

#### PROGRAMME OVERVIEW

Wed 19 Oct	Thu 20 Oct	Fri 21 Oct
Cavour Congress Centre	Cavour Congress Centre	Sala Protomoteca Campidoglio
09:00-09:50 Registration of participants	09:00-09:30 Registration of participants	09:00-09:30 Registration of participants
09:50-10:00 Conference opening and welcome	09:30-11:20 S4 — Climate services and climate impacts for assessing, predicting and managing future climate risk in urban areas	09:30-11:00 S7 – Integrated approaches and predictions on climate change impacts, climate risks and adaptation options II
10:00-11:30 S1 - Mitigation pathways and technologies in the context of sustainable development		11:00-12:00  Keynote Lecture: Ilona M. Otto
	11:20-11:50 Coffee break	
11:30-12:00 Coffee break		
12:00-13:30 S2 – Global commons, climate policy and climate justice and rights	11:50-13:30 POSTER SESSION(*)	12:00-12:15 Closing session and award ceremony
13:30-15:00 Lunch	13:30-15:00 Lunch	
15:00-16:00 Keynote Lecture: Fiorenza Micheli	15:00-16:50  S5 — Integrated approaches and predictions on climate change impacts,	14:00-15:30 SISC Assembly
16:00-17:50 S3 – Sectoral approaches to climate change impacts, climate risks and adaptation options I	climate risks and adaptation options I  16:50-17:20 Coffee break	
		17:00-18:30 <b>Side Event</b> Climate and Cities: future challenges (**)
	17:20-18:50	ommate and states justified of the first
17:50-18:10 Aperitif	S6 – Sectoral approaches to climate change impacts, climate risks and adaptation options II	
		Sat 22 Oct
		Arciconfraternita dei Bergamaschi in Roma
20:00 Social dinner		10.00-13.00 <b>Side Event</b> Food and Climate: A new challenge for the planet (**)

<sup>(\*)</sup> Poster room will be open during the first two days of the conference.

<sup>(\*\*)</sup> In Italian – open to general public. Further info at: <a href="https://www.sisclima.it/conferenza-annuale-2022/side-events/">https://www.sisclima.it/conferenza-annuale-2022/side-events/</a>

SISC 10th Annual Conference - Rome, 19-21 October 2022

#### Preliminary Programme

#### !!! UPDATED: 11 Oct 2022 !!!

#### Day 1 | Wednesday 19 October 2022

Cavour Congress Center



9:00 – 09:50 (CEST) - Registration of participants



9:50 - 10:00 (CEST) - Conference opening and welcome



10: 00-11:30 (CEST)

S1 – Mitigation pathways and technologies in the context of sustainable development Chair: (tbc)

10:00-10:10 Introduction

10:10-10:30 Analysis of meteo-climatic and management influences on crop yields in the Sahel through a machine-

learning method

Antonello PASINI, CNR, Italia

Author(s): Antonello Pasini, Giuseppina De Felice Proia and Francesco N. Tubiello

10:30-10:50 Sustainable land management and afforestation are key to achieve carbon-neutral rural districts

Gabriele PIZZILEO, CMCC - Fondazione Centro Euro-Mediterraneo Sui Cambiamenti Climatici, Italy

Author(s): Gabriele Pizzileo; Riccardo Valentini; Maria Vincenza Chiriacò

10:50-11:10 Toward Continuous Stem Increment Detection: Novel IoT Driven Dendrometry Sensors, Design,

**Application and Challenges** 

Jim YATES, University of Tuscia and Nature 4.0, Italy

Author(s): Jim Yates, Luca Belelli Marchesini, Francesco Renzi, Riccardo Valentini

11:10-11:30 TreeTalker Applicability for Individual Mass Monitoring in Alpine Region

Shahla ASGHARINIA, Department for Innovation in Biological, Agro-food and Forest Systems (DIBAF),

Tuscia University, Italy

Author(s): Shahla Asgharinia, Damiano Gianelle, Riccardo Valentini



11:30 - 12:00 (CEST) - Coffee break

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12:00 – 13:30 (CEST)

S2 – Global commons, climate policy and climate justice and rights

Chair: (tbc)

12:00-13:50 Introduction

12:10-12:30 The European Union low carbon emission strategies: expectations and future directions for the land

ector

Giulio DI LALLO, CMCC - Fondazione Centro Euro-Mediterraneo sui Cambiamenti Climatici, Italy

