session 1*Predicting the evolution of the Earth system*

1. [Seasonal variability in the South Asian monsoon dynamics](#)
S. BORDONI, J. Walker
2. [Atmospheric circulation errors in the CMCC-SPSv3 model: Climate drift dynamics and impact on seasonal forecasts](#)
G. DAVOLI, S. Tibaldi, S. Gualdi
3. [Seasonal forecast in the winter stratosphere](#)
A. PORTAL, P. Ruggieri, F. Palmeiro, J. Garcia-Serrano, S. Gualdi

Weather and climate extremes in the Alpine region, in a changing climate

4. [The valley glaciers of the Italian Eastern Alps may survive beyond this century?](#)
S. ZECCHETTO, R. Serandrei-Barbero, S. Donnici

Glaciers, ice sheets, sea-ice: climate of the past and future tipping points

5. [Analysis of the evolution of Fradusta Glacier – “Pale di San Martino” 1994-2019](#)
C. FERRARI, G. Taufer, M. Zumiani, E. Bertoni, S. Adami
6. [Inventory of Trentino glacier and their evolution from Little Ice Age](#)
C. CASAROTTO, A. Trenti

Risks and adaptation options in a warmer world

7. [Assessing geomorphological threats from a changing alpine cryosphere: Little Ice Age glacial deposits and permafrost areas in the hazard maps of Trentino](#)
M. ZUMIANI, R. Seppi, L. Carturan, T. Zanoner, A. Carton
8. [Building community resilience against climate change: The “Atrapaniebla Comuneros” project in Peña Blanca, Chile](#)
G. Dall'Osteria, D. ZARDI, N. Schneider, M. Bezzi, M. Zortea
9. [Mapping wildfire risk in Lebanon: Challenging a stepwise approach for effective purposes](#)
S. ZEIDAN, V. Bacciu, N. Nassif, G. Mitri, D. Spano

Climate trends: changes in means and extreme events in observations, simulations and projections

10. [Analysis of temperature climate trends in Puglia and Basilicata](#)
F. SAULLE, U. Fratino, V. Iacobellis, M. Vurro
11. [Are the short and intense precipitations in North of Italy affected by a significant trend?](#)
L. CESARINI, M. Lloyd, V. Martina
12. [Assessment of extreme drought episodes over Po Plain \(Italy\)](#)
A. BARONETTI, F. Acquavotta, V. Dubreuil, J.C. González-Hidalgo, S.M. Vicente-Serrano, S. Fratianni
13. [Evaluation of a Convection Permitting Model simulation and comparison with EURO-CORDEX ensemble](#)
M. Adinolfi, M. Montesarchio, M. Raffa, E. Bucchignani, P. MERCOGLIANO
14. [Heat Events in the Indian Subcontinent under a warming climate scenario: Detection and its drivers](#)
R. KAPOOR, E. Scoccimarro, C. Alvarez-Castro, S. Materia, S. Gualdi
15. [Local climate change analysis as support of adaptation plan: Experience from ADRIADAPT project](#)
R. TOMOZEIU, R. Monti, V. Marletto, L. Botarelli
16. [Precipitation patterns on Mount Baldo \(Italy\): Climatological analysis and dependence on synoptic conditions](#)
A. Terenzi, L. GIOVANNINI, M. Falocchi, D. Zardi
17. [Satellite altimetry and in situ observations: Estimating relative and absolute sea level rise in Northern Adriatic Sea \(Venice and Trieste\)](#)
F. DE BIASIO, S. Vignudelli, A. Scozzari, A. Papa, S. Zecchetto, G. Baldin
18. [The influence of CO₂ forcing on North American monsoon moisture surges and precipitation intensity in the southwestern United States](#)
S. BORDONI, S. Pascale, S.B. Kapnick, T.L. Delworth
19. [Two hundred years of temperature observations in the City of Trento, Alps \(1816-2018\)](#)
M. MARCHIO, L. Zaniboni, M. Vinante, L. Giovannini, D. Zardi

