

**Day 1 - 29th SEPTEMBER, 2014**

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| 9.00-10.00 | <p><b>Welcome Address</b><br/>         A.NAVARRA, SISC President<br/>         C. CARRARO - S. MASINA, co-chair Scientific Committee SISC Annual Conference</p> <p><b>Plenary Lecture</b><br/> <b>Climate Change: Too late for 2°C?</b><br/>         T. STOCKER, University of Bern - IPCC WGI co-chair</p> |
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|               | Parallel sessions<br>MITIGATION POLICIES & STRATEGIES  | Parallel sessions<br>ADVANCES IN CLIMATE SCIENCE  | Parallel sessions<br>VULNERABILITY, RISK ASSESSMENT and ADAPTATION TO CLIMATE CHANGE   |
|---------------|--|---|--|
|               | Climate change mitigation strategies<br>ROOM Silvio Trentin - first floor  | Climate variability & climate change I<br>ROOM A - ground floor   | Economic value of adaptation strategies<br>ROOM B - ground floor   |
| 10.00-10.20   | Mitigating GHG emissions in subnational contexts: the case of the city of Rio de Janeiro<br><i>E. La Rovere (Federal University of Rio de Janeiro)</i>                         | A simple explanation for climate variations in the Sahel<br><i>A. Giannini (IRI)</i>  | Climate change impacts and market driven adaptation: The costs of inaction including market rigidities<br><i>F. Bosello (FEEM)</i>   |
| 10.20-10.40   | Sharing of Climate Risks across Macro Regions<br><i>J. Emmerling (FEEM)</i>  | Projected daily precipitation characteristics change in the early 21st century in Southern Africa<br><i>I. Diallo (Abdus Salam ICTP)</i>                        | Adapting natural capital: cost-benefit challenges and indicative net present values<br><i>D. Moran (SRUC)</i>  |
| 10.40-11.00   | Anthropic Emissions of greenhouse gas (GHG) and reference for mitigation policy of emissions in Mato Grosso (Brazil)<br><i>M.D. de Jesus Teixeira (University of Brasilia)</i> | Linking South Asian summer monsoon and eastern Mediterranean climate in CMIP5 simulations: performance and 21st century projections<br><i>A. Cherchi (CMCC)</i> | The Value of Protecting Venice from the Acqua Alta Phenomenon under Different Local Sea Level Rises<br><i>F. Fontini (University of Padova)</i>  |
| 11.00-11.20   | CO2 emissions by a university campus: assessment, uncertainties and reduction strategies<br><i>S. Scolieri (Politecnico Milano)</i>  | A Zonal View of Atmospheric Heat Transport Variability<br><i>G. Messori (Stockholm University)</i>  | A Choice Experiment application for valuing adaptation of river services to climate change<br><i>D. Andreopoulos (Free University of Bolzano)</i>  |
| 11.20-11.30   | Discussion   | Discussion  | Discussion   |
| 11.30-12.00   | Coffee Break   | Coffee Break  | Coffee Break   |
|               | Low carbon finance<br>ROOM Silvio Trentin - first floor  | Climate variability & climate change II<br>ROOM A - ground floor  | Risk assessment<br>ROOM B - ground floor   |
| 12.00-12.20   | The Role of Public-Private Partnerships (PPPs) in Scaling Up Financial Flows in The Post-Kyoto Regime<br><i>G. Galluccio (CMCC)</i>  | Turbulence regimes deduced from the analysis of observed and modeled global ocean data<br><i>V. Artale (ENEA)</i>   | Developing climate risk and adaptation services in coastal zones: an integrated bottom-up approach applied in the North Adriatic coast<br><i>S. Torresan (CMCC)</i>  |
| 12.20-12.40   | The Landscape of Public Climate Finance in Indonesia<br><i>A. Falconer (Ca' Foscari University, CPI)</i>   | Storm classification for Tyrrhenian Sea and wave conditions changes over last thirty years<br><i>F. Paladini de Mendoza (University of Tuscia)</i>              | Households' Vulnerability to Climate Variability and Change: Adverse effects and adaptation strategies in Southern Ethiopia<br><i>Z. Dendir (Madawalabu University)</i><br><i>tbc</i>                            |
| 12.40-13.00   | Public-Private Partnerships in Green Energy Infrastructure Investments<br><i>I. Alloisio (FEEM)</i>  | Regional climate simulations with COSMO-CLM over the Mediterranean area<br><i>P. Mercogliano (CMCC)</i>   | Changing meso level response to extreme climate events in Viet Nam<br><i>I. Christoplos (Danish Institute for International Studies)</i>   |
| 13.00 - 13.20 | The role of public finance in CSP: lessons from the ups and downs of CSP policies in Spain<br><i>G. Frisari (Ca' Foscari University)</i>                                       | Tropical cyclone rainfall changes in response to a warmer climate and increased CO2<br><i>E. Scoccimarro (CMCC)</i>   | Assessing the impacts of climate change on marine water quality through a spatially resolved risk assessment approach: the North Adriatic sea (Italy) as case study<br><i>A. Critto (Ca' Foscari University)</i> |
| 13.20-13.30   | Discussion   | Discussion  | Discussion   |
| 13.30-14.30   | Lunch  | Lunch   | Lunch  |
|               | Parallel sessions<br>MITIGATION POLICIES & STRATEGIES  | Parallel sessions<br>ADVANCES IN CLIMATE SCIENCE  | Parallel sessions<br>IMPACTS & IMPLICATIONS OF CLIMATE CHANGE  |
|               | Energy technologies and policies<br>ROOM Silvio Trentin - first floor  | GHG & solar variability: past and future<br>ROOM A - ground floor   | Methods for assessment/quantification of climate change impacts<br>ROOM B - ground floor   |
| 14.30-14.50   | Climate Change Mitigation and Energy Technology Costs: A Multi-model sensitivity analysis<br><i>G. Marangoni (FEEM)</i>  | Influence of forcings and variability on recent global temperature behavior: A neural network analysis<br><i>A. Pasini (CNR)</i>                                | Fire in ice and sediments: looking for early human impacts<br><i>P. Zennaro (CNR - IDPA)</i>   |
| 14.50 - 15.10 | Distributional impact of reducing fossil fuel subsidies in Indonesia<br><i>L. Campagnolo (FEEM)</i>  | Impact of greenhouse gases and insolation on the threshold of glacial inception<br><i>F. Colleoni (CMCC)</i>  | Could Temperature Affect the Geospeciation of Trace Elements in sediments? LATECC Project (Lagoon, Temperature and Chemical Contamination) in the Venice Lagoon<br><i>F. Corami (Ca' Foscari University)</i>     |
| 15.10 - 15.30 | Banning Non-Conventional Oil Extraction: Would a Unilateral Move of the EU Really Work?<br><i>S. Carrara (FEEM)</i>  | Past and future solar radiation variability and change over Sicily<br><i>V. Manara (Univesity of Milan)</i>   | The impacts of a changing climate on the human environment<br><i>G.C. Ruggeri (Lega Navale Italiana)</i>   |
| 15.30-15.50   | Oil Market and Long-term Scenarios: a Nash-Cournot Approach<br><i>F. Sfera (CMCC)</i>  | Top down emission estimates of radiatively active F-gases vs bottom up inventories<br><i>M. Maione (University of Urbino)</i>                                   | Assessing the economic general equilibrium effects of sea level rise in the Italian Regions<br><i>G. Standardi (CMCC)</i>  |
| 15.50-16.00   | Discussion   | Discussion  | Discussion   |
| 16.00-16.30   | Coffee Break   | Coffee Break  | Coffee Break   |

