

Rome2015 SCIENCE SYMPOSIUM on CLIMATE

POSTER SESSIONS

Special areas will be dedicated to the exhibition of posters to provide a further opportunity to present work and projects on climate related research. Thanks to the poster sessions, authors will have the opportunity to share knowledge and results in a communicative context which encourages an immediate exchange of opinions and ideas among the participants.

Posters presented at ROME2015 – SCIENCE SYMPOSIUM ON CLIMATE are grouped as below

THURSDAY, NOVEMBER 19, 2015, H. 11:45 - 13:00	
FLAG ROOM	IRAN ROOM MEZZANINE
CLIMATE CHANGE AND THE FUTURE OF LAND SYSTEM AND BIODIVERSITY	OCEAN AND CLIMATE CHANGE ON THE WAY TO COP21 COP21, THE INDCs AND POLICIES TO ADRESS CLIMATE CHANGE CLIMATE CHANGE AND THE FUTURE OF LAND SYSTEM AND BIODIVERSITY
THURSDAY, NOVEMBER 19, 2015, H. 14:00 - 17:00	
FLAG ROOM	IRAN ROOM MEZZANINE
THE PHYSICS OF CLIMATE CHANGE	OCEAN AND CLIMATE CHANGE ON THE WAY TO COP21 COP21, THE INDCs AND POLICIES TO ADRESS CLIMATE CHANGE
FRIDAY, NOVEMBER 20, H. 10:00 - 13:15	
FLAG ROOM	
CLIMATE CHANGE RESPONSE ACTIONS	
FRIDAY, NOVEMBER 20, H. 14:15 - 17:00	
FLAG ROOM	
WATER, ENERGY AND FOOD NEXUS IN AGRICULTURE	

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THURSDAY, NOVEMBER 19, 2015, H. 11:45 - 13:00	
FLAG ROOM	IRAN ROOM MEZZANINE
CLIMATE CHANGE AND THE FUTURE OF LAND SYSTEM AND BIODIVERSITY	OCEAN AND CLIMATE CHANGE ON THE WAY TO COP21
<p>Elenio AVOLIO (CNR-ISAC) Climate change and phenological implications in Southern Italy</p> <p>Giovanbattista de DATO (CREA-SEL) Mediterranean shrubland responses to climate changes: the results of a long-term climate manipulation experiment</p> <p>Silvano FARES (Council for Agricultural Research and Economics) Environmental control on fluxes of greenhouse gases and biogenic volatile organic compounds in a Holm oak forest</p> <p>Christos GIANNAKOPOULOS (National Observatory of Athens) Assessing vulnerability of forest fires to fire risk within the context of climate change on a global scale</p> <p>Catello MASULLO (Faculty of Engineering, University of Rome 3) Extreme rainfall events and climate change</p> <p>Katie JOHNSON (FEEM, CMCC), Incorporating tides into local level sea level rise loss estimates</p> <p>Valentina BACCIU (CMCC), Land and fire management towards fire emission mitigation: the case study of Central and Southern Italy</p> <p>Giacomo BERTOLDI (EURAC Research) Impacts of climate change on spatial distribution of snow, evapotranspiration and soil moisture in an Alpine Region</p> <p>Michele SALIS (University of Sassari, CMCC) Climate change and wildfire exposure in Sardinia (Italy)</p> <p>Fiorella ACQUAOTTA (University of Turin) Heat waves and mortality in Turin</p> <p>Francesco FACCINI (Università degli Studi di Genova), Flash flooding and climate change in the Genoa metropolitan area (Italy)</p> <p>Mirka MOBILIA (University of Salerno) Event and long term scale analysis of rainfall triggering mdhe in a peri-urban system</p> <p>Davide Luciano DE LUCA (University of Calabria) Frequency analysis of future landslide occurrences by using rainfall point processes and hydrological models</p> <p>Giulia ERCOLANI (University of Florence) Climate change impact on freshwater reserve from a phreatic aquifer in Central Italy</p> <p>Bruno MAJONE (University of Trento), Impact of climate change on hydropower potential in the south-eastern Alpine region</p> <p>Michele SALIS (University of Sassari; Euro-Mediterranean Center on Climate Change) Fire exposure and vulnerability of wildland-urban interfaces: a case study from Northern Sardinia, Italy</p> <p>Alexandra VERGARO (Università degli studi di Firenze) Large Woody Debris in river channels and river ecology</p> <p>Stefano BASSO (EAWAG - Swiss Federal Institute of Aquatic Science and Technology) Resilience of river flow regimes</p> <p>Claudio MINEO (Sapienza University of Rome) Soil Erosion Due To Rainfall: The Role Of Drop Size Distribution</p> <p>Luciano SOLDINI (Università Politecnica delle Marche) Extreme rainfall statistics in the Marche region, Italy</p>	<p>Marco REALE (OGS-Istituto nazionale di oceanografia e di geofisica sperimentale) A process study of Adriatic-Ionian system baroclinic dynamics</p> <p>Silvia TORRESAN (CMCC) Integrated risk analysis for multi-hazard assessment in marine areas: the case study of the Adriatic Sea</p> <p>Luisa D'AMORE (University of Naples Federico II) Innovative Algorithms for intensive Data Assimilation in Ocean Applications</p> <p>Riccardo MARTELLUCCI (Laboratory of Experimental Oceanology and Marine Ecology, University of Tuscia) Tramontana wind and coastal upwelling along the Northern Tyrrhenian Sea East Coast</p> <p>Gianmaria SANNINO (ENEA) Dynamical downscaling of climate change simulations. The coastal sea problem, criticalities and methodological hints</p>
	COP21, THE INDCs AND POLICIES TO ADDRESS CLIMATE CHANGE
	<p>Mostafa DELDOOST (Ferrara University) Impacts of CO2 Tax on Italian Economy: A CGE approach</p> <p>ShouroDASGUPTA (Fondazione Eni Enrico Mattei and Università Ca' Foscari Venezia) Development, Climate Change Adaptation, and Maladaptation: Some Econometric Evidence</p>
	CLIMATE CHANGE AND THE FUTURE OF LAND SYSTEM AND BIODIVERSITY
	<p>Silvia TORRESAN (CMCC) Environmental risk assessment of nutrients on coastal aquatic ecosystems under a changing climate</p> <p>Antonia LONGOBARDI (University of Salerno) Analysis of the precipitation regime in a wide Mediterranean area</p> <p>Luisa NICOLETTI (ISPRA) Climate change and coastal erosion: effects on sandy habitats</p> <p>João LIMA SANT'ANNA NETO (São Paulo State University – UNESP) Rainfall events and flooding episodes in Rio de Janeiro metropolitan area (Brazil): changes in climate patterns and production of urban space challenges</p> <p>Cristiana CERRATO (Institute of Atmospheric Sciences and Climate, National Research Council, Italy) Effects of temperature rise on multi-taxa distribution in mountain ecosystems</p> <p>Claudia Roberta CALIDONNA (Institute of Climate and Atmospheric Science - National Research Council) I-AMICA: a high technology infrastructure realised to monitor for Italian South Mediterranean environmental and climate</p> <p>Giorgio VACCHIANO (Università degli Studi di Torino) Voluntary carbon credits by forest management in the Italian Alps</p>