Climate Risk: Implications for Ecosystem Services and Society, Challenges, Solutions

Mitigation strategies for ambitious climate targets

20. **Climate risk mitigation: How finance works?**

V. Boscia, **B. COLUCCIA**, F. De Leo, V. Stefanelli

21. **Estimating the forest carbon budget: A key challenge in implementing the Paris Agreement in Russia**

A. PYZHEV

Wed
23
Oct

20:00 - 23:00

Social Dinner

Rotari Wine Cellar in Mezzocorona (TN)

Shuttle bus available. Meeting point at 19:30 in Piazza Dante 16 (in front of Palazzo della Regione Autonoma Trentino-Alto Adige/Südtirol. Please wear your badge. At the end of the dinner (at around 23.00), buses will take participants to Piazza Dante.

Thu
24
Oct

08:15 - 09:00 – Hall

Registration

PARALLEL SESSION 3

Thu
24
Oct

09:00 - 11:10 – Room Depero

S.7 - Explore, predict and project climate variations and extremes

Chair: D. ZARDI

Aggregation of convection in RCE simulations and their possible implications for climate

P. BONGIOANNINI CERLINI, L. Silvestri, M. Saraceni

The Vaia storm event of 27-30 October 2018 in the Eastern Italian Alps: Forcing mechanisms and sensitivity to boundary conditions

L. GIOVANNINI, S. Davolio, F. Marra, M. Zaramella, D. Zardi, M. Borga

The role of data in understanding changes in hydrologic extremes

P. CLAPS, D. Ganora, A. Libertino

Trends in the severe weather events simulated by SPHERA, a convection-permitting reanalysis over Italy

I. CERENZIA, T. Paccagnella, A. Montani, M. Lacavalla, R. Bonanno, S. Sperati, V. Capecchi

Investigating about climate-change hazards that might impact electric infrastructures

P. FAGGIAN, G. Decimi

Metrology for meteorology and climate

A. MERLONE, G. Coppa, C. Musacchio, F. Sanna, S. Bell, M. de Podesta, V. Fuksov, F. Madonna, M. Rosoldi, C. Garcia Izquierdo, D. Groselj, G. Beges, Y.-G. Kim, P. Thorne, E. Van der Ham, X. Hao

▷ *Poster flash talks*

Thu
24
Oct

09:00 - 11:10 – Room "Sala Stampa"

S.08 - Climate related impacts on natural and human systems III

Chair: A. DELL'AQUILA

Climate disasters, income inequality and poverty: A panel analysis

O. ZAPATA

The Climate Report 2018 for South Tyrol: an interdisciplinary approach for communicating local climate change impacts and adaptation strategies

A. Crespi, **G. BERTOLDI**, Zebisch

Electricity demand and climate adaptation in Brazil: Estimation and cross validation of sectoral demand shocks

F.P. COLELLI, M. N. Mistry

Climate Risk: Implications for Ecosystem Services and Society, Challenges, Solutions

Investigation and structural characteristics of household energy consumption in pastoral areas of the Qinghai-Tibet plateau: a case study of Qinghai province

R. XING, L. Jiang

Impact of warming climate and changes of precipitation intensity on early grape-harvest of premium wine in Italy

P. DI CARLO, E. Aruffo, W.H. Brune

▷ Poster flash talks

Thu
24
Oct

09:00 - 11:10 – Room Belli
S.09 - Risks and adaptation options in a warmer world I
Chair: D. SPANO

A multiscale perspective in Green Infrastructures planning to foster climate change adaptation in urban areas

C. APREDA, S. Voirin, A. Reder, P. Mercogliano

Addressing climate change adaptation governance in mountain regions: The application of the Budoia Charter as a regional case-study for local adaptation action in the Alps

L. Cetara, M. Pregnotato, P. La Malva, A. BALLARIN DENTI, P. Di Carlo, M. Lapi

Option value and the social cost of carbon: What are we waiting for?

