

PROGRAMME OVERVIEW

Wed, 22 Sep	Thu, 23 Sep	Fri, 24 Sep	
09:00-09:15 Familiarizing with the ZOOM platform	09:00-9:15 Familiarizing with the ZOOM platform	09:00-9:15 Familiarizing with the ZOOM platform	
09:15-11:00 - PARALLEL SESSION 1 S.1.1 – Climate policies, transition pathways and mitigation technologies in the context of sustainable development S.1.2 – Climate trends: changes in means and extreme events in observations, simulations and projections I	09:15-11:00 - PARALLEL SESSION 3 S.3.1 – Ocean climate variability and mitigation option S.3.2 – Predicting climate change in the context of risk and adaptation options I	09:15-11:00 - PARALLEL SESSION 4 S.4.1 – Predicting climate change in the context of risk and adaptation options S.4.2 – Climate services and their potential to support adaptation and risk management	
Coffee break	Coffee break	Coffee break	
11:30-12:55 - PARALLEL SESSION 2 S.2.1 – Urban areas: Assessing, predicting and managing the current and future risk I S.2.2 – Climate related impacts, risks and adaptation options I	11:30-12:15 KEYNOTE LECTURE Antoine Dechezleprêtre	 11:30-12:55 - PARALLEL SESSION 5 S.5.1 - Climate related impacts, risks and adaptation options II S.5.2 - Climate trends: changes in means and extreme events in observations, simulations and projections II 	
Lunch break	Lunch break	Lunch break	
14:00-15:30 Poster session 1	14:00-15:30 Poster session 2	14:00-15:25 - PARALLEL SESSION 6 S.6.1 – Urban areas: Assessing, predicting and managing the current and future risk S.6.2 – Climate related impacts, risks and adaptation options III	
Coffee break	Coffee break	Coffee break	
16:00-16:45 KEYNOTE LECTURE Mark Z. Jacobson	16:00-16:45 KEYNOTE LECTURE Chris Field	16:00-16:30 Reflections on the conference and Award session	

FINAL PROGRAMME

(last updated: 20 Sep 2021)



09:00 – 09:15 (CEST) - Familiarizing with the ZOOM platform

PARALLEL SESSION 1

Wed 22 Sep	9:15 – 11:00 (CEST) S.1.1 – Climate policies, transition pathways and mitigation technologies in the contest of sustainable development Chair: Enrica De Cian
09:20-09:4	 Impacts of and Policy Response to Extreme Weather and Pandemics in the Context of Electricity Demand and Economic Growth Chung-Huang HUANG, Taiwan Association for Low Carbon Society and Green Economy, Taiwan Author(s): Shin-Hang Lo, Shao-Hui Kao, Ching-Yu Li, and Chung-Huang Huang
09:40-10:0	 Towards a More Structured Dialogue between Climate Science and Policy in Italian Institutions Antonello PASINI, CNR, Italy Author(s): Antonello Pasini
10:00-10:2	 Emission Trading in a High Dimensional Context: to What Extent Carbon Markets are Integrated with the Broader System? Marco QUATROSI, University of Ferrara, Italy Author(s): Marco Quatrosi
10:20-10:4	 Buffered Enhanced Weathering of Limestone as CO2 Storage Technology: Material and Energy Balance and Cost Analysis Francesco Pietro CAMPO, Politecnico di Milano, Italy Author(s): Francesco Pietro Campo, Stefano Caserini, Giovanni Cappello, Davide Righi, Serena De Marco, Mario Grosso
10:40-11:0	0 Energy Needs for Adaptation Significantly Impact Mitigation Pathways Francesco COLELLI, CMCC Foundation and Ca' Foscari University of Venice, Italy Author(s): Francesco Colelli, Johannes Emmerling, Giacomo Marangoni, Malcolm Mistry, Enrica De Cian