Author(s): Giulio di Lallo, Maria Vincenza Chiriacò, Lucia Perugini

12:30-12:50 Climate change integration in the multilevel governance of Italy and Austria: policy-making and

implementation in selected subnational policies

Federica CITTADINO, Eurac Research, Institute for Comparative Federalism, Italy

Author(s): Federica Cittadino

12:50-13:10 The role of inequality in shaping climate change policy decisions

Marinella DAVIDE, Ca' Foscari University, Italy Author(s): Margherita Bellanca, Marinella Davide

13:10-13:30 Preliminary analyses supporting the Strategy for Mitigation and Adaptation to Climate Changes of the

**Autonomous Province of Trento** 

Anna NAPOLI, University of Trento, Italy

Author(s): Anna Napoli, Lavinia Laiti, Roberto Barbiero, Michael Matiu, Dino Zardi, Alberto Bellin,

Bruno Majone



13:30 - 15:00 (CEST) - Lunch break



15:00 – 16:00 (CEST) **Keynote Lecture: Fiorenza Micheli** Chair: Riccardo Valentini

#### Ocean Solutions for Nature and People

The ocean is Earth's last frontier. It comprises most of its habitable volume, is home to a unique and extraordinary diversity of plants, animals, and microbes; regulates its climate; and provides food and livelihood for billions of people. Our future is inextricably linked to the ocean, and to maintaining the flow of critical and irreplaceable services healthy oceans provide. While much investigation and discussion is focused on impacts, there is a critical need and opportunity to develop solutions based in oceans. I will present and discuss ocean-based solutions to two grand challenges, climate and food and nutritional security, as well as their intersections, highlighting knowns and unknowns in their potential for deployment at scale, and opportunities for expanding global capacity for ocean solutions.

Fiorenza Micheli is the David and Lucile Packard Professor of Marine Science at Stanford University, chair of the Oceans Department in the Stanford Doerr School of Sustainability, co-director of Stanford's Center for Ocean Solutions, and senior fellow at Woods Institute for the Environment. Her research focuses on the processes shaping marine communities and coastal social-ecological systems, incorporating this understanding in marine conservation and in co-designing solutions with decision-makers and communities. She investigates climatic impacts on marine ecosystems, particularly the impacts of and adaptation to warming, hypoxia and ocean acidification in marine species, communities and fisheries, marine predators' ecology and trophic cascades, the dynamics and sustainability of small-scale fisheries, and the design and function of Marine Protected Areas. Her research takes place in California, Mexico, the Mediterranean Sea, Palau, The Pacific Line Islands, the Caribbean and the Chagos Archipelago. She is a Pew Fellow in Marine Conservation, a fellow of the California Academy of Sciences, co-chair of the UN Ocean Decade program GEOS (Global Ecosystems for Ocean Solutions) and advisor to the Monterey Bay National Marine Sanctuary, Seafood Watch, Global Fishing Watch, Ocean Visions and the Benioff Ocean Initiative.

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Wed **19** Oct

16:00 - 17:50 (CEST)

S3 – Sectoral approaches to climate change impacts, climate risks and adaptation options I Chair: (tbc)

16:00-16:10 Introduction

16:10-16:30 Assessing the impacts of climate change on water resource availability: The Main Program of

Acquedotto Pugliese S.p.A.

Roberta PADULANO, Fondazione Centro Euro-Mediterraneo sui Cambiamenti Climatici, Italy

Author(s): Roberta Padulano, Giuliana Barbato, Marta Ellena, Paola Mercogliano, Vincenzo Patruno

16:30-16:50 Climate-smart forest management to recover a chestnut forest monitored through IoT technologies

Maria Vincenza CHIRIACÒ, CMCC - Fondazione Centro Euro-Mediterraneo sui Cambiamenti Climatici,

Viterbo, Italy

Author(s): Maria Vincenza Chiriacò, Nafeesa Samad, Riccardo Valentini

16:50-17:10 The Impact of Air-conditioning on Residential Electricity Demand: Evidence from a Multi-country Data

set

Filippo PAVANELLO, University of Bologna and CMCC, Italy

Author(s): Giacomo Falchetta, Filippo Pavanello, Enrica De Cian, Ian Sue Wing

17:10-17:30 Multivariate analysis on compound events of humidity, solar radiation on heat-related health risks by

vulnerable groups in Seoul, Korea

Haemin PARK, Korea Environment Institute, Republic of Korea

Author(s): Sang-Min Lee, Woo Joong Kim, Haemin Park, Hyun-gyu Kim, Young woong Choi, Yeora Chae