P.H. HOWARD, A. Golub, O. Lugovoy

Exploring Machine learning potential for climate change risk assessment and adaptation planning

F. ZENNARO, E. Furlan, S. Torresan, C. Simeoni, A. Critto, A. Marcomini

An innovative tool to mitigate drought impacts through risk financing

B. MONTELEONE, M. Martina

▷ Poster flash talks

Thu
24
Oct

11:10 - 11:40 – Room Wolf
Coffee break

Thu
24
Oct

11:40 - 12:40 – Room Depero
PL.03 - Plenary Session 3
Chair: R. VALENTINI

Climate change and health: emerging zoonoses

Keynote speaker: Annapaola Rizzoli

Thu
24
Oct

12:40 - 13:40 – Room Depero
SISC General Assembly

Thu
24
Oct

13:00 - 14:00 – Room Wolf
Lunch

PARALLEL SESSION 4

Thu
24
Oct

14:00 - 15:50 – Room Depero
S.10 - Climate services and their potential to support adaptation and risk management
Chair: L. GIOVANNINI

Evaluation of meteorological information and services - a case study of Taiwan's agricultural sector

H.-I LIN, J.-L. Liou, H.-Y. Liou

Turning climate data into value for productive activities in the users perspective

A. DELL'AQUILA, S.Calmanti, F. Catalano, I. Cionni, M. Petitta, L. Ponti

Statistical tools for Mediterranean seasonal forecast

M.C. ALVAREZ-CASTRO, P. Marson, S. Materia, D. Faranda, S. Gualdi

Isolating the role of end-user behavior in the assessment of seasonal forecast value

M. GIULIANI, L. Crochemore, I. Pechlivanidis, A. Castelletti

Climate Risk: Implications for Ecosystem Services and Society, Challenges, Solutions

[Clim'Ability Diag, web tool for a self-diagnostic of the sensitivity of a company to climate change](#)

S. ROY, M. Schneider, N. Scholze

[Valuing climate services: Evidences from the CLARA Project](#)

E. DELPIAZZO, F. Bosello

▷ *Poster flash talks*

Thu
24
Oct

14:00 - 15:50 – Room "Sala Stampa"

S.11 - Climate policies and mitigation strategies for ambitious climate targets

Chair: S. CASERINI

[Certified wood price premium harvested from Borneo's rainforest with biodiversity conservation and carbon storage](#)

T. TSUGE, A. Onuma

[Sustainable development, agriculture and climate change in the EU post-2020 policy pathways](#)

M. Alabrese, A. SABA

[Effects of climate change on the opportunity cost of health risk and value of time: A household production approach](#)

C.-Y. Ting, C.-H. HUANG

[Building regional policies for a sustainable woody biomass exploitation for energy production in the Alpine region: An example from the Province of Trento](#)

S. VERONESI, L. Laiti, V. Francescato, A. Bello, S. Cattani, G. Giovannini, D. Fedel, P. Baggio

[SDG compliance and climate finance as implementative driver for adaptation policies](#)

D. VITO

▷ *Poster flash talks*

Thu
24
Oct

14:00 - 15:50 – Room Belli

S.12 - Risks and adaptation options in a warmer world II

Chair: A. BALLARIN DENTI

[A portfolio analysis of adaptation strategies in the agricultural sector in Rwanda](#)

F. FRASCHINI

[Water pricing under climate risks and SDGs](#)

C.-W. YANG, J.-R. Wu, P.-C. Chen, C.-C. Yu

[What the effect of International Agreements on the diffusion of climate insurance?](#)

D. Porrini, F. DE MASI

[Risk assessment for coastal ecosystem services under changing climate and land use scenarios: Results from the SAVEMEDCOAST and TRITON projects](#)

