

# TENTATIVE AGENDA

## 2nd World Conference On Climate Change & Sustainability

OCTOBER 16-18, 2023 | ROME, ITALY

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# Tentative Program

Day 1

16-Oct-23

Courtyard by Marriott Rome Central Park

08:00-08:30 Registrations

Room 6

08:30-08:55 **Opening Ceremony**

Keynote Forum

08:55 -09:00 Guest Talk

09:00-09:25 **Title: Climate is the driving force in global phosphorus biogeochemical cycles**

**Zhang Jia-Zhong**, NOAA, USA

09:30-09:55 **Title: Transparency: how reporting and review underpin global climate action and support**

**Tibor Lindovsky**, UNCCC, Slovak Republic

10:00-10:25 **Title: Strengthening climate resilience in the water sector hazards with U.S. EPA's creating resilient water utilities**

**John Wesley Wiggins**, U.S. Environmental Protection Agency, USA

Group Photo & Coffee Break 10:30-10:50 @ Foyer

2 Keynote Presentation slots available

Session: Climate Science & Climatology | Solutions for Climate Change

**Session Introduction**

10:50-11:10 **Title: An 18-year climatology of hot and dry compound events in Europe**

**Elody Tania Fluck**, ESA ESRIN, Italy

11:15-11:35 **Title: Climate change and the occurrence of heavy rainfall and flooding in northern Poland. A case of Gdańsk**

**Jacek Barańczuk**, University of Gdansk, Poland

11:40-12:00 **Title: Model to address climate change through public-private partnerships**

**Abhijit Banerjees**, University of Connecticut, USA

12:05-12:25 **Title: Impact analysis of climate change on rail infrastructure for adaptation planning: A Swedish railway infrastructure use-case**

**Adithya Thaduri**, Luleå University of Technology, Sweden

12:30-12:50 **Title: Net Zero - Heritage for Climate Action**

**Aparna Tandon**, ICCROM, Italy

12:55-13:15 **Title: Extreme weather events and gender: actions by women educators in Brazil**

**Amasa Ferreira Carvalho**, University of Campinas, Brazil

Panel Discussion

Lunch Break 13:20-14:00 @ Restaurant

14:00-14:20 **Title: Assessment of aerosols over five cities of Angola based on MERRA-2 reanalysis data**

**Pascoal Campos**, National Centre for Scientific Research, Angola

Session: Sustainability & Climate Change | Global Warming Effects & Causes

**Session Introduction**

14:25-14:45 **Title: Agroecosystem sustainability Index at the farm level: A targeted approach for sustainable agroecosystem measurement in the American Corn Belt**

**Donia Mühlematter**, Syngenta Crop Protection, Switzerland

14:50-15:10 **Title: Green economy with efficient public incentives**

**Emanuele Vannucci**, University of Pisa, Italy

15:15-15:35 **Title: Effects of Climate Changes On the Fractional Order Thermoelastic Properties of Smart Piezoelectric Materials**

**E. Bassiouny**, Fayoum University, Egypt

15:40-16:00 **Title: A New Scanning Test of Trend changes in Regression coefficient Applied to Actual Warming on Global Land and Sea Surfaces**

**Jianmin Jiang**, China Meteorological Administration Training Centre, China

**Panel Discussion**

**Coffee Break 16:00-16:20 @ Foyer**

**Continued**

16:20-16:40 **Title: The technology-affluence nexus and its effect on GHG emissions in three regions**

**Alessandro De Matteis**, University of East Anglia, UK

16:45-17:05 **Title: Climate change impacts on the distribution of Rhipicephalus sanguineus sensu lato in America**

**Marcos Javier Sánchez Pérez**, UNAM, Mexico

17:10-17:30 **Title: Assessing the Energy Landscape in Cameroon: An Analysis of Alternative Pathways towards a Sustainable Energy System**

**Yvan Ayuketah**, University of Buea, Cameroon

17:35-17:55 **Title: Lignocellulosic biomass as carbon source for Polyhydroxyalkanoate (PHA) generation**

**Nausheen Jaffur**, University of Mauritius, Mauritius

18:00-18:20 **Title: Characterization of CO2 concentrations in residence in Campinas-Brazil**

**Andrea Patricia Lobato Cordero**, UNICAMP, Brazil

**3 Speaker Opportunities Available**

**End of Day**

**Day 2**

**17-Oct-23**

08:30-09:00 **Registrations**

**Room 6**

**Keynote Forum**

09:00-09:25 **Title: Integrating action for cleaner air and climate protection with focus on ultrafine particles (UFP)**

**Andrzej Jagusiewicz**, EFCA, Poland

09:30-09:55 **Title: Sufficiency, the missing lever of climate and energy strategies and policies? Lessons from Europe and France**