|             | Parallel sessions<br><b>VULNERABILITY, RISK ASSESSMENT and ADAPTATION TO CLIMATE CHANGE</b>  | Parallel sessions<br><b>ADVANCES IN CLIMATE SCIENCE</b>   | Parallel sessions<br><b>IMPACTS &amp; IMPLICATIONS OF CLIMATE CHANGE</b>   |
|-------------|--|---|--|
|             | <b>Adaptation policies and strategies</b><br>ROOM Silvio Trentin - first floor   | <b>Climate data: management &amp; analysis</b><br>ROOM A - ground floor   | <b>Impacts on ecosystems, food and agriculture</b><br>ROOM B - ground floor  |
| 16.30-16.50 | Do Political Systems Matter? Differences And Similarities In Institutional Settings That Support National Adaptation Strategies Across European States<br><i>S. Venturini (Climalia)</i> | The contribution of the homogenization in the extreme precipitation events<br><i>F. Acquafatta (University of Turin)</i>                  | Fires in the perspective of future changes: the contribute of CMCC to FUME Project<br><i>V. Bacciu (CMCC - University of Sassari)</i>        |
| 16.50-17.10 | A national adaptation strategy to climate change in Italy: can the right stakeholders be engaged?<br><i>M. Davide (FEEM/CMCC)</i>  | CLIME: analysing climate data in GIS environment<br><i>L. Cattaneo (CMCC)</i>   | Vulnerability of the Northern Adriatic Sea Fishery to Climate Change<br><i>A. Caccin (Ca'Foscari University)</i>                             |
| 17.10-17.30 | A methodological approach for stakeholder engagement at regional level in Climate Change Adaptation Policies<br><i>J. Terradez Mas/A. Ballarin (Fondazione Lombardia Ambiente)</i>       | Climate change scientific discovery at large scale<br><i>S. Fiore (CMCC)</i>  | The Effects of Climate Change on Agricultural Sustainability in MENA Countries: Implications for Food Security<br><i>B. Dhehibi (ICARDA)</i> |
| 17.30-17.50 | Adapting to Climate Change: Bologna as Resilient City<br><i>P. Pellizzaro (Kyoto Club)</i>   | Levels and particle size distribution of water-soluble organic compounds in the Antarctic particulate matter<br><i>R. Zangrando (CNR)</i> | Assessing multiple climate change impacts in coastal zones: the North Adriatic case study (Italy)<br><i>S. Torresan (CMCC)</i>               |
| 17.50-18.00 | Discussion   | Discussion  | Discussion   |
| 18.00-19.30 | Treasure hunt in the mine of data<br>Innovation, knowledge and climate communication<br>ROOM Silvio Trentin - first floor - Plenary session, in Italian                                  |   |  |
| 20.30       | Social dinner  | Social dinner   | Social dinner  |