E. FURLAN, S. Torresan, M. K. Dal Barco, D. Derepasko, A. Critto, A. Marcomini

▷ *Poster flash talks*

Thu
24
Oct

16:10 - 16:30 – Room Wolf

Coffee break

Thu
24
Oct

16:30 - 17:30 – Room Wolf

PS.02 - Poster Session 2

Climate services and their potential to support adaptation and risk management

1. [Evaluation of rainfall Seasonal Forecast: An operational case study](#)

M.C. ALVAREZ-CASTRO, S. Materia, M.M. Chaves-Montero, S. Gualdi

2. [Innovation in agriculture risk management](#)

A. Berti, P. BERTANZA, V. Zattoni, S. Corradini, C. Furlanello, A. Dalpiaz, L. Cattani, L. Lovatti, D. Zardi

3. [High-resolution gridded datasets of near-surface variables for climate applications](#)

Cristian LUSSANA, Line Båserud

4. [Cost or loss? Assessing skill and potential value of cold-spell subseasonal forecasts](#)

S. MATERIA, A.G. Muñoz, M.C. Alvarez-Castro, S.J. Mason, F. Vitart, S. Gualdi

Climate Risk: Implications for Ecosystem Services and Society, Challenges, Solutions

5. [Evaluation of climate services and risks management: The case of agriculture](#)
C.-W. YANG, H.-I L., C.-W. Yang, C.-W. Chang, H.-Y. Liu
6. [Exploring operational applicability of seasonal forecasts in Europe and North Africa for agriculture and forestry](#)
JM Costa-Saura, V. Bacciu, V. Mereu, A. Trabucco, **D. SPANO**

Climate related impacts on natural and human systems

7. [An integrated System Dynamics Model for multi-risk assessment for water scarcity in the Noce river catchment \(Province of Trento, Italy\)](#)
S. TERZI, J. Sušnik., S. Masia, S. Schneiderbauer, S. Torresan, A. Critto
8. [Climate migrations: a review of the social and ethic impacts of climate change on human systems](#)
A. RIPÀ, A. Lombardi, L. Di Antonio
9. [Projecting Conflict under a Changing Climate: An Artificial Intelligence application](#)
G. ACCARINO,, Paola Vesco, Maria Luisa Gabrielli, Edoardo Arnaudo, Malcolm Mistry, Giovanni Aloisio
10. [Delivering Essential Lake Climate Variables - an update from ESA CCI Lakes](#)
M. PINARDI, M. Bresciani, C. Giardino, G. Free, S. Simis, J.-F. Cretaux, C. Merchant, H. Yesou, Claude Duguay, Bruno Coulon
11. [Development of a forest land suitability model for Lebanon reforestation under climate change conditions](#)
N. JEZZINI, M Mulas, V. Mereu, N. Nassif, G. Hassoun
12. [Glacier retreating driving changes in downstream freshwater systems: evidences from Italian Alps](#)
V. LENCIONI, G. Bianchini, F. Camin, E. Stella, A. Trenti, A. Bellin
13. [Impact of agricultural drought resilience on the welfare of smallholder livestock farming households](#)
R. Maltou, Y.T. BAHTA
14. [Impact of climate change on society in Mongolia. Herders' families case study](#)
M. BURCHARD-DZIUBIŃSKA, Elżbieta Antczak, Tzolmontuya Myagmarjav
15. [Natural hazard risk reduction in the Alpine region: an assessment of alternative protection measures under different environmental scenarios](#)
S. COCUCCIONI Stefan Steger , Alice Crespi , Marc Zebisch , Stefan Schneiderbauer
16. [Reducing the scatterometer-model sea surface wind bias in the Mediterranean Sea for storm-surge forecast application: the operational system of the Tide Forecasting Center in Venice](#)
F. DE BIASIO, S. Zecchetto, A. Papa
17. [Representing water-land-energy-food-climate NEXUS in sardinia with system dynamics modelling](#)
A. Trabucco, S. Masia, J. Sušnik, **D. SPANO**, S. Mereu
18. [The SIM4NEXUS approach to policy-relevant nexus research: From system concept to serious game](#)
J. Sušnik, S. Masia, A. Trabucco, **D. SPANO**, S. Mereu
19. [The impact of climate change in a rural agricultural system: a case study from Alto Huallaga Valley \(Perú\)](#)
L. Serrao, L. GIOVANNINI, L.E. Balcazar Terrones, H. Huamani Ypanqui, D. Zardi