ACCELERATING CLIMATE ACTION

A JUST TRANSITION IN A POST-COVID ERA

22	9:15 - 11:00 (CEST) 5 .1.2 – Climate trends: changes in means and extreme events in observations, simulations and projections I Chair: Damiano Gianelle
09:15-09:20) Introduction
09:20-09:40	 Radiative Impact of Biomass-burning Aerosols at THAAO and over the Western Arctic in August 2017 Filippo CALÌ QUAGLIA, Ca' Foscari University of Venice, Italy Author(s): Filippo Calì Quaglia, Daniela Meloni, Alcide Giorgio di Sarra, Tatiana Di Iorio, Virginia Ciardini, Giandomenico Pace, Giovanni Muscari, Silvia Becagli, Annalisa di Bernardino, Marco Cacciani, Ivan Ortega, James W. Hanni
09:40-10:00	 Spectral Analysis of a Climatological Period of Simulations of Soil Temperature and Moisture in Northern Italy with UTOPIA Model Claudio CASSARDO, University of Turin, Italy Author(s): Claudio Cassardo, Valentina Andreoli, Davide Mastrandrea
10:00-10:20	 Chilling Requirements of Olive Trees over the Euro-Mediterranean Region Under Climate Change Ali DIDEVARASL, University of Sassari, Italy Author(s): Ali Didevarasl, Jose Maria Costa-Saura, Donatella Spano, Valentina Mereu, Maurizio Mulas, Antonio Trabucco
10:20-10:40	Interannual to Decadal Predictability of Heatwaves over Europe in Large-Ensemble Hindcasts Giusy FEDELE, CMCC Foundation Italy Author(s): Giusy Fedele, Panos Athanasiadis, Eirini Tsartsali, Dario Nicolì, Stefano Tibaldi and Silvio Gualdi
10:40-11:00	 Towards Local Scale Scenarios of Coastal Climate Change in the Northern Adriatic Area Dario GIAIOTTI, ARPA FVG, Italy Author(s): Alessandro Acquavita, Massimo Bagnarol, Christian Ferrarin, Federica Flapp, Dario Giaiotti, Elena Gianesini, Denis Guiatti, Simone Martini, Eddio Marini, Alessandro Minigher, Cristina Moro, Moira Pittis



11:00 - 11:30 (CEST) – Coffee break

PARALLEL SESSION 2



11:30-12:55 (CEST) **S.2.1 – Urban areas: Assessing, predicting and managing the current and future risk I** Chair: Paola Mercogliano

- 11:30-11:35 Introduction
- 11:35-11:55 Assessment Tools for the Thermal Impact of Multi-scale Urban Modifications Giuseppe FRUSTACI, Fondazione Osservatorio Meteorologico Milano Duomo, Italy Author(s): Cristina Lavecchia, Giuseppe Frustaci, Samantha Pilati, Enea Montoli
- 11:55-12:15 A New Reanalysis Dataset to Support Urban Pluvial Flood Analysis Assessment in Urban Areas Roberta PADULANO, CMCC Foundation Italy

Author(s): Roberta Padulano, Alfredo Reder, Mario Raffa, Guido Rianna, Paola Mercogliano

12:15-12:35 Connected Urban Green Spaces for Disaster Risk Reduction in the Metropolitan Area of Milan Andrea STACCIONE, CMCC Foundation and Ca' Foscari University of Venice, Italy

Author(s): Andrea Staccione

12:35-:12:55 Updating the Current Field of ISA in TERRA_URB Scheme within the COSMO(-CLM) model. Survey of the Existing Land Cover Datasets Carmela APREDA, CMCC Foundation, Italy Author(s): Carmela Apreda, Alfredo Reder, Francesco Repola, Paola Mercogliano



11:30-12:55 (CEST)

S.2.2 – Climate related impacts, risks and adaptation options I Chair: Monia Santini

- 11:30-11:35 Introduction
- 11:35-11:55 **Pre-processing and Analysis of TreeTalker's Data: An Example from Chestnut Forest Nafeesa SAMAD**, University of Tuscia, Italy Author(s): Nafeesa Samad, Maria Vincenza Chiriacò, Claudia Cagnarini, Riccardo Valentini
- 11:55-12:15 Cumulative Impacts Assessment (CIA) on Marine and Coastal Ecosystems: Key Outputs from the Scientometric and Systematic Reviews Christian SIMEONI, Ca' Foscari University of Venice, Italy Author(s): Christian Simeoni, Elisa Furlan, Elena Allegri, Vuong Pham, Silvia Torresan, Andrea Critto, Silvia de Juan, Ewan Trégarot, Cindy Cornet, Erik Meesters, Catarina Fonseca, Andrea Zita Costa Botelho
- 12:15-12:35 Classifying Banks From an Environmental Perspective Pierluigi TOMA, University of Salento, Italy Author(s): Vittorio Boscia, Valeria Stefanelli, Pierluigi Toma
- 12:35-12:55 Non-Linear Interactions between Climate Change and Host Processes Drive the Future of a Helminth-Herbivore System Chiara VANALLI, Penn State University, United States Author(s): Chiara Vanalli, Lorenzo Mari, Renato Casagrandi, Marino Gatto, Brian Boag, Isabella M. Cattadori