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IRAN ROOM MEZZANINE

THE PHYSICS OF CLIMATE CHANGE

Raquel NIETO (EPhysLab, Departamento de Física Aplicada, Facultade de Ciencias, Universidade de Vigo, Ourense, Spain) Looking for a connection between oceanic regions with trends in evaporation with continental ones with trends in precipitation through a lagrangian approach

Luisa GIMENO (Ephyslab, Departamento de Física Aplicada, Facultade de Ciencias, Universidade de Vigo, Ourense, Spain) Major mechanisms of atmospheric moisture transport and their role in precipitation extreme events in the Amazonia

Claudio CASSARDO (University of Torino "Alma Universitas Taurinorum") Sensitivity of snow models to the temporal resolution of meteorological forcings

Marta MAGNANI (University of Study of Turin, Department of Physics, Turin) Sensors measuring rainfall: which is the most accurate?

Alessandro ALIVERNINI (Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria) Fluxes of energy and greenhouse gases in Mediterranean forest ecosystems described by the SOil-Plant-Atmosphere (SPA) model

Francesco APADULA (RSE SpA - Ricerca sul Sistema Energetico) Twenty seven years of atmospheric CO₂ observations at Plateau Rosa Station, Italy

Elenio AVOLIO (CNR-ISAC) A study of wind resource and extreme wind through mesoscale atmospheric modeling

Rosamaria CALAUDI (CNR) Preliminary results about offshore wind climatology using SAR in Mediterranean Seas

Diego GUENZI (University of Turin) Analysis of extreme rainfall events in the metropolitan area of Turin with weather radar and a dense rain gauges network

Teresa LO FEUDO (CNR-ISAC) Preliminary analysis of Greenhouse gases and atmospheric aerosol optical properties at coastal site of Lamezia Terme, in central Mediterranean area, using different instruments and methodologies.

