

4th Global Congress on CLIMATE CHANGE (GCCC-2024) September 09-10, 2024, Lisbon, Portugal	
Tentative Program	
Day 1- September 09, 2024	
Meeting Hall - Auditorio	
08:30-09:00	Welcome & Registrations
09:00-09:15	Opening Remarks
KEYNOTE FORUM	
09:15-09:45	Options for Reducing Greenhouse Gas Emissions from Agriculture and Food Systems <i>Rob Vos, International Food Policy Research Institute, USA</i>
09:45-10:15	Community-Academic Partnerships to support climate Adaptation to Recent and Future Hydroclimatic Shifts over Central America <i>Iris Stewart-Frey, Santa Clara University, USA</i>
10:15-10:45	Climate change and the Anthropocene <i>Carlo Jaeger, Global Climate Forum / Potsdam University, Germany</i>
10:45-11:05	Group Photo & Refreshment Break
Technical session- I	
Session Theme: Sustainability and Climate Change Pollution and Climate Change	
Session Chairs: Ulises Javier Jauregui Haza, INTEC, Dominican Public & M. Reza Najafi, Western University, Canada	
11:05-11:25	Motivators and barriers to adoption of Improved Land Management Practices for water quality improvement in Great Barrier Reef catchments <i>Rachel Hay, James Cook University, Australia</i>
11:25-11:45	Aviation non-CO2 emissions reduction scenarios and climate impact mitigation <i>Md Anwar Hossain Khan, University of Bristol, UK</i>
11:45-12:05	Off-Site Construction as a means for building deep renovation and urban regeneration: ENEA case studies <i>Maria-Anna Segreto & Andrea Cignarella, ENEA: Italian National Agency for New Technologies, Energy and Sustainable Economic Development, Italy</i>
12:05-12:25	Development of EGAO technology and its application to the mitigation of climate change impacts <i>Motoaki Seki, RIKEN Center for Sustainable Resource Science, Japan</i>
12:25-12:45	Under what conditions SMEs could mitigate climate change impact <i>Ashrafal Alam, University of Salford, UK</i>
12:45-13:35	Lunch Break

Technical session- II	
Session Theme: Natural Hazards and Disaster Management Sea-Level Rise, Oceans and Climate Change Ecology and Ecosystems	
Session Chairs: Michael Blum, University of Kansas, USA & Carlo Jaeger, Global Climate Forum / Potsdam University, Germany	
13:35-13:55	Disappearing deltas: role of subsidence, global sea-level rise, and coupled atmospheric and oceanographic processes in Mississippi Delta land loss
	<i>Michael Blum, University of Kansas, USA</i>
13:55-14:15	Dynamic Assessment of Compound Flood Risks: Insights from Historical Trends and Future Projections
	<i>M. Reza Najafi, Western University, Canada</i>
14:15-14:35	Phenology reveals climate change effects on plant behavior as indicator for the Swedish environmental objective Reduced Climate Impact
	<i>Ola Langvall, Swedish University of Agricultural Sciences, Sweden</i>
14:35-14:55	Characterization of sargassum accumulated on Dominican beaches in 2021: analysis of heavy, alkaline and alkaline-earth metals, proteins and fats
	<i>Ulises Javier Jauregui Haza, INTEC, Dominican Public</i>
14:55-15:15	Driving Climate Solutions with Data: Building Energy Codes and B-READY Environmental Insights
	<i>Jayashree Srinivasan, The World Bank Group, USA</i>
15:15-15:35	The Significance of the Oceans and Coastal Information Management System for South Africa's Ocean Governance and Conservation
	<i>Marjolaine Krug, Department of Forestry, Fisheries and the Environment, South Africa</i>
15:35-15:50	Refreshment Break
15:50-16:10	Predicting severe weather in mainland Portugal based on deterministic and ensemble forecasts
	<i>Margarida Belo-Pereira, Portuguese Institute for Sea and Atmosphere, Portugal</i>
16:10-16:30	Land and sea transport options for the installation of green artificial reefs (GARs) in shallow waters: A Galician case study
	<i>Alicia Munín Doce, University of A Coruña, Spain</i>
16:30-16:50	Coral habitat migration for the climate change adaptation along the Kuroshio Current, the subtropical western boundary current in the North Pacific Ocean
	<i>Motohiko Kashima, Kobe Gakuin University, Japan</i>
16:50-17:10	Magnitude and hotspots of soil erosion types during rainstorm events on the Loess Plateau: Implication for watershed management
	<i>Juying Jiao, Northwest A&F University, China</i>

