

4th World Conference on

CLIMATE CHANGE

October 19-21, 2017 | Rome, Italy



Conference Series-America

One Commerce Center-1201, Orange St. #600, Wilmington, Zip 19899, Delaware, USA
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Conference Series-UK

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Olimpica 2

conference**series.com** 08:30-08:55

Opening Ceremony

Keynote Forum

- 08:55-09:00 **Introduction**
Title: Autocatalytic conversion of oceanic dimethyl sulfide emissions into cloud
 09:00-09:25 **Agustin J Colussi**, Linde Center for Global Environmental Science, USA
- 09:25-09:50 **Title: Forest resilience to warming climate**
 09:50-10:15 **Chuixiang Yi**, Queens College of City University of New York, USA
- 09:50-10:15 **Title: The status of US climate and clean energy policy**
 10:15-10:40 **Joseph Tomain**, University of Cincinnati, USA
- 10:15-10:40 **Title: Climate Change: Evidence of Holocene high-Amplitude events**
Nils-Axel Morner, Paleogeophysics & Geodynamics, Sweden

Group Photo

Networking and Refreshments Break 10:40-10:55 @ Foyer

- 10:55-11:20 **Title: My involvement with climatic changes**
Franco Maranzana, Stratex Djibouti, Italy
- 11:20-11:45 **Title: Using big data to unlock and catalyze community climate change mitigation action: A roadmap and case studies from Pecan Street Inc.**
Suzanne Russo, Pecan Street Inc., USA
- 11:45-12:10 **Title: Climate, some natural anomalies and seismicity**
Vladimir Babeshko, Russian Academy of Sciences, Russia

Sessions: Risks of Climate Change | Renewable Energy to Mitigate Climate Change | Pollution & its Effects on Climate | Solutions for Climate Change

Session Chair: Karl Zeller, Independent Researcher, USA

Session Co-chair: David Sanborn Scott, University of Victoria, Canada

Session Introduction

- 12:10-12:30 **Title: Greenhouse gas sensors fabricated with new materials for monitoring climate change: A review**
Kalathur Santhanam, Rochester Institute of Technology, USA
- 12:30-12:50 **Title: Response of East-European forest-steppe soils on climate change varying periodicity**
Yury G Chendev, Belgorod State University, Russia

Lunch Break 12:50-13:30 @ Hotel Restaurants

- 13:30-13:50 **Title: Climate change impact on rice production in Musi river basin in Indonesia**
Koki Homma, Tohoku University, Japan
- 13:50-14:10 **Title: Landsat-based vegetation abundance and surface temperature for surface urban heat island studies: The tale of greater Amman municipality in the Hashemite Kingdom of Jordan**
Salahuddin M Jaber, Hashemite University, Jordan
- 14:10-14:30 **Title: Spatial-temporal evolution of dust events and the column burden of natural and anthropogenic dust of northern China**
Xin Wang, Lanzhou University, China

- 14:30-14:50** Title: **Incremental Control of world Albedo by massive salt leaching using the ancient purpose engineered Qanat- Karez- Falaj technology to control fractional coverage of crystalline white salt precipitation over vast areas of existing endorheic basins**
David Bloch, M.R.Bloch Salt Archive, Isreal
- 14:50-15:10** Title: **Mitigation of greenhouse gases emissions with the rice plastic mulch technology in southwest China**
Guangbin Zhang, Chinese Academy of Sciences, China
- 15:10-15:30** Title: **Marine cloud brightening essentials for ethicists**
Stephen Salter, University of Edinburgh, Scotland
- 15:30-15:50** Title: **Cyber-Attacks in Ukraine show vulnerability of traditional power grids**
Julia E Sullivan, Law Office of Julia E Sullivan LL, USA

Networking and Refreshments Break 15:50-16:05 @ Foyer

- 16:05-16:25** Title: **Evaluation of the impact of future HFC replacements on air pollution and global warming**
Elena Jimenez Martinez, University of Castilla-La Mancha, Spain
- 16:25-16:45** Title: **Adaptation to sea level rise from Shanghai city, China**
Cheng Heqin, East China Normal University, China
- 16:45-17:05** Title: **Hydrogen and Electricity (Hydricity): The essential currencies to escape climate catastrophe**
David Sanborn Scott, University of Victoria, Canada
- 17:05-17:25** Title: **Analogy between biofuels and nuclear energy and their contributions in the climate change mitigation**
Moktar Hamdi, University of Carthage, Tunisia
- 17:25-17:45** Title: **Preliminary study of Global Warming mitigation by grazing OTEC**
Nai Kuang Liang, Internanational Ocean & Atmosphere Research Fundation, Taiwan
- 17:45-18:05** Title: **Applying the scientific method to climate science**
Karl Zeller, Independent Researcher, USA