#### Day 2 - 30th SEPTEMBER, 2014

|               | Parallel sessions<br><b>MITIGATION POLICIES AND STRATEGIES</b>   | Parallel sessions<br><b>IMPACTS &amp; IMPLICATIONS OF CLIMATE CHANGE</b>   | Parallel sessions<br><b>ADVANCES IN CLIMATE SCIENCE</b>   |
|---------------|--|--|---|
|               | <b>Air quality and carbon reduction policies</b><br>ROOM Silvio Trentin - first floor  | <b>Impacts on energy, health and cultural heritage</b><br>ROOM A - ground floor  | <b>Data analysis &amp; modelling over Italy</b><br>ROOM B - ground floor  |
| 9.00-9.20     | Can Nigeria pursue low carbon development?<br><i>R. Cervigni (WorldBank)</i>   | Results of the EU Project Climate For Culture: Future Climate-induced Risks to Historic Buildings and their Interiors<br><i>D. Camuffo (ISAC-CNR)</i>  | Extreme events in a Warmer Climate over Mediterranean Basin with focus over Italy<br><i>P. Faggian (RSE SpA)</i>  |
| 9.20-9.40     | Synergies and Interactions Between Climate Change Policies and Air Pollution Control Strategies — Results of the WITCH Integrated Assessment Mode<br><i>L. Aleluia da Silva Reis (FEEM)</i>    | Nature-based urban planning: a framework to assess the impact of green infrastructure design on ecosystem services ameliorating climate change<br><i>L. Zardo (University of Trento)</i>                               | Evaluating the Effects of Changes in Observational Sites Position and Surrounding Urbanisation on the Historical Temperature Time Series of the City of Trento in the Alps<br><i>L. Giovannini (University of Trento)</i> |
| 9.40-10.00    | Design, Process, and Performance Criteria Provide Structure to Climate Policy<br><i>A. Verbruggen (University of Antwerp)</i>  | Future impacts of climate change on sectoral electricity demand<br><i>E. De Cian (FEEM)</i>  | High resolution hindcast simulations over Italy with COSMO-CLM model<br><i>P. Mercogliano (CMCC)</i>  |
| 10.00-10.20   | Mirages in climate policy evaluation: how model assumptions may drive policy costs<br><i>M. Michetti (CMCC)</i>  | A preliminary approach to estimate the impact of climate change on electricity demand in Italy<br><i>S. Scapin (University of Milan)</i>   | Carbon flux and climate change on Capo Caccia karst ecosystem (Sardinia, Italy)<br><i>L. Sanna (CNR)</i>  |
| 10.20 - 10.40 | Selection of carbon budgets under current knowledge of uncertainties<br><i>L. Drouet (CMCC)</i>  | Impact of climate change on historic architectural surfaces of the Venetian area<br><i>E. Zendri (Ca' Foscari University)</i>  | Delta change variations in extreme values of precipitation for the next century in Central Campania<br><i>G. Rianna (CMCC)</i>  |
| 10.40-10.50   | Discussion   | Discussion   | Discussion  |
| 10.50-11:20   | Coffee Break   | Coffee Break   | Coffee Break  |
|               | Parallel sessions<br><b>MITIGATION POLICIES AND STRATEGIES</b>   | Parallel sessions<br><b>IMPACTS &amp; IMPLICATIONS OF CLIMATE CHANGE</b>   | Parallel sessions<br><b>VULNERABILITY, RISK ASSESSMENT and ADAPTATION TO CLIMATE CHANGE</b>   |
|               | <b>Old and new market mechanisms</b><br>ROOM Silvio Trentin - first floor  | <b>Hydrological Risk</b><br>ROOM A - ground floor  | <b>Water Management</b><br>ROOM B - ground floor  |
| 11.20 - 11.40 | Loss & Damage: a Critical Discourse Analysis<br><i>E. Calliari (FEEM)</i>  | Assessing indirect expected annual loss of flooding in Italy under current and future climate<br><i>L. Carrera (CMCC)</i>  | Experience in water modelling in agriculture considering climate and policy change<br><i>G. M. Bazzani (CNR)</i>  |
| 11.40 - 12.00 | Impacts of tradable emission allowances on investment and economic growth<br><i>C-H. Huang (Taiwan Research Institute)</i>   | Mase (Kyoto University) - Climate Change Effects on Seawall Stability  | Water security issue in the Caribbean Windward Islands<br><i>M. Amadio (FEEM/CMCC)</i>  |
| 12.00 - 12.20 | Community Managed Forest Groups and Preferences for REDD+ Contract Attributes: A choice experiment survey of communities in Nepal<br><i>P. Jha (Ca' Foscari University)</i>                    | Changes of Geo-morphological Characteristics of the Manu River of Bangladesh and Suggestive Measures for Sustainable Management<br><i>R. Karim (Military Institute of Science and Technology, Dhaka)</i><br><i>tbc</i> | The Water Abstraction Licence Regime In Italy: A Case For Reform?<br><i>S. Santato (CMCC)</i>   |
| 12.20 - 12.40 | Climate Changes: Liability And Insurability Of Risks In Various Legislative And Institutional Settings In Light Of The Latest Scientific Knowledge<br><i>B. Pozzo (University of Insubria)</i> | Climate change impacts on the flow regime of snow-dominated rivers: case study in Lebanon<br><i>I. Portoghesi (CNR)</i>  | Discussion  |
| 12.40-12.50   | Discussion   | Discussion   |   |
| 12.50-14.00   | Lunch  | Lunch  | Lunch   |
| 14.00-15.30   | Poster Session   |  | SISC General Assembly   |
| 15.30-16.00   | Plenary - Awards   |  |   |