17:10-17:30	Resilience assessment and obstacle factor analysis of urban areas facing waterlogging disasters: a case study of Shanghai, China
	<i>Xiansheng Chen, Shanghai University of Finance and Economics, China</i>
Pannel Discussions	
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We are still accepting the abstracts. To book your slot, contact Dr. John Karen: climatechange@innovinc.org	

In-person (Day-2)	
4th Global Congress on CLIMATE CHANGE (GCCC-2024) September 09-10, 2024, Lisbon, Portugal	
Tentative Program	
Day 2- September 10, 2024	
Meeting Hall - Auditorio	
KEYNOTE FORUM	
09:15-09:45	Climate Data to Inform the Design of Climate Resilient, Low Carbon Buildings, and Building Designs adapted using Nature Based Solutions in Canada
	<i>Abhishek Gaur, National Research Council Canada, Canada</i>
09:45-10:15	PV panels laminated by soft polysiloxane gel – New simple eco friendly recycling method
	<i>Vladislav Poulek, Czech University of Life Sciences, Czech Republic</i>
10:15-10:45	Gender dynamics in agrifood value chains: advances in research and practice over the last decade
	<i>Rhiannon Pyburn, KIT Royal Tropical Institute, The Netherlands</i>
10:45-11:00	Refreshment Break
Technical session- III	
Note: There is a paralell session from 11:00-15:30 in Meeting hall-Estrela	
Session Theme: Climate Change Adaptation Emissions and Control	
Session Chairs: Abhishek Gaur, National Research Council Canada, Canada & Stein T. Holden, Norwegian University of Life Sciences, Norway	
11:00-11:20	Can climate shocks make vulnerable subjects more willing to take risks?
	<i>Stein T. Holden, Norwegian University of Life Sciences, Norway</i>
11:20-11:40	Analysis of long-term changes in wetlands (1842 - 2017) - a starting point for their restoration as part of adaptation to climate change?
	<i>Jan Skaloš, Czech University of Life Science, Czech republic</i>
11:40-12:00	A Systematic Study of LED Degradation Patterns for Better Environmental Outcomes
	<i>Dariusz Kacprzak, The University of Auckland, New zealand</i>

12:00-12:20	Transatlantic Cooperation in Reducing Methane Emissions from Oil and Gas: Monitoring, Measurement, Reporting, and Verification Challenges <i>Tetiana Semeniutina, University of Calgary, Canada</i>
12:20-12:40	Digital Banking's Role in Reducing Carbon Emissions: Impact on Climate Change in G7 Countries <i>Nur Badriyah Mokhtar, BPP University, UK</i>
12:40-13:00	From Vision to Action: Community-Centered Approaches to Climate Resilience and Smart Technology <i>Dan Zhu, City of Gainesville, USA</i>
13:00-13:40	Lunch Break
Technical session- IV	
13:40-14:10	Poster Viewing
Session Theme: Global Climate Strategies and Policies Biodiversity and Biological Conservation Green Technology and Green Production Climate and Energy Policy	
Session Chairs: Thomas Kinnaman, Bucknell University, USA & Robert D. Chandler, Public Works Department in Salem, Oregon, USA	
14:10-14:30	The Empirical Effects of a Carbon Price <i>Thomas Kinnaman, Bucknell University, USA</i>
14:30-14:50	Local Government and Climate Action: Promises and Perils <i>Robert D. Chandler, Public Works Department, City of Salem, Oregon</i>
14:50-15:10	Long-Term Spatiotemporal Dynamics of Freshwater Temperature: A Nationwide Study in Japan (1982-2016) <i>Satoshi KAMEYAMA, National Institute for Environmental Studies, JAPAN</i>
15:10-15:30	Enhancing Genetic Diversity and Adaptation in Man-Made Forests: The Role of Hybridization in Climate Change Resilience <i>Rakefet David-Schwartz, Institute of Plant Sciences, Israel</i>
15:30-15:50	Review of the Global Evolution of Regulations on Single-use Plastics and Lessons Drawn for Canada <i>Leila Ahmadi, National Research Council Canada, Canada</i>
15:50-16:05	Refreshment Break
16:05-16:25	Novel Technology Utilization for Hybrid Green Energy Towards Zero Emission Achievements <i>Musse Mohamud Ahmed, UNIMAS, Malaysia</i>
16:25-16:45	Biomass Corrosiveness in Fluidized Bed Combustion Plants <i>M Luisa Contreras Rodríguez, CIEMAT, Spain</i>
16:45-17:05	Monitoring yeast cultures grown on corn stover hydrolysate for lipid production <i>Afonso Palos Fontes, LNEG, Portugal</i>