Marco REALE (OGS-Istituto nazionale di oceanografia e di geofisica sperimentale) Synoptic conditions leading to positive and negative sea level extremes in the Mediterranean Region

Pamela TRISOLINO (ENEA Laboratory for Observations and Analyses of Earth and Climate) Photosynthetically active radiation in the Mediterranean: long-term measurements and interannual variability

Simona FRATIANNI Relationships between climate change and periglacial environment Atcol D'Olen site (NW Italian Alps)

Elisa GIACCONE The concentration of tropospheric ozone and its relationships with weather types in NW Italy

OCEAN AND CLIMATE CHANGE ON THE WAY TO COP21

Marco REALE (OGS-Istituto nazionale di oceanografia e di geofisica sperimentale) A process study of Adriatic-Ionian system baroclinic dynamics

Silvia TORRESAN (CMCC) Integrated risk analysis for multi-hazard assessment in marine areas: the case study of the Adriatic Sea

Luisa D'AMORE (University of Naples Federico II) Innovative Algorithms for intensive Data Assimilation in Ocean Applications

Riccardo MARTELLUCCI (Laboratory of Experimental Oceanology and Marine Ecology, University of Tuscia) Tramontana wind and coastal upwelling along the Northern Tyrrhenian Sea East Coast

Gianmaria SANNINO (ENEA) Dynamical downscaling of climate change simulations. The coastal sea problem, criticalities and methodological hints

COP21, THE INDCs AND POLICIES TO ADDRESS CLIMATE CHANGE

Mostafa DELDOOST (Ferrara University) Impacts of CO₂ Tax on Italian Economy: A CGE approach

Shouro DASGUPTA (Fondazione Eni Enrico Mattei and Università Ca' Foscari Venezia) Development, Climate Change Adaptation, and Maladaptation: Some Econometric Evidence

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FRIDAY, NOVEMBER 20, H. 10:00 - 13:15

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CLIMATE CHANGE RESPONSE ACTIONS

Paola AGOSTINI (Centro Euro-Mediterraneo sui Cambiamenti Climatici - CMCC) Experiences of application of operational oceanography services and tools

Jacopo BARON Vanuatu and the climatic change: an ethnographic report

Gianluca CARBONI (Agris - Research Agricultural Agency of Sardinia) Conservation agriculture as a smart strategy to cope with climate change in the Mediterranean basin

Maksym CHEPELIEV (SI "Institute for Economics and Forecasting, Ukrainian National Academy of Sciences) Sustainable energy development paths for Ukraine: top-down – bottom-up approach

Fabio DEL FRATE (University of Tor Vergata GEO-K SRL) The urbanfluxes project: using satellite data to estimate anthropogenic heat flux

Francesca DI TURO (La Sapienza, Rome University) Climate change impacts on cultural heritage materials in synergies with air pollution: the European risk assessment

Gabriela FERNANDEZ (Politecnico di Milano) Rethinking European Union material flow analysis national account methodologies

Alessandra FIDANZA (Technische Universität Berlin) Urban climate resilience: a first framework for urban regeneration

Andrea MOTRONI (Environmental Protection Agency of Sardinia, Italy) The case study of Sorradile (Sardinia, Italy) as a paradigm of Mayors Adapt INITIATIVE ON local climate change adaptation strategies

Filomena PIETRAPERTOSA (CNR -Consiglio Nazionale delle Ricerche) Urban climate planning in Spain and Italy: barriers and opportunities

Giovanni PITARI (Università dell'Aquila) Sensitivity of methane lifetime and transport to sulphate geoengineering

Silvia TITOTTO (University of Bologna) Thermoregulation in nests of social insects: beyond biomimetic architecture

Margaretha BREIL (Fondazione Enrico Mattei) Qualitative scenario building for post-carbon cities

Hiroki SASAKI (FAO) Multi-disciplinary assessments of climate change impacts on agriculture to support adaptation decision making

Gabriella SCANNAPIECO (Department of Civil Engineering, University of Salerno) Mediane risk in a changing climate

Serena MARRAS (University of Sassari and CMCC) Is a vineyard able to offset GHG emissions released during the grape production process?