17:30-17:50 MUSIC Market Uptake Support for Intermediate Bioenergy Carriers: Italian Case Study

Giacomo TROMBI, University of Florence, Italy

Author(s): Camilla Dibari, Niccolò Bartoloni, Giacomo Trombi, Giacomo Talluri, Marco Bindi, Marco

Moriondo

Wed **19** Oct

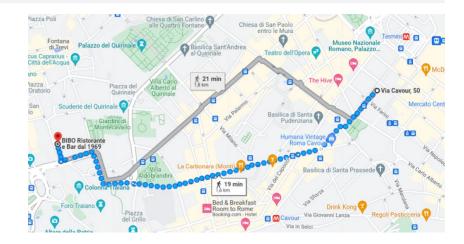
17:50 - 18:10 (CEST) - Aperitif

Wed **19** Oct

20:00 - Social dinner

#### BIBO Ristorante e Bar dal 1969

Piazza dei Santi Apostoli, 56-59 00187 Roma RM https://bibo-ristorante-pizzeriabar.business.site/



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## Day 2 | Thursday 22 October 2022

Cavour Congress Center



9:00 – 09:30 (CEST) - Registration of participants



#### 09:30 - 11:20 (CEST)

S4 – Climate services and climate impacts for assessing, predicting and managing future climate risk in urban areas

Chair: (tbc)

09:30-09:40	Introduction
09:40-10:00	Spatiotemporal analysis of urban climate aspects - case of the largest Hungarian cities Attila BUZÁSI, Budapest University of Technology and Economics, Hungary Author(s): Attila Buzási, Bettina Szimonetta Jäger
10:00-10:20	Land use and land cover classification using a ResNet deep learning Architecture  Luigi SELMI, datiaperti, Italy  Author(s): Luigi Selmi
10:20-10:40	Prototyping climate information: producing actionable climate information for business and adaptation. The EUCP project experience  Elisa DELPIAZZO, CMCC, Ca' Foscari University of Venice, EIEE, Italy  Author(s): Elisa Delpiazzo, Katharina Buelow, Eulalia Baulenas Serra, Claas Teichmann, Jens Hesselbjerg Christensen, Dominic Matte, Dragana Bojovic, Peter Kalverla
10:40-11:00	European Extreme Events Climate Index (E3CI) Alessandro PUGLIESE, Fondazione CMCC, Italy Author(s): Guido Rianna, Alessandro Pugliese, Giuseppe Giugliano, Giuliana Barbato, Paola Mercogliano, Antonio Tirri, Francesco Lo Conti
11:00-11:20	Marine Seasonal Forecasting: Towards new climate services for the ocean

Author(s): Ronan Mcadam, Simona Masina, Magdalena Balmaseda, Silvio Gualdi, Giovanni Coppini,

Thu **20** Oct

11:20 - 11:50 (CEST) - Coffee break

Ronan MCADAM, CMCC, Italy

Michael Mayer, Retish Senan

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- A Tool to Measure Banks' Exposure to Climate Risk Francesca FRAULO, SustainAdvisory srl, Italy Author(s): Francesca Fraulo, Ramona Rabbi, Carola Canu
- ADA270 Ice Core project of Adamello Glacier Valter MAGGI, University of Milano Bicocca, Italy Author(s): Valter Maggi
- Assessment of crop water use and its sustainability based on future projections, Aude Department (South-West France)

Andrea BORGO, CMCC Foundation, Italy Author(s): Andrea Borgo, Donatella Spano, Marta Debolini, Sara Masia, Muhammad Faizan Aslam, Antonio Trabucco

- 4. Assessment of crop water use and its sustainability based on future projections in Sardinia region Muhammad Faizan ASLAM, University of Sassari, Italy Author(s): Muhammad Faizan Aslam, Donatella Spano, Marta Debolini, Sara Masia, Andrea Borgo, Antonio Trabucco
- BRIANZA CLIMATE CHANGE: a supra-local and multidisciplinary project for a new approach to the challenge of climate change
   Mita LAPI, Lombardy Foundation for the Environment, Italia
   Author(s): Mita Lapi, Eleonora Esposito, Simone Picco
- Climate scenarios of precipitation and wind extremes affecting the Italian Energy System with a multi-hazard approach

**Arianna TREVISIOL**, RSE S.p.A., Italy Author(s): Arianna Trevisiol, Paola Faggian

 Climatology of parameters in the surface layer of the urban environment in Torino, Italy Claudio CASSARDO, University of Torino, Italy