Panel Discussion

Day 2 October 20, 2017

Olimpica 2

Keynote Forum

- 09:00-09:25** Title: **Adapting to climate change: Lessons from farmers and peri-urban residents in South Australia**
Guy M Robinson, University of Adelaide, Australia
- 09:25-09:50** Title: **To navigate within environmental limits for the benefit of future generations**
Inga Carlman, Mid Sweden University, Sweden
- 09:50-10:15** Title: **Modeling and forecasting climate change: CMIP5 general circulation models versus a semi-empirical model based on natural oscillations**
Nicola Scafetta, University of Naples Federico II, Italy
- 10:15-10:40** Title: **A new physical paradigm for climate science**
Ned Nikolov, Independent Researcher, USA

Networking and Refreshments Break 10:40-10:55 @ Foyer

- 10:55-11:20** Title: **Climate Change and blue algal blooms: An example of extreme conditions**
Rosa Galvez, Laval University, Canada
- 11:20-11:45** Title: **Preserving agricultural land and activities in the context of climate change and variability and multiple other stressors: What can land use planning and strategic development planning for agriculture contribute?**
Christopher Bryant, University of Montreal, Canada

Sessions: Global Warming Effects & Causes | Climate Change: Biodiversity Scenarios | Oceans & Climate Change | Effective Adaptation | Climate Hazards

Session Chair: Liming Zhou, State University of New York, USA

Session Co-Chair: Nils-Axel Morner, Paleogeophysics & Geodynamics, Sweden

Session Introduction

- 11:45-12:05** **Title: Desert amplification and Global Warming**
Liming Zhou, State University of New York, USA
- 12:05-12:25** **Title: Geomorphological changes and tsunami risk in a coastal Wetland Post-earthquake in South-Central Chile**
Carolina Martinez, Pontifical Catholic University of Chile, Chile
- 12:25-12:45** **Title: Mathematical model to calculate the sensitivity of anthropogenic CO₂ on global Earth temperature**
Tino Redemann, Otto von Guericke University Magdeburg, Germany

Lunch Break 12:45-13:25 @ Hotel Restaurants

- 13:25-13:45** **Title: CDEFs securities in high carbon reservoir ecosystem of tropical peatland**
Mitsuru Osaki, Hokkaido University, Japan
- 13:45-14:05** **Title: Elevated atmospheric CO₂ benefits rhizosphere microenvironment of black locust seedlings in Cd- and Pb-contaminated soils by altering plant physiology**
Xia Jia, Chang'an University, China
- 14:05-14:25** **Title: Our Oceans – Our future: New evidence-based sea level records from the Fiji islands indicating no rise in Ocean level**
Nils-Axel Morner, Paleogeophysics & Geodynamics, Sweden
- 14:25-14:45** **Title: Properties of black carbon and other insoluble light-Absorbing particles in seasonal snow of northwest China**
Wei Pu, Lanzhou University, China
- 14:45-15:05** **Title: Geospatial and temporal analysis of drought in a mountainous environment: The case of Lesotho**
Geofrey Mukwada, University of the Free State, South Africa
- 15:05-15:25** **Title: Development of drying crack networks in slurries with different thicknesses**
Yue Zhang, Tongji University, China
- 15:25-15:45** **Title: Global climate change impact on the electrical energy cost of buildings: Madrid case study**
Roberto San Jose, Technical University of Madrid, Spain

Networking and Refreshments Break 15:45-16:00 @ Foyer

- 16:00-16:20** **Title: Development of policy strategy for carbon capture and storage; Case study based in Japan**
Eiji Komatsu, Meiji University, Japan
- 16:20-16:40** **Title: Investigation on the tendencies of the land–Ocean warming contrast in the recent decades**
Jianjun Xu, Guangdong Ocean University, China
- 16:40-17:00** **Title: Climate change in the coastal Ocean: Trends and processes from the middle Atlantic bight of the U.S**
Glen Gawarkiewicz, Woods Hole Oceanographic Institution, USA
- 17:00-17:20** **Title: Understanding the variability of urban heat islands for climate change adaptation**
Ranhao Sun, Chinese Academy of Sciences, China

Panel Discussion

Olimpica 1

Sessions: Sustainability & Climate Change | Climate Change Law & Policy | Energy Policy | CO₂ Capture and Sequestration | Carbon Cycle

Session Chair: Christopher Bryant, University of Montreal, Canada
Session Co-Chair: Lei Shen, University of Chinese Academy of Sciences, China

