PEOPLE EVENTS

CLIMATE WEEK 2023

POST EVENT REPORT

2nd World Conference on
Climate Change & Sustainability

16-18 Oct, 2023

+44 1442 7810 82 https://climateweek.thepeopleevents.com/ climate@thepeopleevents.com

Introduction

The World Conference on Climate Change & Sustainability, held in Rome, Italy, from October 16 to 18, 2023, proved to be a monumental gathering of global minds committed to addressing the pressing issues of our time. With a diverse array of participants, including scientists, policymakers, industry leaders, and environmental advocates, the conference facilitated insightful discussions and exchanges on innovative strategies for mitigating climate change and promoting sustainability. Noteworthy keynote speakers shared cutting-edge research and perspectives, creating an atmosphere of collaboration and shared responsibility. The conference covered a broad spectrum of topics, ranging from renewable energy solutions to biodiversity conservation, reflecting the multidimensional nature of the challenges faced by our planet. Attendees benefited from engaging panel sessions, interactive workshops, and networking opportunities that fostered the development of collaborative initiatives. The event's success in fostering a united front against climate change positions it as a key driver in shaping the global sustainability agenda. As we look forward, the lessons and outcomes of the World Conference on Climate Change & Sustainability will undoubtedly play a pivotal role in informing future policies and initiatives aimed at safeguarding our planet. This post-conference report serves as a testament to the impactful discussions and shared commitment witnessed during this historic event, underscoring the imperative for continued collective action in the face of the climate crisis.

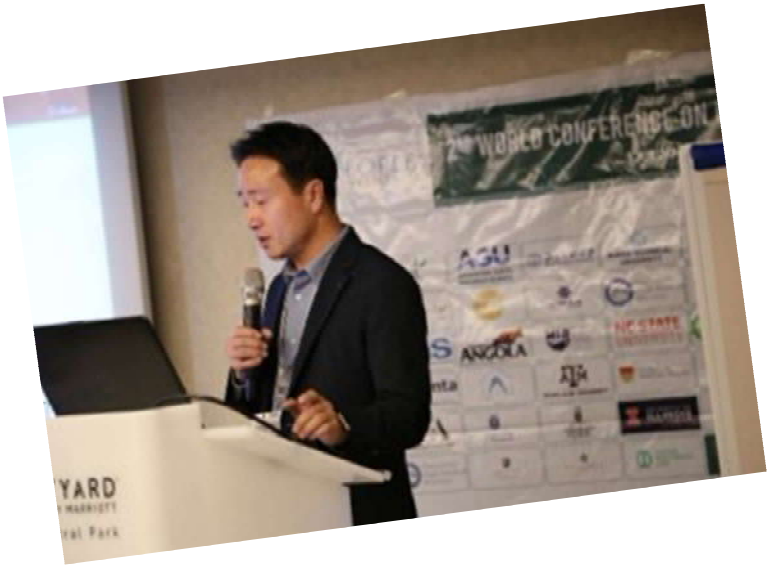
We would to thank you everyone, who joined the event shared their valuable contribution towards the success of this event. The entire team of Climate Week 2023 would like to convey a warm gratitude to all the committee members, moderators, keynote & plenary speakers for attending this event in Rome and giving a wonderful talk which makes allows the delegates and other attendees to gain the knowledge about main course of the event.

Inauguration and Opening

The World Conference on Climate Change & Sustainability commenced with an inaugural address by Dr. Soolyeon Cho from North Carolina State University, USA. Dr. Cho expressed heartfelt gratitude to all participants for their presence and contributions to this global event, offering a warm welcome to the diverse assembly. In his brief introduction, Dr. Cho acknowledged the esteemed committee board members who played a pivotal role in orchestrating the conference.

Keynote Session

The keynote session, a highlight of the event, unfolded with Dr. Cho orchestrating the proceedings according to the scheduled agenda. The distinguished speakers delivered impactful presentations, each contributing valuable insights to the discourse on climate change and sustainability. Zhang Jia-Zhong from NOAA, USA, delved into the intricate dynamics of global phosphorus biogeochemical cycles. Irene Nicotra, representing European Policies Associated Service, Italy, explored innovative methods and strategies for public authorities to tackle climate change. Andrzej Jagusiewicz, from EFCA, Poland, focused on integrating actions for cleaner air and climate protection, with a specific emphasis on ultrafine particles (UFP). John Magnus Roos, hailing from the University of Gothenburg, Sweden, discussed emerging trends in unsustainable consumption in the aftermath of financial crises."