Climate policies and transition pathways in the context of sustainable development

20. [Adaptation planning and sustainability in Hungary](#)
M.S. CSETE

Thu
24
Oct

17:30 - 18:00 – Room Depero
Closing Ceremony and Best Poster Award

SIDE EVENTS

On Friday, October 25th, the conference will host three side events. Participation in these events is free of charge, but registration is mandatory. Italian is the side-events official language

Fri
25
Oct

10.00-13.00
Sala del Consorzio dei Comuni Trentini, Trento

CLIMA E COMUNICAZIONE
Comunicare il rischio ambientale: i media, il clima, gli eventi estremi

Climate Risk: Implications for Ecosystem Services and Society, Challenges, Solutions

Fri
25
Octh.10.00-13.00
Sala Belli, Provincia Autonoma di Trento, TrentoCLIMA E SERVIZI CLIMATICI
I servizi climatici per la riduzione dei rischi da eventi estremiFri
25
Oct10.00-18.00
MUSE-Museo delle Scienze, TrentoCLIMA E SCUOLA
Giornata al MUSE di studio e formazione per i docenti e gli studenti delle scuoleFri
25
Oct15.00-17.30
Sala del Consorzio dei Comuni Trentini, TrentoCLIMA E PAESAGGIO
Cambiamento climatico e paesaggio delle Dolomiti

On Saturday, October 26th, a tour is organised for the SISC participant to visit Paneveggio Natural Park, where last year storm Vaia caused considerable damages to the forests. The tour guide will be held in Italian language.

Sat
26
Oct08.30-18.30
Paneveggio Natural ParkESCURSIONE
I luoghi del disastro VAIA

PARTICIPANTS' LIST

(last update: 23 Oct 2019)

Gabriele **ACCARINO**, University of Salento, Fondazione CMCC, Italy
 Azra **ALIKADIC**, Bruno Kessler Foundation, Italy
 Carmen **ALVAREZ-CASTRO**, Fondazione CMCC, Italy
 Mattia **AMADIO**, Fondazione CMCC, Italy
 Carmela **APREDA**, Fondazione CMCC, Italy
 Marcello **AROSIO**, Scuola Universitaria Superiore IUSS Pavia, Italy
 Paola **BAGLIONE**, Politecnico di Milano, Italy
 Yonas **BAHTA**, University of the Free State, South Africa
 Antonio **BALLARIN-DENTI**, Fondazione Lombardia per l'Ambiente, Italy
 Carlo **BARBANTE**, Ca' Foscari University of Venice, Italy
 Roberto **BARBIERO**, Dipartimento Protezione Civile - Provincia autonoma di Trento, Italy
 Alice **BARONETTI**, University of Turin, Italy
 Alessio **BELLUCCI**, Fondazione CMCC, Italy
 Marianna **BENASSI**, Fondazione CMCC, Italy
 Pietro **BERTANZA**, Co.Di.Pr.A. Condifesa Trento, Italy
 Giacomo **BERTOLDI**, Eurac Research, Italy
 Mirko **BISESTI**, Provincia autonoma di Trento, Italy
 Paolina **BONGIOANNINI CERLINI**, CIRIAF Università degli Studi di Perugia, Italy
 Simona **BORDONI**, University of Trento, Italy
 Lucio **BOTARELLI**, ARPAE, Italia
 Nicola **BRESSI**, Museo Civico di Storia Naturale di Trieste, Italy
 Mauro **BUONOCORE**, Fondazione CMCC, Italy
 Carlo **BUONTEMPO**, European Centre for Medium-Range Weather Forecasts, UK