Session Introduction

- 11:45-12:05** **Title: The key issues in optimizing policy instruments for commercializing carbon capture and storage in Japan**
Akihiro Nakamura, Meiji University, Japan
- 12:05-12:25** **Title: Greening energy supply in Tibet, China: A roadmap targeting the substantial increase in energy consumption**
Jianan Zhao, University of Chinese Academy of Sciences, China
- 12:25-12:45** **Title: Exploring an Optimal Synergy between Regional Energy Security and Carbon Emission Mitigation: A Review**
Lei Shen, University of Chinese Academy of Sciences, China

Lunch Break 12:45-13:25 @ Hotel Restaurants

- 13:25-13:45** **Title: Climate change impacts on groundwater: Literature review**
Chris Moseki, Department of Water and Sanitation, South Africa
- 13:45-14:05** **Title: Low carbon energy development and its contribution to realize the reduction target of carbon intensity in China**
Limao Wang, University of Chinese Academy of Sciences, China
- 14:05-14:25** **Title: Sustainability, ethics and climate change**
Jose Luis Sanchez Garcia, Catholic University of Valencia, Spain
- 14:25-14:45** **Title: The role for strategic environmental assessment (SEA) & environmental impact assessment (EIA) for carbon capture and storage in Japan**
Nakamura Akihiro, Meiji University, Japan
- 14:45-15:05** **Title: Toward an Optimal Co-Benefit between Energy Security and Carbon Mitigation in China: a Policy Roadmap**
Shuai Zhong, University of Chinese Academy of Sciences, China
- 15:05-15:25** **Title: The application of ¹³C pulse labeling in the partitioning of soil respiration in a Leymus chinensis steppe in Inner Mongolia, China**
Geng Yuanbo, Chinese Academy of Science, China
- 15:25-15:45** **Title: Environmental impact of aircraft emissions and aviation fuel tax in Japan**
Rodrigo Gonzalez, Keio University, Japan

Networking and Refreshments Break 15:45-16:00 @ Foyer

- 16:00-16:20** **Title: Carbon footprint for human activities on Antarctic: A review**
Li Wei, Taiyuan University of Technology, China
- 16:20-16:40** **Title: Strengthening local government and community resilience to address climate change impact in Indonesia**
Yon Sugiarto, Bogor Agricultural University, Indonesia

Panel Discussion

WorkShop

- 16:40-17:25** **Title: Constructing an effective strategic development planning approach to ensure sustainable agricultural development in the face of climate change and variability (CCV) and other stressors and thereby contribute to the maintenance and further development of Food Security**
Christopher Bryant, University of Montreal, Canada
Albrecht Glatzle, Initiative for the Research and Transfer of Sustainable Agricultural Technology, Paraguay

Poster Presentations 13:25-14:10 @ Foyer

Poster Judge: Agustin J Colussi, Linde Center for Global Environmental Science, USA

Poster Judge: Inga Carlman, Mid Sweden University, Sweden

WCCC1

- Title: Health Vulnerability Assessment of Heatwave and Projections of Future Impacts under Climate Change in South Korea**
Satbyul Kim, Seoul National University, South Korea

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| WCCC2 | Title: Coastal erosion in the Yasawa Islands, Fiji: Human error - Not Sea level rise Pamela Matlack Klein, The Portuguese Sea-Level Project, Virginia, USA |
| WCCC3 | Title: A study on the Minimization of concrete Sludge and CO₂-carbonization using Lime-water Heeyoung Shin, Korea Institute of Geoscience and Mineral Resources, South Korea |
| WCCC4 | Title: Stable carbon isotopes of CH₄ emission from three typical rice fields in China Guangbin Zhang, Chinese Academy of Sciences, China |
| WCCC5 | Title: Glacial-interglacial SST variations and phytoplankton community changes in a core sediment the East Sea (Japan Sea), S-Korea Sangmin Hyun, Korea Institute of Ocean Science and Technology, South Korea |
| WCCC6 | Title: PSMSL and GPS data for European stations: Some conclusions Maria da Assuncao Araujo, University of Porto, Portugal |
| WCCC7 | Title: Associations of temperature variation and mortality in 7 Japanese prefectures Chaochen Ma, University of Tsukuba, Japan |
| WCCC8 | Title: Impacts of rising sea water temperature on underwater acoustic propagation in the upper layer of the East Sea of Korea Sehan Lim, Naval Academy, South Korea |
| WCCC9 | Title: Adaptation measures in the process of land consolidation in the Czech Republic Miroslav Dumbrovsky, Brno University of Technology, Czech Republic |
| WCCC10 | "Title: Investigating climate change effects on climatological droughts events modelled as multivariate phenomenon in Hessen, Germany" Alejandro Chamorro, University of Giessen, Germany |
| WCCC11 | Title: Temperature effects on acetaminophen toxicity using medaka Chisato Kataoka, Toyo University, Japan |
| WCCC12 | "Title: Emission reduction of non-degradable and non-CO₂ greenhouse gas: Efficient destruction of CF₄ in an excess enthalpy combustor" Dae Keun Lee, Korea Institute of Energy Research, South Korea |
| WCCC13 | Title: Nitrogen recovery of temperate desert ecosystem enhanced with precipitation and nitrogen deposition increase Xiaoqing Cui, China Agricultural University, China |
| WCCC14 | Title: Assessment of Geopolitical Influence Based on Climate Change Chufu Mou, University of Chinese Academy of Sciences, China |
| WCCC15 | Title: Climate change prediction based a long short-term memory neural network Inyoung Park, Gwangju Institute of Science and Technology, South Korea |
| WCCC16 | Title: Inter-annual variation of aerosol pollution in East Asia and its relation with strong/weak East Asian winter monsoon Min Xie, Nanjing University, China |
| WCCC17 | Title: Use of «MLCM3» software for flash flood modelling and forecasting in changing climate Daria V. Sokolova, Russian State Hydrometeorological University, Russia |

