

1
Day

Thursday

September 13, 2018

Hall Name - GOLDEN TITUS - A

08:00-09:00 _____ Registrations

09:00-09:10 _____ Opening Ceremony

Moderator: Ekaterina Shorohova, Forest Research Institute of the Karelian Research Centre, Russian Academy of Science, Russia

KEYNOTE FORUM

09:10-09:45 _____ **Title: Is time running out to cope with climate change - A nordic perspective**

V Benno Meyer-Rochow, University of Oulu, Finland and Research Institute of Luminous Organisms, Hachijojima, Japan

09:45-10:15 _____ **Title: Climate controls on long-term trends, inter-annual variability, and extreme anomalies in satellite-derived global land surface phenology from 1982 to 2016**

Xiaoyang Zhang, South Dakota State University, USA

PLENARY TALK

10:15-10:55 _____ **Title: How the world changes when climate interacts with human behavior**

Lei Wang, Peking University, China

GROUP PHOTO

Coffee Break 10:55-11:10 @ Foyer

1
Day

Thursday

September 13, 2018

Sessions:

Adaptation & Mitigation of Climate Change

Session Chairs

V Benno Meyer-Rochow, University of Oulu, Finland and Research Institute of Luminous Organisms, Hachiojima, Japan

Xin-Zhong Liang, University of Maryland, USA

- 11:10-11:30 ————— **Title: Climate Change Impacts on U.S. Agricultural Productivity**
Xin-Zhong Liang, University of Maryland, USA
- 11:30-11:50 ————— **Title: Identifying Forest genetic material tolerance to climate change through analysis of performance using REINFFORCE arboreta network climate gradient**
António Correia, Forest Research Center, Agronomy Institute, University of Lisbon, Portugal
- 11:50-12:10 ————— **Title: Extreme weather events, Population Vulnerability, and Impaired Health: Need for Community Specific Adaptation Strategies**
Amir Sapkota, University of Maryland - College Park, USA
- 12:10-12:30 ————— **Title: Accounting for air quality in climate change mitigation**
Shiliang Wu, Michigan Technological University, USA
- 12:30 -12:50 ————— **Title: Finnish ninth graders' views on climate change**
Mikaela Hermans, Abo Akademi University, Finland
- 12:50-13:10 ————— **Title: Integrating climate mitigation and adaptation into coastal urban land use planning in time**
Lilai Xu, Chinese Academy of Sciences, China
- 13:10-13:30 ————— **Title: Could Cohesion Policy push EU climate efforts?**
Michal Nekvasil, People in Need, Czech Republic

Lunch Break 13:30-14:15 @ MARCO POLO

1
Day

Thursday

September 13, 2018

Sessions:

Adaptation & Mitigation of Climate Change | Sustainability

Session Chairs

Mahbubur Meenar, Rowan University, USA

Moti Herskowitz, Ben-Gurion University of the Negev, Israel

14:15-14:35 ————— **Title: Planning and designing green storm water infrastructure to address climate change: Lessons learned from Philadelphia, USA**

Mahbubur Meenar, Rowan University, USA

14:35-14:55 ————— **Title: Impact of coastline changes on the groundwater level of coastal wetland**

Qiang Liu, Beijing Normal University, China

14:55-15:15 ————— **Title: Research on impacts and response of global change with specific landscape geographic units - A study in the Loess Plateau**

Mingjian Wei, Capital Normal University, China

15:15-15:35 ————— **Title: Enhancing Intersectoral action for promoting resilience to climate change and disaster risk reduction: An Indian perspective**

Sekar Kasi, National Institute of Mental Health and Neurosciences, India

15:35-15:55 ————— **Title: Game-changing, Eco-friendly and Sustainable Production of Renewable Liquid Fuels and Chemicals from CO₂ and Water**

Moti Herskowitz, Ben-Gurion University of the Negev, Israel

15:55-16:15 ————— **Title: Community micro hydropower generation: A sustainable model for climate change mitigation and adaptation**