Andi MEHMETI (Parthenope University of Naples) Eco-efficient fuel cells in a low carbon economy

Sofia SPIROU (Independent Environment Consultant) Valuing insurance services emerging from a gene bank: The case of the Greek Gene Bank

Valeria PELLEGRINI (University of Roma Tre) Improving strategic environmental assessment baseline to prioritize adaptation into local plans

Lorenzo BARBIERI (Università degli Studi Roma Tre) Public Transport and Climate Change in Rome: Impacts on the Network

Veronica BELLUCCO (University of Sassari) Measuring and modelling CO₂ emission in the city of Sassari

Elisa CALLIARI (Fondazione Eni Enrico Mattei, Centro Euro-Mediterraneo sui Cambiamenti Climatici, Università Ca' Foscari)

Assessing the institutional constraints to adaptation through social network analysis: evidence from the Carmen-Pajonal-Machona lagoon system in Mabasco (Mexico)

Domenico VITO (Politecnico di Milano) Software architectures for remote sensor based farming decision support systems as tools for agricultural climate change adaptation strategies

Silvia TORRESAN (CMCC) Climate change and hydrological drought: risks and adaptation responses for the irrigation sector in the Apulia Region (Italy).

Jessica PIZARRO (Monash University- CSIRO) Climate impacts, implications and adaptation options for the uranium supply chain in Australia

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WATER, ENERGY AND FOOD NEXUS IN AGRICULTURE

Maurizio BACCI (Istituto di Biometeorologia - Consiglio Nazionale delle Ricerche) Present and near future climate change on rice crop yield in Casamance (Senegal)

Prakash JHA (University of Venice Ca Foscari) Using seasonal climate forecasts to predict rice yield over Nepal's Terai

Francesca LUGERI (ISPRA) The Landscape holistic approach in studying a new and sustainable wine production

Viviana GUIDO (University of Sassari, Euro-Mediterranean Center on Climate Change - CMCC) A modelling approach to analyze the occurrence of grapevine phenological stages under climate change scenarios

Gennaro LAERA (ASSOCODIPUGLIA - Associazione Regionale Consorzi Difesa Puglia) Integration of 'smart' DSS and local weather services to support farm irrigation management and adaptation to climate variability

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Valentina MEREU (EURO-MEDITERRANEAN CENTER ON CLIMATE CHANGE - CMCC) Effects of climate data at different spatial scales on crop modeling analysis in regional climate impact studies

Anna PELOSI (C.U.G.RI at University of Salerno) Forecasting crop evapotranspiration using ensemble numerical weather forecasts

Quy Giang PHAM (The University of Tokyo) Effects of flood inundation upon rice production as a result of climate change reinforced multi-day extreme precipitation

Martina SCHLAIPFER (Weihenstephan-Triesdorf University of Applied Sciences) Short rotation forestry on drained peatland – a survey of drivers for GHG emissions

Giulia VILLANI (University of Bologna) Irrigation scenarios under future climate changes in Emilia-Romagna

Carla CESARACCIO (National Research Council of Italy, Institute of Biometeorology) Grapevine water status estimation using thermal and digital images from proximal sensing approach

Emanuele ECCEL (Fondazione Edmund Mach, San Michele all'Adige - TN) Observed and expected shift in climatic and bio-climatic indices in an alpine region

Andrea GALLO (University of Sassari, Euro-Mediterranean Center for Climate Changes - CMCC) Climate change impacts on wheat and maize in Euro-Mediterranean area

Sara HERNÁNDEZ BARRERA (University of Salamanca, Spain) Climate change and wheat yield impact in Spain

Herbert KASIITA (Veterinary Practitioners without Borders Uganda) Looking back critically inside the box to understand eco-migration of pastoralists in the unending quest for water and pasture through a livelihood mirror

Noemi MANCOSU (University of Sassari and Euro-Mediterranean Center on Climate Changes - CMCC) Uncertainties on future irrigation demand and productivity to support population in Africa

Sara MASIA (University of Sassari) Impact of climate change on crop water requirements at Mediterranean basin scale

Tommaso PACETTI (University of Florence -Environmental and CivilEngineering) **Water-Energy Nexus: the Water Footprint of biogas production in a changing climate**

Rodica TOMOZEIU (ARPA-SIMC, Emilia-Romagna) Future climate change scenarios over Italian areas derived from statistical and dynamical models

Slivia BARONTI (CNR-Ibimet) New perennial grains for climate change mitigation and adaptation

Antonia LONGOBARDI (University of Salerno) Reservoirs performances under climate and demand variability. A case study

Claudio CASSARDO (Department of Physics, University of Torino "Alma Universitas Taurinorum") Micrometeorological conditions of vineyards in Piemonte Region

Carmela CASCONI (ISPRA - Institute for Environmental Protection and Research) Forest woody biomass, climate change mitigation actions and rural development

Emanuela RECCHINI (ISTAT) A web platform integrating geospatial data on environmental and economic phenomena in a climate change perspective