Morning Session:

The morning session continued with a thought-provoking discussion on Climate Science & Climatology and Solutions for Climate Change. Chaired by Irene Nicotra, the session featured presentations by Elody Tania Fluck (ESA ESRIN, Italy), Jacek Barańczuk (University of Gdansk, Poland), Abhijit Banerjees (University of Connecticut, USA), and Gregory Sullivan (Independent, USA). Each presenter shared profound insights, fostering a rich exchange of ideas among participants. Following a stimulating morning, the session concluded just before the lunch break, providing attendees with the opportunity to further engage in networking and collaborative discussions. The event set a promising tone for the subsequent sessions, promising a comprehensive exploration of climate change and sustainability issues on a global scale.

Evening Session:

Following a satisfying day meal, the conference delved into its evening session dedicated to the crucial theme of "Sustainability & Climate Change." The audience was privileged to hear from a distinguished panel of experts, each offering unique perspectives on pressing issues. Donia Mühlematter from Syngenta Crop Protection, Switzerland, began the session by discussing the "Agroecosystem Sustainability Index at the farm level: A targeted approach for sustainable agroecosystem measurement in the American Corn Belt." Eugénia Barroca of Sustainable Ocean Alliance, Portugal, illuminated the audience on "How Sustainable Ocean Alliance (SOA) has cultivated the world's largest network of next-gen leaders to restore the health of the ocean in our lifetime." Scott Kelting, representing California Polytechnic State University, USA, presented a comparative review of "Evaluating carbon footprint calculators for sustainable construction." Marianna Manfrino, from I-DEAGATE, Italy, shared insights on "The Spherical Economy," while Nicolas Brunet, University of Guelph, Canada, explored "Mining, climate change and indigenous peoples in Ontario, Canada: Impact assessments and the role of corporate social responsibility in supporting sustainable development." The diverse talks were expertly guided by the session chair, Andrzej Jagusiewicz from EFCA, Poland, creating an informative and engaging evening session.

The conference culminated with an additional closing session that explored a diverse range of topics, addressing critical issues in environmental studies. The speakers included Jamie Piroe from Tilburg University, The Netherlands, who presented on "Comprehension issues among lower literate people in environmental questionnaires: A multimethod approach." Malcolm Fabiyi, representing OptimaBiome, USA, shared insights on "A climate justice-based model for attribution and allocation of carbon budgets: Implications for climate policy and carbon markets." Paolo Boffi, University of Milano-Bicocca, Italy, engaged the audience with a presentation on "Envisioning corals: Developing a virtual reality application to communicate coral bleaching." Lastly, Basma M'lahfi from the University Sidi Mohamed Ben Abdelah, Morocco, introduced a new perspective with "A new approach for the mandatory application of the thermal regulation of construction (RTCM)." This concluding session provided a multifaceted exploration of crucial environmental issues, showcasing innovative approaches and solutions proposed by experts in the field.

October 17 2023: Day 2

The day commenced with Armando Aragon, the Sustainability Senior Program Manager at the University of Sydney, Australia, moderating the proceedings. Mr. Aragon, a Co-founder of the Climate Society, is a distinguished Climate Change expert, conservationist, and writer. Drawing upon his demonstrable expertise in sustainability and climate change, he has consulted with both government and private businesses in Australia, offering insights into environmental impact, emissions reduction strategies, and technology-driven solutions.

Following Mr. Aragon's introduction, the conference featured keynote talks from notable speakers. Andrea Zaghini from Banca d'Italia, Italy, delved into "How Central Banks, Governments, and Supranational institutions affect the pricing of green bonds." Stephane Bourgeois of Association négaWatt, France, explored "Sufficiency, the missing lever of climate and energy strategies and policies? Lessons from Europe and France." Eeva Kuntsi-Reunanen from the Finnish Meteorological Institute, Finland, provided insights into "Overshooting in Climate Scenarios: Justifications for the use of emerging negative emission technologies." Finally, Bartosz Bartoszewicz from the City of Gdynia, Poland, shared expertise on "Cities, Happiness, and Sustainability."

In the second half of the day, participants explored into diverse topics, including Evidence of Climate Changes, Global Warming Effects & Causes, Oceans & Climate Change, Climate Change Law & Policy, Renewable Energy to Mitigate Climate Change, and Climate Economics. This multifaceted exploration of themes and statistics provided attendees with a comprehensive understanding of the challenges and opportunities in the realm of climate change and sustainability.

As the day drew to a close, the conference hosted an engaging poster session, chaired by Andrzej Jagusiewicz from EFCA, Poland, and moderated by Sisanda Gcasamba, representing the Council for Geoscience in South Africa. The poster session provided a dynamic platform for young researchers to showcase their work and foster discussions within the scientific community. As the session concluded, notable recognition was bestowed upon the outstanding contributions. The Best Poster Award was presented to **Mr. Pascoal M.D. Campos** from the National Centre for Scientific Research in Angola, highlighting his noteworthy research. Additionally, the second position was secured by **Mr Tosin Afeniforo** from Scuola Universitaria Superiore IUSS Pavia, Italy, underscoring the excellence and diversity of research presented during the poster session.