Author(s): Claudio Cassardo, Valentina Andreoli, Davide Bertoni, Massimiliano Manfrin 8. Evaluation of climate impact on grape productivity in Italy using bioclimatic indices

Marco GAETANI, Scuola Universitaria Superiore IUSS, Italia
Author(s): Laura Massano, Giorgia Fosser, Marc

Author(s): Laura Massano, Giorgia Fosser, Marco Gaetani

Exploiting community resilience to foster adaptation responses

Mita LAPI, FLA-Polimi, Italy Author(s): Domenico Vito, Mita Lapi

 Integration and assessment of different products for wildfire prediction over the Apulia Region Case Study

Giusy FEDELE, Regional Models and Geo-Hydrological Impacts Division, Centro Euro-Mediterraneo sui Cambiamenti Climatici, Italy Author(s): Giusy Fedele, Giuliana Barbato, Giuseppe Giugliano, Ilenia Manco, Mario Raffa, Paola Mercogliano and Pasquale Schiano

 Large Scale Representation Learning for Atmospheric Data

**Ilaria LUISE**, Stony Brook University, USA Author(s): Ilaria Luise, Christian Lessig, Martin Schultz, Maike Sonnewald, Aneesh Subramanian

12. Observing trends and extreme events impacts on lakes using ESA CCI Satellite Data Package

Giulio TELLINA, CNR-IREA, Italy
Author(s): Giulio Tellina, Monica Pinardi, Mariano
Bresciani, Gary Free, Daniela Stroppiana, Claudia
Giardino, Stefan Simis, Jean-Francois Crétaux, Chris
Merchant, Herve Yesou, Claude Duguay, Clément
Albergel, Alice Andral, Bru

13. Optimization of Soil Texture and Soil Parameters to Improve the Soil Moisture in the Land Surface Model

**Sujeong LIM**, Ewha Womans University, Republic of Korea

Author(s): Sujeong Lim, Seon Ki Park, Claudio Cassardo

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## 14. The protocol for CMIP6 downscaling over (EURO-)CORDEX domains

Marianna ADINOLFI, CMCC, Italy

Author(s): Marianna Adinolfi, Mario Raffa and Paola Mercogliano

## 15. Semi-analytical Solution for the Transient Regime: Application to Sap Flow

Shahla ASGHARINIA, Tuscia University, Italy Author(s): Shahla Asgharinia, Mazda Kompanizare, Francesco Renzi, Nicolas Friess, Riccardo Valentini

#### 16. Updated trends in Italian temperature

Giulio SETTANTA, ISPRA - Istituto Superiore per la Protezione e la Ricerca Ambientale, Italy Author(s): Giulio Settanta, Guido Fioravanti, Piero Fraschetti, Francesca Lena, Walter Perconti, Emanuela Piervitali

17. VHR-REA\_IT and VHR-PRO\_IT Datasets: Very High Resolution Dynamical Downscaling of ERA5 Reanalysis and climate projections over Italy by COSMO-CLM

**Paola MERCOGLIANO**, Fondazione CMCC, Italy Author(s): Mario Raffa, Marianna Adinolfi, Alfredo Reder, Paola Mercogliano



13:30 - 15:00 (CEST) - Lunch break



15:00 - 16:50 (CEST)

S5 — Integrated approaches and predictions on climate change impacts, climate risks and adaptation options I

Chair: (tbc)

15:00-15:10 Introduction

15:10-15:30 A Machine Learning approach to assess coastal risks related to extreme weather events along the

coast of the Veneto region (Italy)

Maria Katherina DAL BARCO, Ca' Foscari University of Venice, Italy

Author(s): Maria Katherina Dal Barco, Davide Mauro Ferrario, Margherita Maraschini, Ngoc Diep Nguyen, Anna Pasquali, Sebastiano Vascon, Silvia Torresan, Andrea Critto

15:30-15:50 The contribution of cover crops to climate change mitigation: the effect of residues retention vs

removal on SOC and the importance of the estimation approach
Chiara DE NOTARIS, Euro-Mediterranean Center on Climate Change (CMCC), Italy

Author(s): Chiara De Notaris, Maria Vincenza Chiriacò

15:50-16:10 Impact of climate change on the phenological phases of olive trees in the Euro-Mediterranean region