12:55 - 14:00 (CEST) - Lunch break



14:00 - 15:30 (CEST) Poster Session 1

[POSTER] Adaptive Normative Constraints to Mitigate Climate Change Induced Conflicts in a Snowmelt Dominated Water System

Alessandro AMARANTO, RSE, Italy

Author(s): Alessandro Amaranto, Matteo Giuliani, Andrea Castelletti

[POSTER] Global Perceptions and Priorities in Urban Stormwater Adaptation Management

Charles AXELSSON, Ca' Foscari University of Venice, Italy

Author(s): Charles Axelsson, Silvio Giove, Stefano Soriani, Patricia Culligan

[POSTER] Quantification (Evaluation and Valuation) of the Mitigation Capacity by the Whole Natural Compendium (Sea and Land) in Italy

Laura BASCONI, Ca' Foscari University of Venice, Italy

Author(s): Laura Basconi

[POSTER] Project of Network Adjustment to WMO Standards to Provide FAIR Dataset as a Tool to Supply Weather and Climate Information to Support Climate Adaptation and Risk Management in the Umbria Region

Miriam SARACENI, University of Perugia, Italy Author(s): P. Bongioannini Cerlini, L. Silvestri, G. Cinque, B. Brunone, M. Saraceni, R. Ferretti [POSTER] Evaluation of Temperature and Precipitation Seasonal Forecasts over the Mediterranean Region Filippo CALÌ QUAGLIA, Ca' Foscari University of Venice, Italy Author(s): Filippo Calì Quaglia, Silvia Terzago, Jost von Hardenberg [POSTER] Precipitation Trends in Abruzzo 1980-2019: Rainfall Erosivity and Comparison with **Gridded Dataset** Gabriele CURCI, University of L'Aquila, Italy Author(s): Bruno Di Lena, Gabriele Curci, Lorenzo Vergni [POSTER] Can We Use Flood Control Infrastructures in Forecast-Based Drought Management in a Drying Climate? Matteo GIULIANI, Politecnico di Milano, Italy Author(s): Francesca Robba, Matteo Giuliani, Alessandro Amaranto, Andrea Castelletti [POSTER] Heat Events in the Indian Subcontinent under a Warming Climate Scenario: Detection and Implications on Human Health Ritika KAPOOR, CMCC Foundation, Italy

Author(s): Ritika Kapoor, Carmen Alvarez-Castro, Enrico Scoccimarro, Stefano Materia, Silvio Gualdi



15:30 - 16:00 (CEST) – Coffee break



16:00 - 16:45 (CEST) **PL.02 - Plenary Session 1** Chair: Maria Cristina Facchini

Transitioning Italy and the world to 100% clean, renewable energy and storage for everything Mark Z. JACOBSON, Stanford University, USA

Global warming, air pollution, and energy insecurity are three of the most significant problems facing the world today. This talk discusses technical and economic roadmaps designed to address these issues. If put in place, the roadmaps will substantially eliminate global warming and seven million air pollution deaths worldwide each year while creating millions of jobs and reducing energy costs, catastrophic risk, and international conflicts over energy. The plans call for converting the energy infrastructures of homes, cities, states, and countries of the world, including Italy, to those powered by 100% wind, water, and sunlight (WWS) and storage for all purposes (electricity, transportation, building heating/cooling, and industry). To date, roadmaps have been developed for 127 international cities, all 50 U.S. states, and 145 countries. Results indicates the electric power grid can remain stable at low cost worldwide with these roadmaps. The talk also discusses policies and laws in place to date resulting from these roadmaps, public opinion, and what is still needed to transition fully. Please see the following links to papers (https://stanford.io/3znf53j) and a textbook (https://stanford.io/3tWv9YJ) for more information.