17:05-17:25	Estimation of the impact of methane emissions on climate change. How does the DICE model respond after including it? <i>Sofia Aleshina, University of Malaga, Spain</i>
Pannel Discussions	
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Parallel Session	
Day 2- September 10, 2024	
Meeting Hall - Estrela	
Agricultural Sustainability and Climate Change & Atmospheric Changes	
Session Chairs: Tercio Ambrizzi, University of Sao Paulo, Brazil & Tyagaraja Sooprayen Modelly Cunden, Universite des Mascareignes, Mauritius	
11:00-11:20	Effects of framing, nomenclature, and aversion to tampering with nature on consumer acceptance of cultivated meat in Singapore <i>Mark Chong, Singapore Management University, Singapore</i>
11:20-11:40	Influence of climate change on far-future phosphorus mobilisation and delivery in agricultural catchments <i>Per-Erik Mellander, Teagasc, Ireland</i>
11:40-12:00	Spatial modelling and policy evaluation of offshore wind potential: The case of Mauritius <i>Tyagaraja Sooprayen Modelly Cunden, Universite des Mascareignes, Mauritius</i>
12:00-12:20	Genomic approaches to mitigate climatic stress in beef cattle: balancing heat tolerance and productivity <i>Raluca Mateescu, University of Florida, USA</i>
12:20-12:40	Innovative Carbon Capture and Utilization: Transforming CO2 into Sustainable Industrial Solutions with Antimicrobial and Insulating Properties <i>Ubirajara Pereira Rodrigues-Filho, Insituto de Quimica de Sao Carlos- Universidade de Sao Paulo, Brazil</i>
12:40-13:00	The Effect of Geomagnetic Storms on Aircraft Accidents Between the Years 1919-2023 in Civil Aviation <i>Ůmit Deniz GÖKER, Astronomical Institute of Czech Academy of Sciences, Czech Republic</i>
13:00-13:40	Lunch Break
13:40-14:10	Poster Viewing Session
14:10-14:30	Mesoscale Convective Systems over the Amazon Basin and Climate Change <i>Tercio Ambrizzi, University of Sao Paulo, Brazil</i>

14:30-14:50	Spatiotemporal distribution of agrometeorological disasters in China and its impact on grain yield under climate change <i>Fenli Zheng, Northwest A&F University, China</i>
14:50-15:10	Negative impact of heat stress on bovine reproduction: how this impairs production and efficiency <i>Luís Rafael Guerreiro Capela, Universidade de Lisboa, Portugal</i>
15:10-15:30	Forecasting carbon prices in China's pilot carbon market: A multi-source information approach with conditional generative adversarial networks <i>Zhigang Huang & Weilan Zhang, Fuzhou University, China</i>

Poster Presentations (Day-2)

4th Global Congress on CLIMATE CHANGE (GCCC-2024)
September 09-10, 2024, Lisbon, Portugal

Poster Presentations(13:40-14:10)

Day 2- September 10, 2024

P-1	Is overheating in dwellings a cause of concern in the health of vulnerable adults. <i>Martin Donald S Adlington, University of Derby, UK</i>
P-2	The responses of cladoceran communities to the single and simultaneous effects of environmentally relevant increases in temperature and phosphorus concentration in freshwater ecosystems <i>Malgorzata Adamczuk, University of Life Sciences in Lublin, Poland</i>
P-3	Developing a country's sustainability indicator: an analysis of the effect on trade openness <i>Karen Gloria Vargas Santander, Universidad Católica del Norte, Chile</i>
P-4	Linking low-carbon practices with ESG performances: Exploration evidence from the configurational perspective <i>Huang Ruogu, Fuzhou University, China</i>
P-5	Using the interaction between cations and biomass to improve regenerative agriculture in the tropics <i>Vanessa Silva Melo, State University of Maranhão, Brazil</i>
P-6	Ecosystem services improve eco-physiological indices and soil organic carbon accumulation <i>Maria Karoline De Carvalho Rodrigues De Sousa, State University of Maranhão, Brazil</i>
P-7	Integrated crop-livestock-forestry system: alternatives and advances in Northeast Brazil <i>Valéria Xavier De Oliveira Apolinário, State University of Maranhão, Brazil</i>