Ali DIDEVARASL, University of Sassari, Italy

Author(s): Ali Didevarasl, Jose M. Costa-Saura, Donatella Spano, Diana Rechid, Katharina Bülow, Maurizio Mulas, Giovanni Nieddu, Richard Snyder, Samanta Zelasco, Antonio Trabucco

 $16:10-16:30 \qquad \hbox{The future in the past: the ClimADA project and the climatic and environmental reconstruction of the} \\$ 

Adamello glacier in the central Alps
Antonio BALLARIN DENTI, Lombardy Foundation for the Environment, Italy

Author(s): Valter Maggi, Mario Martinelli, Roberto Ranzi, Anna Bonettini, Paolo Colosio, Giovanna Grossi, Muhammad Usman Liaqat, Amerigo Lendvai, Mita Lapi, Antonio Ballarin Denti**Distributed Fiber** 

16:30-16:50 Optic monitoring of the Adamello Glacier's temperature and deformation profile

Jacopo MOROSI, Cohaerentia Srl, Italy

Author(s): Jacopo Morosi, Maddalena Ferrario, Marco Brunero, Andrea Madaschi, Luca Albertelli, Mario Martinelli

# Governing the Future

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16:50 – 17:20 (CEST) – Coffee break



17:20 -18:50 (CEST)

S6 – Sectoral approaches to climate change impacts, climate risks and adaptation options II

Introduction 17:20-17:30 Climate transition risk and credit risk: Evidence from Italy 17:30-17:50 Lorenzo NOBILE, University of Salento, Italy Author(s): Lorenzo Nobile, Simona Cosma, Paola Schwizer 17:50-18:10 Measuring increased resilience: the Race to Resilience campaign. Challenges and opportunities to monitor the impact of global adaptation efforts Nicolle ASPEE, Center for Climate and Resilience Research (CR)2, United Kingdom Author(s): Nicolle Aspee, Roxana Bórquez, Marco Bili, Paulina Aldunce, Juan Carlos Varela, Francis Mason 18:10-18:30 The SUSTAINadapt project: A national pathway to integrate climate change adaptation and sustainable development Serena MARRAS, University of Sassari and CMCC, Italy Author(s): Serena Marras, Nada Beretić, Alissa Bauer, Valentina Bacciu, Valentina Mereu, Matteo Funaro, Giulia Tola, Vittorio Serra, Antonio Ledda, Maria Grazia Gavina Ruiu, Giovanna Calia, Laura Mula, Chiara Ces 18:30-18:50

Multi-model scenarios of hot-days and dry conditions affecting the Italian Energy System

Paola FAGGIAN, RSE S.p.A., Italy

Author(s): Paola Faggian, Arianna Trevisiol

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#### Day 3 | Friday 21 October 2022

Sala della Protomoteca in Campidoglio



9:00 – 09:30 (CEST) - Registration of participants



09:30 - 11:00 (CEST)

S7 – Integrated approaches and predictions on climate change impacts, climate risks and adaptation options II Chair: (tbc)

09:30-09:40 Introduction

09:40-10:00 Trans-regional Climate Adaptation Planning process for local development projects in small

municipalities: The case study of North-West Italy

Giuliana BARBATO, CMCC, Italy

Author(s): Guglielmo Ricciardi, Marta Ellena, Giuliana Barbato, Giuseppe Giugliano, Pasquale Schiano,

Sara Leporati, Claudia Traina, Paola Mercogliano

10:00-10:20 Extreme weather events resilience arrangements in local communities in Poland

Adam CHORYŃSKI, Poznań University of Life Sciences, Poland

Author(s): Adam Choryński, Iwona Pińskwar, Dariusz Graczyk, Michał Krzyżaniak

10:20-10:40 Defining adaptation measures through a participatory and collaborative process: A case study in the

Italy-France cross-border area

Valentina BACCIU, CNR-IBE; CMCC, Italia

Author(s): Valentina Bacciu, Serena Marras, Valentina Mereu, Matteo Funaro, Silvia Mongili, Sergio

Cossu, Giampaolo Meloni, Francesca Masu, Virginia Cristina Pira, Donatella Spano



10:40 - 11:00 (CEST) - Break



11:00 – 12:00 (CEST) **Keynote Lecture – Ilona Otto (online)**Chair: Enrica De Cian

Cascading risks and social tipping dynamics in the transition to a global net-zero emissions system abstract xxx

**Ilona M. Otto** holds the Professorship in Societal Impacts of Climate Change at the Wegener Center for Climate and Global Change, University of Graz. She leads a research group focusing on Social Complexity and System Transformation. The group's ambition is to use complex science theory and novel research methods to analyse social dynamic processes and interventions that are likely to spark rapid social changes necessary to radically transform the interactions of human societies with nature and ecosystem services in the next 30 years. Prof. Otto is a social scientist by training. She uses various research methods including social surveys, case studies, behavioural experiments, and simulations in analysing problems related to global environment changes, development, adaptation and sustainability.