14.00-15.30

## Poster Session

| IMPACTS & IMPLICATIONS OF CLIMATE CHANGE   | VULNERABILITY, RISK ASSESSMENT and ADAPTATION TO CLIMATE CHANGE  | ADVANCES IN CLIMATE SCIENCE   |
|--|--|---|
| Forecasting bioclimatical trends from recent times until the end of the twenty-first century in Andalusia (South of Spain)<br><i>J. Lopez-Tirado (University of Huelva)</i>  | Forest management in water protection areas under climate change<br><i>H. Siegel (BMLFUW)</i><br><i>tbc</i>                                | Global scale energy budget variations in the outputs of the ERA-20CM experiment<br><i>P. Lionello (University of Salento)</i><br><i>tbc</i>                             |
| Projections of changes in livestock production in the Republic of Moldova according to an ensemble from 10 GCMs for SRES A2, A1B and B1 emission scenarios in the XXI century<br><i>L. Taranu (Ministry of Environment, Republic of Moldova)</i><br><i>tbc</i> | Risk assessment on coastal environments under climate change: Southern Brazil<br><i>S. Figueiredo (Universidade Federal do Rio Grande)</i> | Climate Models Performance Optimization through Min-Apps<br><i>I. Epicoco (CMCC)</i>  |
| Investigation on the Reference Evapotranspiration Distribution at Regional Scale by Alternative Methods to Compute the Fao Penman-Monteith Equation<br><i>N. Mancosu (CMCC, University of Sassari)</i><br><i>tbc</i>   | An Online Platform for Supporting the Analysis of Water Adaptation Measures in the Alps<br><i>C. Giupponi (CMCC)</i>                       | The response of the mean meridional circulation to global warming and its relationship with precipitation<br><i>R. D'Agostino (University of Salento)</i><br><i>tbc</i> |
| Spatiotemporal changes in wildfire patterns in Sardinia<br><i>M. Salis (CMCC, University of Sassari)</i><br><i>tbc</i>   |  | Downscaled temperature scenarios for 5 sites in the Basilicata region<br><i>A. Pasini (CNR)</i>   |
|  |  | Statistical downscaling method applied for a future climate profile at local level - Bologna case study as resilient city<br><i>R. Tomozeiu (ARPA)</i>                  |
|  |  | Using regional climate models for food-security scenarios in Africa<br><i>S. Calmanti (ENEA)</i>  |
|  |  | An Uncertainty Monster: Advances In Addressing Model Uncertainty<br><i>M. Mistry (Ca' Foscari University)</i>   |