Panel Discussion

Day 3 October 21, 2017

Olimpica 2

Keynote Forum

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| 09:00-09:25 | Title: Climate Change: The variation of the Ice-Edge in the Barents sea – Related to the Moon, Sun and Planets Jan-Erik Solheim, Department of Physics & Technology, Bærum, Norway |
| 09:25-09:50 | Title: Does livestock husbandry really drive climate change? Albrecht Glatzle, Initiative for the Research and Transfer of Sustainable Agricultural Technology, Paraguay |

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| 09:50-10:15 | Title: The problematic relationship between atmospheric temperature, weather events, sea-level rise, and CO₂, & Eclipse 21 – 8 - 2017 Thomas Wymuller , NASA TRCS Climate Group, USA |
| Networking and Refreshments Break 10:15-10:35 @ Foyer | |
| 10:35-11:00 | Title: CHIC, a fact checking tool in climate change: From ideological conflict back to scientific confrontation Leonello Serva , Independent Geoethics Committee (IGC), Italy |
| 11:00-11:25 | Title: Can computer models give a win-win result for marine cloud brightening? Stephen Salter , University of Edinburgh, Scotland |
| Sessions: Climate Change & Climatology Climate Change Challenges Climate Change Economics | |
| Session Chair: Stephen Salter , University of Edinburgh, Scotland | |
| Session Co-Chair: Jaime Senabre , University of Alicante, Spain | |
| Session Introduction | |
| 11:25-11:45 | Title: The future of subtropical rainfall Jie He , Princeton University, USA |
| 11:45-12:05 | Title: Wildland fires, climate change and society Jaime Senabre , University of Alicante, Spain |
| 12:05-12:25 | Title: Selecting GCM scenarios for climate change impact assessment Babak Farjad , University of Calgary, Canada |
| 12:25-12:45 | Title: LIVE WITH THE FLOW: Issues and Interventions in ecologically responsive design approach for coastal areas in Bangladesh Simita Roy , University of Asia Pacific, Bangladesh |
| 12:45-13:05 | Title: Impacts of four northern-hemisphere teleconnection patterns on atmospheric circulations over Eurasia and the Pacific Tao Gao , Inner Mongolia Meteorological Institute, CMA, China |
| Lunch Break 13:05-13:45 @ Hotel Restaurants | |
| 13:45-14:05 | Title: Potential effect of drought on winter wheat yield using CERES-Wheat model under RCP 8.5 Scenario over the Huang-Huai-Hai Plain Qin Liu , Chinese Academy of Agricultural Sciences, China |
| 14:05-14:25 | Title: A study of strategy for the forestry carbon emission linking on ETS under post 2020 Eunhee Choi , Korea Rural Community and Corporation(KRC), Korea |
| 14:25-14:45 | Title: Solutions for post-territorial sovereignty in maritime states Annie Kim , Carleton University, Canada |
| 14:45-15:05 | Title: Impacts of projected climate changes on soybean production in Karaj Region, Iran Hamidreza Ahmadzadeh Araj , Universiti Putra Malaysia, Malaysia |
| Panel Discussion | |
| Awards & Closing Ceremony | |

Bookmark your dates

5th World Conference on

CLIMATE CHANGE

September 27-29, 2018 | Amsterdam, Netherlands

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