09:00 – 09:15 (CEST) - Familiarizing with the ZOOM platform

PARALLEL SESSION 3

Thu 23 Sep	S.3.1	5-11:00 (CEST) L – Ocean climate variability and mitigation option r: Marco Marcelli
09:15-09:	20	Introduction
09:20-09:	40	Accelerating Green Transitions in The Maritime Ecosystem Anna LE GERSTRØM RODE, Aarhus University, Denmark Author(s): Anna Le Gerstrøm Rode, Hans Sanderson and Per Svejvig
09:40-10:	00	Sub-seasonal to Seasonal (S2S) Drivers of Arctic Sea Ice Variability Clusters Elena BIANCO, CMCC Foundation, Italy Author(s): Elena Bianco, Dorotea Iovino, Stefano Materia, Paolo Ruggieri, Simona Masina
10:00-10:	20	Is Arctic Climate Change the Missing Component in Scotland's Tsunami Hazard Assessments? Susanne DAVIDSON, University of the Highlands and Islands, Scotland, United Kingdom Author(s): Susanne Davidson
10:20-10:4	40	Review of Costs and Energy Consumptions of Limestone Extraction, Processing and Transportation for a Large-Scale Development of Ocean Liming Serena DE MARCO, Politecnico di Milano, Italy Author(s): Serena De Marco, Stefano Caserini, Mario Grosso
10:40-11:0	00	The Availability of Limestone and other Raw materials for Ocean-Based Negative Emission Technologies Niccolò STORNI, Politecnico di Milano, Italy Author(s): Niccolò Storni, Stefano Caserini, Mario Grosso

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23 S.3	15-11:00 (CEST) . 2 – Predicting climate change in the context of risk and adaptation options I air: Annalisa Cherchi
09:15-09:20	Introduction
09:20-09:40	 Predicting Climate Change over the Multi-Annual Range: a Perspective from CMCC Decadal Prediction System Dario NICOLÌ, CMCC Foundation, Italy Author(s): Dario Nicolì, Alessio Bellucci, Paolo Ruggieri, Panos Athanasiadis, Giusy Fedele and Silvio Gualdi
09:40-10:00	An Idealised Study of the Tropospheric and Stratospheric Response to Reduced Winter Land Sea Contrast Alice PORTAL, Università degli Studi di Milano - Bicocca, Italy Author(s): Alice Portal, Claudia Pasquero, Fabio D'Andrea, Paolo Davini, Mostafa Hamouda
10:20-10:40	 Helping the Agriculture Business Make Better Choices: the Value of Seasonal Climate Forecasts Stefano MATERIA, CMCC Foundation, Italy Author(s): Stefano Materia, Alberto Ceccacci, Silvio Gualdi
10:40-11:00	Climatic Suitability Predictions for the Cultivation of Macadamia in Malawi Using Climate Change Scenarios Emmanuel Junior ZUZA, The Open University, United Kingdom Author(s): Emmanuel Junior Zuza, Kadmiel Maseyk, Shonil A. Bhagwat, Kauê de Sousa, Andrew Emmott, William Rawes, Yoseph Negusse Araya
Thu 23 11.1	00 - 11:30 (CEST) – Coffee break



11:00 - 11:30 (CEST) – Coffee break



11:30 - 12:15 (CEST) PL.01 - Plenary Session 1 Chair: Enrica De Cian

Assessing the Economic Impacts of Environmental Policies Antoine DECHEZLEPRÊTRE, OECD, France

Over the years, governments have gradually adopted more rigorous environmental policies to tackle challenges associated with pressing environmental issues, such as climate change, air pollution, waste management or biodiversity loss. The ambition of these policies is, however, often tempered by their perceived negative effects on the economy. Do differences in the stringency of environmental policies across countries alter firms' competitiveness and cost jobs? Does taking the lead trigger a first-mover advantage? What are the differentiated impacts across firms, industries and regions? And are these policies effective in reducing emissions from industry? A recent OECD publication presents evidence from a decade of research and analysis on the relationship between environmental policies and economic outcomes such as employment, investment, trade and productivity.