Day 3: October 18 2023

Our third and final day of the meeting commenced with an insightful presentation by Simone Quatrini from the European Commission – AEDIS.Earth GmbH, Italy, who discussed "Climate finance: Trust is good, control is better." This session set the tone for the day, emphasizing the importance of accountability in climate finance initiatives. Throughout the day, we delved into compelling topics, including "Urban Geo-climate Footprint: a new approach to classifying and clustering cities and increase citizens' awareness on urban geological and climate issues" presented by Francesco La Vigna from the Geological Survey of Italy (ISPRA), Italy. The day continued with a thought-provoking discussion on "CO_2 from a problem to an opportunity" by Maurizio Acciarri from UNIMIB, Italy, offering innovative perspectives on transforming carbon dioxide challenges into opportunities for sustainable solutions.

The morning session of the conference was dedicated to the theme "Recognizing the Emergency, Accelerating Action, Technology: Road to Net-Zero." This engaging session featured diverse presentations from esteemed institutions worldwide. Speakers included representatives from the University of Cádiz, Spain; Vilnius College of Technologies and Design, Lithuania; University College Cork, Ireland; University of Mississippi, USA; Global Asia Insurance Partnership, Singapore; and Malardalen University, Sweden. The session provided a comprehensive overview of strategies, actions, and technological advancements aimed at addressing the urgent challenges associated with climate change and progressing toward a net-zero future. The collective expertise and insights shared by the presenters contributed to a rich and informative discussion, setting a promising tone for the remainder of the conference.

The concluding session on day 3 centered around the theme of CO_2 Capture and Sequestration, expertly chaired by Maurizio Acciarri from UNIMIB, Italy. This session featured insightful presentations covering a spectrum of crucial topics. The agenda included discussions on "An international market for carbon removals," shedding light on global efforts to establish a market for carbon removal initiatives. The session continued with an exploration of "Capture, use, release, and press repeat: The opportunity, technical challenges, and long-term impact of scaling direct air capture," providing valuable insights into the challenges and potential of direct air capture technology. Additionally, the presentation on "Mineral carbonation using construction and demolition waste to reduce carbon dioxide emissions with a focus on South Africa-A literature review" offered a comprehensive overview of sustainable carbon reduction methods. The session concluded with a presentation on "A Time-fractional model of pressure buildup due to CO_2 storage in saline aquifer: A risk assessment study of Geo-sequestration and groundwater resources protection in the age of climate change mitigation," addressing the complexities and risk assessment associated with CO_2 storage. Overall, the closing session provided a thorough exploration of critical aspects related to CO_2 capture and sequestration, contributing to the conference's comprehensive coverage of climate change mitigation strategies.

ACKNOWLEDGEMENTS

We extend our heartfelt gratitude to all participants, speakers, sponsors, and contributors who made the World Conference on Climate Change & Sustainability, held in Rome, Italy from October 16-18, 2023, a resounding success. Your dedication to addressing the pressing issues of climate change and sustainability created an atmosphere of collaboration and shared commitment. Special thanks to Dr. Soolyeon Cho for inaugurating the conference and setting the tone for insightful discussions. The keynote speakers - Zhang Jia-Zhong, Irene Nicotra, Andrzej Jagusiewicz, and John Magnus Roos - enriched the conference with their expertise, shaping the discourse on critical topics.

We appreciate the contributions of all presenters, moderators, and session chairs who shared their knowledge and engaged in fruitful discussions. The poster session provided a dynamic platform for researchers, and the Best Poster Awards recognize the outstanding efforts of Pascoal M.D. Campos and Tosin Afeniforo. A sincere thank you to our sponsors for their generous support, enabling the conference's success. The dedication of the organizing committee, volunteers, and the conference secretariat is commendable.

Lastly, we express gratitude to the city of Rome for hosting us and providing a vibrant backdrop for this significant event. As we compile this post-meeting report, we acknowledge each individual and entity that contributed to the World Conference on Climate Change & Sustainability, making it a valuable and impactful experience.

3rd World Conference on Climate Change & Sustainability

21-23 October 2024

Location

Barcelona, Spain

Contact Info

+44 1442 7810 82

https://climateweek.thepeopleevents.com/

climate@thepeopleevents.com

"Even the moon was embarrassed by the beauty of Barcelona."

Andrew Barger