P-8	Perception of risk of climate change in rice cultivation in the Dominican Republic
	<i>Ulises Javier Jauregui Haza, INTEC, Dominican Public</i>

Virtual Program(Day-1)	
4th Global Congress on CLIMATE CHANGE (GCCC-2024)	
Virtual PROGRAM	
Day 1- September 09, 2024	
12:40-13:00	Study of heterogenous catalytic selective hydrogenation of vegetable oil with different reaction schemes <i>Andrea Di Giuliano, Università degli Studi dell'Aquila, Italy</i>
13:00-13:20	Regeneration patterns in canopy gaps in the Bialowieza Forest <i>Dobrowolska Dorota, Forest Resarch Institute, Poland</i>
13:20-13:40	<i>Speaker Slot Available</i>
13:40-14:00	Immunosuppression of aquatic organisms exposed to elevated levels of manganese: From global to molecular perspective <i>Bodil Hernroth, Kristianstad University, Sweden</i>
14:00-14:20	Keynote: Risk and opportunity assessment and management – climate change and inland and marine aquaculture and fisheries <i>Michael Elliott, International Estuarine & Coastal Specialists Ltd/University of Hull, UK</i>
14:20-14:40	Sustainable and Resilient Management of Chernozem Soils in the Republic of Moldova <i>Boris Boincean, Selectia Research Institute of Field Crops, Republic of Moldova</i>
14:40-15:00	Understanding an invasive soil-dwelling insect as part of a climate change feedback loop <i>Douglas Richmond, Purdue University, USA</i>
15:00-15:20	Mapping the distribution, threats, and protection coverage of a Chilean endemic amphibian considered a living fossil <i>Juan Enrique Contardo Laclote, Universidad de Chile, Chile</i>

15:20-15:40	Metabolic Engineering for Hyper-accumulation of Lipids in Energycane <i>Fredy Altpeter, University of Florida, USA</i>
15:40-16:00	A review of energy and waste production during surgical care in the operating room and practical guideline for greening the delivery of surgical care <i>Ursula Galway, Cleveland Clinic, USA</i>
16:00-16:20	Building resilience: a transdisciplinary approach for climate change adaptation in artisanal fishing in Rio Lagartos-Yucatan, Mexico <i>Laura Patricia Avila Callejas, National Autonomous University of Mexico, Mexico</i>
16:20-16:40	Aliança Program: Advancing Energy Efficiency and Environmental Sustainability in Brazilian Industries <i>Paulo Augusto Pezzan Miotto, Legasys Engineering, Brazil</i>
Pannel Discussions	
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Virtual Program(Day-2)	
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Virtual PROGRAM	
Day 2- September 10, 2024	
08:20-08:40	Composting with crop straws in cold region based on climate change and black soil conservation <i>Jie Liu, Heilongjiang Academy of Agricultural Sciences, People's Republic of China</i>
08:40-09:00	Re-Imagining Wild Rivers in Aotearoa New Zealand – implications for climate adaptation and mitigation <i>Dan Hikuroa, Waipapa Taumata Rau - University of Auckland, New zealand</i>
09:00-09:20	Reducing the vulnerability of tourists to tsunami: challenges for decision-makers <i>Azin Fathianpour, Massey University, New zealand</i>
09:20-09:40	Biophysical feedbacks of climate change effects on soil hydraulic functions and soil water repellency <i>Vilim Filipovic, University of Queensland, Australia</i>