12:15 - 14:00 – Lunch break

A JUST TRANSITION IN A POST-COVID ERA



14:00 - 15:30 (CEST) Poster Session 2

[POSTER] Creating Ne ural Network-Based Ensemble Weather Forecasts

Gabriele MESSORI, Uppsala University, Sweden Author(s): Gabriele Messori, Sebastian Scher

[POSTER] Adaptation and Sustainable Development, Climate Policies and Trajectories Post Covid-19

Sergio PENA-NEIRA, Universidad Mayor,Chile Author(s): Sergio Pena-Neira

[POSTER] A Matrix for Interdisciplinary Research on Health as a Complex Integrated System

Arianna PORRONE, University of Macerata, Italy Author(s): Valentina De Gregorio, Luisa Ceresa, Giulia Parola, Arianna Porrone, Margherita Paola Poto

[POSTER] Assessing Future Wildfire Impacts Across G20 Countries

Claudio RIBOTTA, University of Sassari, Italy Author(s): Jose Maria Costa-Saura, Claudio Ribotta, Valentina Bacciu, Costantino Sirca, Donatella Spano

[POSTER] Antarctic Sea Ice Area in Ocean Reanalyses

Iulia SELIVANOVA, University of Bologna, Italy Author(s): Julia Selivanova, Dorotea Iovino, Andrea Cipollone, Simona Masina Inter-twinned One Health Crises Domenico VITO, Politecnico di Milano, Italy Author(s): Domenico Vito [POSTER] Spatio-temporal Machine Learning Models to Enhance Pluvial Flood Risk Assessment and Community Resilience to Climate Change Elena ALLEGRI, CMCC Foundation, Italy Author(s): Marco Zanetti, Elena Allegri, Anna Sperotto, Silvia Torresan, Andrea Critto [POSTER] Multi-hazard Assessment Exploiting Machine Learning Capabilities for Eutrophication Modeling: the Venice Lagoon Case Study

[POSTER] Community Resilience Evolutions During

Federica ZENNARO CMCC Foundation, Italy Author(s): Zennaro Federica, Furlan Elisa, Aslan Sinem, Critto Andrea, Marcomini Antonio

[POSTER] Overcoming Conflicting Notions of Climate Forecasts Reliability and Skill in the Agricultural Sector: Lessons Learnt from the MED-GOLD project

Alessandro DELL'AQUILA, ENEA, Italy Author(s): Sandro Calmanti, Marta Bruno Soares, Alessandro Dell'Aquila, Luigi Ponti, Matteo De Felice, Nube González-Reviriego, Raül Marcos-Matamoros, Marta Terrado, António Graça, Natacha Fontes, Marta Teixeira, Chiara Monotti, Javier López Nevado, Valentina Manstretta



15:30 - 16:00 (CEST) – Coffee break



16:00 - 16:45 (CEST) **PL.03 - Plenary Session 3** Chair: Riccardo Valentini Accelerating Climate-Change Solutions: Designing for Near-Term and Long-Term Benefits

Chris FIELD, Woods Institute for the Environment, Stanford University, USA

Past thinking about investments in climate-change solutions typically characterized them as pulling resources away from productive near-term uses. Investments in mitigation were viewed as required to meet long-term commitments, and investments in adaptation were viewed as valuable, but only under a narrow range of conditions associated with climate extremes. Increasingly, it is clear that a broad range of investments in both mitigation and adaptation can provide both near-term and long-term benefits. High levels of near-term benefits can come from four factors: (1) technology leadership and its influence on market dominance, (2) lower cost or higher performance, (3) increased efficiency, and (4) multi-hazard risk reduction. Developing all four in ways that balance environmental justice with economic opportunities remains a challenge. Still, a wide range of climate-change solutions can contribute simultaneously to mitigation, adaption, near-term economic growth, and a just transition.