Małgorzata **BURCHARD-DZIUBIŃSKA**, University of Lodz, Poland
 Attila **BUZÁSI**, Budapest University of Technology and Economics, Hungary
 Francesco Pietro **CAMPO**, Politecnico di Milano, Italy
 Ottavia **CARLON**, Fondazione CMCC, Italy
 Christian **CASAROTTO**, MUSE - Museo delle Scienze, Italy
 Stefano **CASERINI**, Politecnico di Milano, Italy
 Ines Maria Luisa **CERENZIA**, ARPAE-Emilia Romagna, Italy
 Luigi **CESARINI**, IUSS di Pavia, Italy
 Serenella **SAIBANTI**, Provincia autonoma di Trento, Italy
 Pei-Chun **CHEN**, Taiwan Water Corporation, Taiwan
 Pierluigi **CLAPS**, Politecnico di Torino, Italy
 Silvia **COCUCCIONI**, Eurac Research, Italy
 Francesco **COLELLI**, Fondazione CMCC, Italy
 Benedetta **COLUCCIA**, University of Salento, Italy
 Erica **COVA**, Provincia autonoma di Trento, Italy
 Alice **CRESPI**, Institute for Earth Observation, EURAC Research, Italy
 Fabiana **CRISTOFOLINI**, Fondazione Edmund Mach, Italy
 Elisabetta **DALL'Ò**, University of Turin, Italy
 Guido **DAVOLI**, Fondazione CMCC, Italy
 Francesco **DE BIASIO**, Istituto di Scienze Polari - Consiglio Nazionale delle Ricerche, Italy
 Francesco **DE MASI**, University of Salento, Italy
 Goffredo **DECIMI**, Ricerca sul Sistema Energetico - RSE S.p.A., Italy
 Alessandro **DELL'AQUILA**, ENEA, Italy
 Elisa **DELPIAZZO**, Fondazione CMCC, Italy
 Ludovico **DI ANTONIO**, Università degli Studi dell'Aquila, Italy

Climate Risk: Implications for Ecosystem Services and Society, Challenges, Solutions