09:40-10:00	Stability Analysis of Multi-Layer Highwall Mining: A Sustainable Approach for Thick-Seam Open-Pit Mines <i>Ya Tian, China University of Mining and Technology, China</i>
10:00-10:20	Slope Stability Prediction Method based on Intelligent Optimization and Machine Learning Algorithms <i>Yukun Yang, China University of Mining and Technology, China</i>
10:20-10:40	Resilient Healthcare and Sustainable Community <i>Hiroto Ito, Tohoku Medical and Pharmaceutical University, Japan</i>
10:40-11:00	Deep Learning for ENSO Forecasts <i>Cuicui Zhang, Tianjin University, China</i>
11:00-11:20	Multidecadal Variability in Mediterranean Sea Surface Temperature and Its Sources <i>Xiaoqin Yan, Hohai University, China</i>
11:20-11:40	Climate-induced change in understory and over story competition in a forest?: advanced timing of forest fine root production with reduced snow cover in northern Japan <i>Karibu Fukuzawa, Hokkaido University, Japan</i>
11:40-12:00	Rise of ocean temperatures and their impact on geopolitical security -- A Japanese perspective <i>Keishi Ono, National Institute for Defense Studies, Japan</i>
12:00-12:20	Temporal-spatial characteristics of seismo-ionospheric influence observed by the CSES satellite <i>Mei Li, Institute of Earthquake Forecasting, China Earthquake Administration, China</i>
12:20-12:40	Impact of Extreme Weather and Climate Events on Farmers: A review <i>Madhuri, Symbiosis Law School Noida, Symbiosis International Deemed University, India</i>
12:40-13:00	Assessing community vulnerability to extreme events in the presence of contaminated sites and waste management facilities: An indicator approach <i>Paramita Sinha, RTI International, India</i>

13:00-13:20	<p>Green & Sustainable Logistics – An empirical hypothesis to achieve Net Zero Emissions complying to BRSR in compliance with COP – 29 in Indian context</p> <p><i>Paniendra Dutt Kolluru, GITAM University, India</i></p>
13:20-13:40	<p>Variation in estimates of heat-related mortality reduction due to tree cover in U.S. cities</p> <p><i>Paramita Sinha, RTI International, India</i></p>
13:40-14:00	<p>Impact of sea level rise on land use/land cover – A case study in the Kingdom of Bahrain</p> <p><i>Aysha Aljawder, National Space Science Agency, Kingdom of Bahrain</i></p>
14:00-14:20	<p>Nine-years effect of harvesting and mechanical site preparation on bryophyte decomposition and carbon stocks in a boreal forested peatland</p> <p><i>Ange-Marie Botroh, Abitibi-Temiscamingue University of Quebec, Canada</i></p>
14:20-14:40	<p>Climate change-related health hazards in daycare centers in Munich, Germany: risk perception and adaptation measures</p> <p><i>Hannah Lehmann, University Hospital Munich; Ludwig-Maximilians-University Munich, Germany</i></p>
14:40-15:00	<p>Emerging climate-sensitive infections of the North</p> <p><i>Tomas Thierfelder, Swedish University of Agricultural Sciences SLU, Sweden</i></p>
15:00-15:20	<p>Impact of cyclone-cyclone interaction on a false-alarmed lake-effect snowstorm</p> <p><i>Zuohao Cao, Environment and Climate Change Canada (ECCC), Canada</i></p>
15:20-15:40	<p>Developing Aerosol Constraints for Climate & Air Quality Modeling Applications from Multi-angle, Multi-spectral Satellite Remote Sensing</p> <p><i>Ralph A. Kahn, The Laboratory for Atmospheric & Space Physics, University of Colorado, USA</i></p>
15:40-16:00	<p>Tail Dependence as a Measure of Teleconnected Warm and Cold Extremes of North American Wintertime Temperatures</p> <p><i>Mitchell Krock, Argonne National Laboratory, USA</i></p>

16:00-16:20	Landslides Susceptibility assessment using Multivariate Logistic Regression Model in the Xopanac Watershed, Eastern flank of Iztaccihuatl volcano, Mexico.
	<i>Gabriel Legorreta Paulin, Instituto de Geografía, Universidad Nacional Autónoma de Mexico, Mexico</i>
16:20-16:40	Save the microbes to save the planet
	<i>Rino Rappuoli, Fondazione Biotechnopolo di Siena, Italy</i>
16:40-17:00	Emerging pollutants in rivers and climate change, a complex relationship not yet completely understood.
	<i>Amado Enrique Navarro Frometa, Technological University of Izucar de Matamoros, Mexico</i>
Pannel Discussions	
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