24 09:00 – 09:15 (CEST) - Familiarizing with the ZOOM platform

PARALLEL SESSION 4

Fri 24 Sep	09:15-11:00 (CEST) S.4.1 – Predicting climate change in the context of risk and adaptation options Chair: Marta Antonelli
09:15-09:2	20 Introduction
09:20-09:4	An integrated and automatic approach to evaluate coastal erosion risk and its nexus with oceanographic drivers and water quality parameters: the Venice littoral case study Maria Katherina DAL BARCO, Ca' Foscari University of Venice, Italy Author(s): Stefano Fogarin, Marco Zanetti, Maria Katherina Dal Barco, Federica Zennaro, Elena Allegri, Elisa Furlan, Silvia Torresan, Andrea Critto, Antonio Marcomini
09:40-10:C	 A Novel Approach in Supporting the Local Authorities to Define Adaptation Actions to Climate Change. Dario GIAIOTTI, ARPA FVG, Italy Author(s): Federica Flapp, Lia Gover, Elisa Sfiligoi, Martina Arteni, Sara Ursella, Dario Giaiotti Elena Gianesini, Alessandro Minigher, Alex Pividori, Massimo Bagnarol, Simone Martini, Alessandro Acquavita
10:00-10:2	20 An Investigation of Climate Change Adaptation Technologies Kerstin HÖTTE, University of Oxford, UK Author(s): Kerstin Hötte, Sugandha Srivastav, Su Jung Jee
10:20-10:4	40 Seasonal Forecast Skill of Upper-Ocean Heat Content in Coupled High-resolution Systems Ronan MCADAM, CMCC Foundation Italy Author(s): Ronan McAdam, Simona Masina, Magdalena Balmaseda, Silvio Gualdi, Retish Senan and Michael Mayer

ACCELERATING CLIMATE ACTION

A JUST TRANSITION IN A POST-COVID ERA

09:15-11:00 (CEST) 24 S.4.2 - Climate services and their potential to support adaptation and risk management Chair: Alessandro dell'Aquila 09:15-09:20 Introduction 09:20-09:40 Synergizing Earth Observations and Seasonal Forecasts within an Innovative Climate Index: the Case of Forage Production in Italy Sara DAL GESSO, Amigo S.r.l., Italy Author(s): S. DAL GESSO, M. Venturini, G. Caria, P. Grilli 09:40-10:00 The Copernicus Climate Change Service (C3S) Sectoral Information System (SIS) Pluvial Flood **Risk Assessment in Urban Areas** Paola MERCOGLIANO, CMCC Foundation Italy Author(s): Paola Mercogliano, Guido Rianna, Alfredo Reder, Marco Mancini, Jaroslaw Mysiak, Stefano Bagli, Claire Jacobs, Gerard van der Schrier, Chiara Cagnazzo 10:00-10:20 Determination of Seasonal Forecast Skill in Identifying Extreme Events of Temperature, Wind Speed, and SPI Massimiliano PALMA, ENEA, SSPT-MET-CLIM, Italy Author(s): Massimiliano Palma, Franco Catalano, Irene Cionni, Marcello Petitta 10:20-10:40 Seasonal Forecasting of Mountain Snow Depth: Evaluation of a Climate Service Prototype Silvia TERZAGO, CNR and Institute of Atmospheric Sciences and Climate, Italy Author(s): Silvia Terzago, Giulio Bongiovanni, Jost von Hardenberg A Prototype Decadal Prediction Climate Service 10:40-11:00 Eirini TSARTSALI, CMCC Foundation, Italy Author(s): E.E. Tsartsali, P.J. Athanasiadis, S. Materia, and S. Gualdi



11:00 - 11:30 (CEST) – Coffee break

PARALLEL SESSION 5



11:30-12:35 (CEST) **S.5.1 – Climate related impacts, risks and adaptation options II** Chair: Roberto Barbiero

11:30-11:35	Introduction
11:35-11:55	Impacts of Climate Change on Pheno-physiological Variables Simulated with IVINE Crop Model in Northern Italy Vineyards Valentina ANDREOLI, University of Turin, Italy Author(s): Valentina Andreoli, Claudio Cassardo, Valeria Dentis
11:55-12:15	Subjective or Objective Climate Change Risk Assessment for Local Adaptation Plans: Towards a Materiality Approach. A Case Study Luca CETARA, Eurac Research, Italy Author(s): Cetara Luca, Pasquale La Malva, Marco Pregnolato
12:15-12:35	Exploring Socio-Natural Factors of Farmers' Adaptation: A Review on Risk Awareness and Perception towards Climate Change Sandra RICART, Politecnico di Milano, Italy Author(s): Sandra Ricart, Andrea Castelletti
24 S.5.	 30-12:55 (CEST) 2 – Climate trends: changes in means and extreme events in observations, simulations and jections II ir: Mario Marcello Miglietta
11:30-11:35	Introduction
11:35-11:55	Modelling Hail Probability over Italy with a Machine Learning Approach Riccardo HÉNIN, CMCC Foundation, Italy