12:00 – 12:15 (CEST) – Closing session and award ceremony

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### List of Participants

Marianna Adinolfi, CMCC Foundation, Italy

Shahla Asgharinia, University of Tuscia, Italy

Muhammad Faizan Aslam, University of Sassari, Italy

Nicolle Aspee, CR2 University of Chile, United Kingdom

Valentina **Bacciu**, Fondazione CMCC - Consiglio Nazionale delle Ricerche, Italy

Antonio **Ballarin Denti**, Fondazione Lombardia per l'Ambiente, Italy

Giuliana Barbato, CMCC, Italy

Andrea Borgo, CMCC Foundation, Italy

Attila **Buzási**, Budapest University of Technology and Economics, Hungary

Claudio Cassardo, University of Torino, Italy

Yeora **Chae**, Korea Environment Institute, Republic of Korea

Maria Vincenza Chiriacò, CMCC, Italy

Adam **Choryński**, Poznań University of Life Sciences, Poland

Federica **Cittadino**, Eurac Research, Institute for Comparative Federalism, Italy

Linda Cuppelli, CMCC, Italy

Maria Katherina **Dal Barco**, Ca' Foscari University of Venice and CMCC Foundation, Italy

Marinella **Davide**, Ca' Foscari University of Venice, CMCC Foundation, Harvard University, Italy

Enrica **De Cian**, Ca' Foscari University of Venice and CMCC Foundation, Italy

Chiara De Notaris, CMCC Foundation, Italy

Marta Debolini, CMCC Foundation, Italy

Elisa **Delpiazzo**, CMCC Foundation, Ca' Foscari University of Venice, EIEE, Italy

Giulio Di Lallo, CMCC Foundation, Italy

Ali Didevarasl, University of Sassari, Italy

Maria Cristina Facchini, ISAC CNR, Italy

Paola Faggian, RSE S.p.A., Italy

Giusy Fedele, CMCC Foundation, Italy

Francesca Fraulo, SustainAdvisory srl, Italy

Marco Gaetani, IUSS, Italy

Martina **Gambaro**, SISC and Fondazione CMCC, Italy Mita **Lapi**, Fondazione Lombardia per l'Ambiente, Italy Sujeong **Lim**, Ewha Womans University, Republic of

Ilaria Luise, Stony Brook University, CERN, Italy

Valter Maggi, University of Milano Bicocca, Italy

Serena **Marras**, University of Sassari and CMCC Foundation, Italy

Ronan McAdam, CMCC Foundation, Italy

Paola Mercogliano, CMCC Foundation, italy

Fiorenza Micheli, Stanford University, USA

Jacopo Morosi, Cohaerentia Srl, Italy

Anna Napoli, University of Trento, Italy

Lorenzo Nobile, Università del Salento, Italy

Ilona M. **Otto**, Wegener Center for Climate and Global Change, University of Graz, Austria

Roberta **Padulano**, Fondazione Centro Euro-Mediterraneo sui Cambiamenti Climatici, Italia

Haemin **Park**, Korea Environment Institute, Republic of Korea

Antonello Pasini, CNR, Italia

Filippo **Pavanello**, University of Bologna and CMCC Foundation, Italia

Gabriele Pizzileo, CMCC Foundation, Italy

Alessandro Pugliese, Fondazione CMCC, Italy

Ramona Rabbi, SustainAdvisory Srl, Italy

Luigi **Selmi**, datiaperti, Italy

Giulio **Settanta**, Istituto superiore per la protezione e la ricerca ambientale, Italy

Costantino Sirca, University of Sassari, Italy

Donatella Spano, Univertiaà di Sassari, Italy

Ekaterina Tarasova, Tuscia University, Italy

Giulio Tellina, CNR-IREA, Italia

Antonio Trabucco, CMCC Foundation, Italy

Arianna Trevisiol, RSE S.p.A., Italy

Giacomo Trombi, University of Florence, Italy

Riccardo Valentini, University of Tuscia,

Jim Yates, University of Tuscia, Italy