**Stephane Bourgeois**, Association négaWatt, France

10:00-10:25 **Title: Will be Updated Soon...**

**Mark Campanale**, Carbon Tracker Initiative, UK

**Coffee Break 10:30-10:50 @ Foyer**

**Session: Evidence of Climate Changes | AI & ML in Climate Change | Oceans & Climate Change**

**Session Introduction**

10:50-11:10 **Title: Long-Term Density Trend in the Mesosphere and Lower Thermosphere from Occultations of the Crab Nebula with X-Ray Astronomy Satellites**

**Satoru Katsuda**, Saitama University, Japan

11:15-11:35 **Title: Virtual Reality for sustainability: Can technology enhance more sustainable lifestyles and processes?**

**Generoso Branca**, University of Sannio, Italy

11:40-12:00 **Title: Local deities and customary laws reduce human-led pressures on mangroves and promote the resilience of their ecosystem services: Insights from the coastal zone of Benin, West-Africa**

**Gnansounou Constant**, University of Namur, Belgium

12:05-12:25 **Title: Potential impact of sea level rise on the geomorphology of Kuwait state coastline**

**Ahmed Hassan**, Matrouh University, Egypt

12:30-12:50 **Title: Envisioning corals: Developing a virtual reality application to communicate coral bleaching**

**Paolo Boffi**, University of Milano-Bicocca, Italy

12:55-13:15 **Title: Trends of above- and below-ground litter decomposition rates and soil organic carbon stocks in forested wetland environment. A case study from Karacabey Floodplain Forest in Bursa, Türkiye**

**Temel Sariyildiz**, Bursa Technical University, Turkey

**Panel Discussion**

**Lunch Break 13:20-14:00 @ Restaurant**

14:00-14:20 **Title: Water quality modeling in atlantic region: Review and model implementation**

**Hanane Rhomad**, Cadi Ayyad University, Morocco

Session:

**Climate Change Law & Policy | Effective Adaptation | Together for Our Planet | Technology: Road to Net-Zero | Alternative Energy**

**Session Introduction**

14:25-14:45 **Title: States' duty to mitigate climate change and its quantification before courts**

**Hana Müllerová**, Czech Academy of Sciences, Czech Republic

14:50-15:10 **Title: Designing a Solution to Scale Grassland Soil Carbon Sequestration**

**Ren Geers**, Ex Nihila, USA

15:15-15:35 **Title: Urban Heat Island (UHI) effects on human health in Birmingham and its mitigation**

**Nigar Parvin**, University of Birmingham, UK

15:40-16:00 **Title: The North-South economic inequality: Capitalism and the effects of climate change**

**George Atisa**, University of Texas Rio Grande Valley, USA

**Panel Discussion**

**Coffee Break 16:00-16:20 @ Foyer**

**Continued**

16:20-16:40 **Title: Photochemistry of light-blown bubbles in photochemically reactive liquid volatile organic compounds**

**Dianwen Zhang**, University of Illinois, USA

16:45-17:05 **Title: Hydro geochemistry, isotopic and mineralogical evidence of new geothermal prospect in Central Mexico: Case of study of Rancho Nuevo, Guanajuato**

**Jorge Federico Arturo Landa Arreguín**, National Autonomous University of Mexico, Mexico

17:10-17:30 **Title: Adaptation of the poultry sector in Sub-Saharan Africa to the problem of carbon emission by that sector: the case of Cameroon. Creation of an electric oven heating day-old chicks named " TS27"**

**Tchomtchoua Tapok Richard**, USFE, Cameroon

17:35-17:55 **Title: Economic growth and environmental quality: analysis of government expenditure and the causal effect**

**Mary Donkor**, Jiangsu University, China

18:00-18:20 **Title: Mortality during heat waves and cold spells in the four Russian arctic and subarctic cities with different climates**

**Dmitry Shaposhnikov**, Economic Forecasting Institute, Russia

**4 Speaker Opportunities Available**

**End of Day**

**Day 3**

**18-Oct-23**

**08:30-09:00 Registrations**

**Room 6**

**Keynote Forum**

**09:00-09:25** **Title: The biotic pump, hydrology and why we need rainforests to cool the planet**  
**Peter Bunyard**, Independent, Cornwall, UK

**09:25-09:50** **Title: A desirable approach to the establishment of climate change policies**  
**Dai-Yeun Jeong**, Asia Climate Change Education Center, South Korea

**09:50-10:15** **Title: The critical role of placed-based community knowledge in planning climate change adaption**  
**Steve Kroll-Smith**, Emeritus, University of North Carolina, USA

**Coffee Break 10:15-10:35 @ Foyer**

**Session:**

**Effective Adaptation | Risks of Climate Change | Oceans & Climate Change | Economics of Climate Change | CO2 Capture and Sequestration**

**Session Introduction**

**Will be updated soon..**

**End of Day**

**NOTE: Program Schedule is subject to change with final allotment of the speaker slots**