Author(s): Hénin Riccardo, Veronica Torralba, Antonio Cantelli, Silvio Gualdi

- 11:55-12:15 Future Projections of Rossby Wave Packets and Blocking Events with Particular Attention to the Northern Hemisphere Arianna TREVISIOL, RSE S.p.a., Italy Author(s): Arianna Trevisiol, Luciano Gilli, Paola Faggian
- 12:15-12:35 Recent Trends and Future Perspectives of Upwelling Events in the Gulf of Trieste Alessandro MINIGHER, ARPA FVG, Italy Author(s): Dario Giaiotti, Alessandro Minigher
- 12:35-12:55 Observed and Simulated Meridional Moisture Transport Associated with Tropical Cyclones Daniele PEANO, CMCC Foundation, Italy Author(s): Daniele Peano, Enrico Scoccimarro, Alessio Bellucci, Tomas Lovato, Annalisa Cherchi, Silvio Gualdi



12:55 - 14:00 (CEST) – Lunch break

PARALLEL SESSION 6



14:00-15:25 (CEST) **S.6.1 – Urban areas: Assessing, predicting and managing the current and future risk** Chair: Donatella Spano

14:00-14:05	Introduction
14:05-14:25	A Smart Monitoring to Manage and Safeguard the Vegetation Component of Historic Gardens from Climate Change: the EFFORT Approach Elisa CARRARI, University of Florence, Italy Author(s): Carrari E., Costafreda-Aumedes S., Dibari C., Ferrini F., Fineschi S., Giuntoli A., Manganelli Del Fa R., Moriondo M., Mozzo M., Padovan G., Riminesi C., Selvi F., Bindi M.
14:25-14:45	Innovative Methodologies to Review and Conduct Climate Risk Assessments in Urban Contexts. Results and Opportunities from the Milan Case Study Veronica CASARTELLI, CMCC Foundation and Ca' Foscari University of Venice, Italy Author(s): Veronica Casartelli, Letizia Monteleone
14:45-15:05	Italian City Efficiency under Climate Variability: an Empirical Analysis Donatella VIGNANI , ISTAT, Italy Author(s): Donatella Vignani, Sabrina Auci
15:05-15:25	Temperature and Energy Price's Impact on Mortality in European Cities Marinella DAVIDE , Ca' Foscari University of Venice, Italy and Harvard University, United States Author(s): Marinella Davide, Joseph E. Aldy, Enrica De Cian
24 S.6.	00-15:25 (CEST 2 – Climate related impacts, risks and adaptation options III ir: Francesco Pietro Colelli
14:00-14:05	Introduction
14:05-14:25	Did with Endogenous Spillovers: Model and Application to Drought-Shocks on the Trade and Production of Wheat Sandy DALL'ERBA, University of Illinois at Urbana-Champaign, United States Author(s): Sandy Dall'erba, André Chagas, William Ridley, Yilan Xu and Lilin Yuan
14:25-14:45	Evaluation of Drought Economic Impacts on Agriculture in the Po River Basin (Northern Italy) through Models and Surveys Beatrice MONTELEONE, University School for Advanced Studies IUSS Pavia, Italy Author(s): Beatrice Monteleone, Iolanda Borzì, Mario Martina, Brunella Bonaccorso
14:45-15:05	A Tool for Assessing Climate Change Impacts on the Local Energy Sector Mauro MUSSIN, ARPA Italy Author(s): Mauro Mussin, Mario Gregorio Piuri, Orietta Cazzuli, Matteo Zanetti, Gabriele Greco
15:05-15:25	Intense Mediterranean Cyclones: Impacts and Predictability Carmen ALVAREZ-CASTRO, University Pablo de Olavide, Spain Author(s): M. Carmen Álvarez-Castro, Nerea Rodriguez-Cañestro, David Gallego Puyol, Cristina Peña-Ortiz, Pedro Ribera, Davide Faranda

A JUST TRANSITION IN A POST-COVID ERA



15:25 - 16:00 (CEST) – Lunch break



16:00 - 16:30 (CEST)

Reflections on the conference and Award session

Participants' List

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