- Piero **DI CARLO**, Università 'G. d'Annunzio' di Chieti-Pescara, Italy
- Emanuele **ECCEL**, Fondazione Edmund Mach, Italy
- Pascale **EL BARED**, University of Sassari, Italy
- Stefano **FAIT**, Provincia autonoma di Trento, Italy
- Paola **FAGGIAN**, Ricerca sul Sistema Energetico - RSE S.p.A., Italy
- Cristian **FERRARI**, Società Alpinisti Tridentini - Club Alpino Italiano, Italy
- Filippo **FRASCHINI**, Università Cattolica Milano, Italy
- Elisa **FURLAN**, CMCC@Ca'Foscari, Italy
- Marco **GAETANI**, IUSS Pavia, Italy
- Andrea **GAJARDO**, Bruno Kessler Foundation, Italy
- Martina **GAMBARO**, Fondazione CMCC, Italy
- Damiano **GIANELLE**, Fondazione E. Mach, Italy
- Lorenzo **GIOVANNINI**, University of Trento, Italy
- Matteo **GIULIANI**, Politecnico di Milano, Italy
- Elena **GOTTARDINI**, Fondazione Edmund Mach, Italy
- Francesco **GRILLO**, Università di Roma 1 La Sapienza, Italy
- Silvio **GUALDI**, Fondazione CMCC, Italy
- Giorgio **GUZZETTA**, Bruno Kessler Foundation, Italy
- Peter **HOWARD**, Institute for Policy Integrity, New York University School of Law, USA
- Chung-Huang **HUANG**, National Taipei University, Taiwan
- Noura **JEZZINI**, University of Sassari, Italy
- Ritika **KAPOOR**, Ca' Foscari University of Venice, Italy
- Lavinia **LAITI**, Provincia autonoma di Trento, Italy
- Mita **LAPI**, Fondazione Lombardia per l'Ambiente, Italy
- Cristina **LAVECCHIA**, Fondazione OMD, Italy
- Valeria **LENCIONI**, MUSE - Museo delle Scienze, Italy
- Hen-I **LIN**, Chung-Hua Institution for Economic Research, Taiwan
- Tomas **LOVATO**, Fondazione CMCC, Italy
- Cristian **LUSSANA**, Norwegian Meteorological Institute, Norway
- Mattia **MARCHIO**, University of Trento, Italy
- Giovanni **MARINI**, Fondazione Edmund Mach, Italy
- Stefano **MATERIA**, Fondazione CMCC, Italy
- Paola **MERCOGLIANO**, Fondazione CMCC, Italy
- Andrea **MERLONE**, Istituto Nazionale di Ricerca Metrologica - INRiM, Italy
- Beatrice **MONTELEONE**, Scuola Universitaria Superiore IUSS Pavia, Italy
- Tsolmontuya **MYAGMARJAV**, University of Lodz, Poland
- Antonio **NAVARRA**, Fondazione CMCC, Italy
- Ayumi **ONUMA**, Keio University, Japan
- Dario **PAGANO**, Politecnico di Milano, Italy
- James **PAINTER**, Reuters Institute for the Study of Journalism, UK
- Elvio **PANETTIERI**, Provincia autonoma di Trento, Italy
- Antonello **PASINI**, CNR, Institute of Atmospheric Pollution Research, Italy
- Eleonora **PEROTTO**, Politecnico di Milano, Italy
- Samantha **PILATI**, Fondazione Osservatorio Meteorologico Milano Duomo, Italy
- Monica **PINARDI**, Consiglio Nazionale delle Ricerche - Istituto per il Rilevamento elettromagnetico dell'AMBIENTE (CNR_IREA), Italy
- Alice **PORTAL**, Fondazione CMCC, Italy
- Anton **PYZHEV**, Siberian Federal University, Russia
- Alessandra **RIPÀ**, LUISS Guido Carli, Italy
- Anna Paola **RIZZOLI**, Fondazione Edmund Mach, Italy
- Sophie **ROY**, Météo France, France
- Gian Carlo **RUGGERI**, Basaltina S.p.A. - Sistemi Futura, Italy
- Andrea **SABA**, Sant'Anna Scuola Universitaria Superiore, Italy
- Miriam **SARACENI**, University of Perugia, Italy
- Francesco **SAULLE**, Politecnico di Bari, Italy
- Donatella **SPANO**, Università di Sassari/CMCC, Italy
- Mária **SZALMÁNÉ CSETE**, Budapest University of Technology and Economics, Hungary
- Valentina **TAGLIAPIETRA**, Fondazione Edmund Mach, Italy
- Stefano **TERZI**, Eurac Research, Italy
- Stefano **TIBALDI**, Fondazione CMCC, Italia
- Gianluca **TOGNONI**, Provincia autonoma di Trento, Italy
- Rodica **TOMOZEIU**, ARPAE-SIMC, Italy
- Adrian **TOMPKINS**, ICTP, Italy
- Alberto **TRENTI**, Provincia autonoma di Trento, Italy
- Takahiro **TSUGE**, Konan University, Japan
- Riccardo **VALENTINI**, Fondazione CMCC, Italy
- Sara **VERONES**, Provincia autonoma di Trento, Italy
- Domenico **VITO**, Politecnico di Milano, Italy
- Michalis **VOUSDOUKAS**, Joint Research Centre, Italy
- Ran **XING**, Institute of Applied Ecology, Chinese Academy of Sciences, China
- Chin-Wen **YANG**, Chung-Hua Institution for Economic Research, Taiwan
- Dino **ZARDI**, University of Trento, Italy
- Stefano **ZECCHETTO**, Istituto Scienze Polari, Italy
- Suzan **ZEIDAN**, University of Sassari, Italy
- Federica **ZENNARO**, Fondazione CMCC, Italy
- Matteo **ZUMIANI**, Provincia autonoma di Trento, Italy