Alberto Sanchez & Michela Izzo, GEF-SGP/UNDP & Guakía Ambiente, Dominican Republic

16:15-16:35 ————— **Title: The global activity of category 5 tropical cyclones**

Karl Hoarau, Cergy-Pontoise University, France

1
Day

Thursday

September 13, 2018

Coffee Break 16:35 -16:45 @ Foyer

- 16:45-17:05 ————— **Title: Controls and variability of greenhouse gas production and emissions from thawing permafrost**
Bo Elberling, University of Copenhagen, Denmark
- 17:05-17:25 ————— **Title: Grounding resilience and sustainability through building codes**
America Bendito, University of Los Andes, Venezuela
- 17:25-17:45 ————— **Title: Sustainability of climate change incentive market based mechanisms (IMBMs) in the livelihoods of rural communities**
Elinorata Mbuya, Ardhi University, Tanzania
- 17:45-18:05 ————— **Title: Development of composite briquettes from Agricultural wastes**
Michael Lubwama, Africa Center of Excellence in Materials, Product Development and Nanotechnology, Makerere University, Uganda
- 18:05-18:25 ————— **Title: Mechanisms and Applications of Green Infrastructure Practices for Storm Water Control and Pollutant Removal: A Review**
Chunhui Li, Beijing Normal University, China
- 18:25-18:45 ————— **Title: Climate Change, Food Insecurity and Emergency Response Revisited**
Prahlad Kasturi, Radford University, USA
- 18:45-19:15 ————— **Title: Characteristic profile of forest fire risk from social perception: A study with Spanish population (Video Presentation)**
Jaime Senabre, Director of SINIF, University of Alicante, Spain

Panel Discussions

2 Day

Friday

September 14, 2018

Moderator: Aiyin Jiang, University of North Florida, USA

KEYNOTE FORUM

09:00-10:00 ————— Title: "*Dealing with Disasters*": Using film to show how the health, climate change and disaster sectors can collaborate for effective disaster response

Cordia Chu, Griffith University, Australia

10:00-10:30 ————— Title: **Deep Integration of Surface Water and Groundwater for Water Security Under Climate Change**

Graham E. Fogg, University of California, Davis, USA

Coffee Break 10:30-10:45 @ Foyer

Sessions:

Risks of Climate Change | Sustainability

Session Chairs

Cordia Chu, Griffith University, Australia

Xiaoyang Zhang, South Dakota State University, USA

10:45-11:05 ————— Title: **The role of uncertainty in our climate understandings**

Peter Domonkos, ESPERE Association, Spain

11:05-11:25 ————— Title: **Urban geochemistry – The importance and vulnerability of topsoil layer in urban areas: Case study in the city of Sisak, Croatia**

Ajka Šorša, Croatian Geological Survey, Croatia

11:25-11:45 ————— Title: **Influence of climate change and socio-economic development on catastrophe insurance: A case study of flood risk scenarios in the Netherlands**

Youbaraj Paudel, NN Group and VU University Amsterdam, Netherlands

11:45-12:05 ————— Title: **Greenhouse Gas Emission Impacts by Waste Management Practices over Last 3 Decades; Korean Case**

Yong-Chil Seo, Yonsei University, South Korea

2 Day

Friday

September 14, 2018

- 12:05-12:25 ————— **Title: A Role for Hydro-Economic Models to Inform Measures to Limit Economic Costs of Climate Adaptation**
Frank A. Ward, NM State University, USA
- 12:25-12:45 ————— **Title: A lifeline and a reason to be: The future of sustainable architecture in Spain and its European context**
Ir Sander Laudy, Universidad Autonoma de Barcelona, Spain
- 12:45-13:05 ————— **Title: Glass foams as ecological materials**
Negrea Petru, Politehnica University Timisoara, Romania
- 13:05-13:25 ————— **Title: Effects of Global Climate Change on Building Energy Consumption and Its Implications in Florida**
Aiyin Jiang, University of North Florida, USA

Lunch Break 13:25 -14:05 @ MARCO POLO

Sessions:

**Global Warming Effects & Causes | Risks of Climate Change
Climate Change & Agriculture**

Session Chairs

Graham E. Fogg, University of California, Davis, USA

Yong-Chil Seo, Yonsei University, South Korea

- 14:05-14:25 ————— **Title: From Ediacaran to Devonian The Great Early-Middle Palaeozoic Biodiversification with palaeoclimatic considerations**
Alain Blicck, Palaeontologist, Former CNRS emeritus senior scientist, France
- 14:25-14:55 ————— **Title: Utilization of CO₂ and Its Potential to Produce Ultra-clean Fuels and Chemicals**
Nimir O. Elbashir, Texas A&M University, Qatar and USA

2 Day

Friday

September 14, 2018

- 14:55-15:15 ————— **Title: Ambient endotoxin and PM₁₀ concentrations on air vents of subway stations**
Sung Ho Hwang, National Cancer Center, South Korea
- 15:15-15:35 ————— **Title: The Pace of Climate Change in Eastern China and Its Marine Ecological Effects**
Rongshuo Cai, Third Institute of Oceanography, State Oceanic Administration of China, China
- 15:35-15:55 ————— **Title: On the way to the predictability of El Niño-La Niña phenomenon**
Hernán Astudillo, University of Concepción, Chile
- 15:55-16:15 ————— **Title: Livelihood diversification and climate shocks: Evidence from small-holders in Zambia and Tanzania**
Aslihan Arslan, Senior Research Economist, Research and Impact Assessment Division, IFAD(International Fund for Agricultural Development), Italy
- Coffee Break 16:15 -16:30 @ Foyer**
- 16:30-16:50 ————— **Title: Analysis for risk likelihood to dams and bridges construction on Rift Valley fever ecosystem in River Nile, Sudan: A case study**
Mohammed Mansour, University of khartoum, Sudan
- 16:50-17:10 ————— **Title: Carbon dioxide bio-fixation by *Chlorella* sp. BTA 9031 towards biomass and lipid production: Optimization using Central Composite Design approach**
Onkar Nath Tiwari, Indian Agricultural Research Institute, India
- 17:10-17:30 ————— **Title: Mediating and Moderating Effects in the Process of Drought Impacting Rural Livelihood Vulnerability in China**
Professor Jianjun Huai, Northwest Agriculture and Forestry (A&F) University, China

2 Day

Friday

September 14, 2018

- 17:30-17:50** ————— **Title: A time-stepping scheme to simulate leaf area index and gross primary production via climate variables**
Qinchuan Xin, Sun Yat-Sun University, China
- 17:50-18:10** ————— **Title: Climate Change and Drought: Potential Health Impact of Wastewater Reuse as Management Strategy for Water Security in South Africa**
Olalekan Fatoki, Cape Peninsula University of Technology, South Africa
- 18:10-18:30** ————— **Title: Photocatalytic microbial removal and degradation of organic contaminants of water using PES fibers**
Buthayna Al-Ghafri, Nanotechnology Research Center, Sultan Qaboos University, Oman
- 18:30-18:50** ————— **Title: Climate change education and vulnerable groups in southern Africa: The case for utilising the services of frontline human services professionals**
Rodreck Mupedziswa, University of Botswana, Botswana
- 18:50-19:10** ————— **Title: CO₂ Concentration Not the Cause of Warming in U.S. Bodies of Water Over the Past 89 Years**
Warren G. Hahn, P.E., Hahn Engineering Inc., USA

Panel Discussions

3
Day

Saturday

September 15, 2018

Moderator: Ekaterina Shorohova, Forest Research Institute of the Karelian Research Centre, Russian Academy of Science, Russia

Sessions:

Climate Change & Natural Environment | Climate change and Agriculture

Session Chairs

A. Pouyan Nejadhashemi, Michigan State University, USA

Peter Domonkos, ESPERE Association, Spain

09:00-09:20 ————— **Title: Large-scale modeling to evaluate stream health vulnerability to climate change**

A. Pouyan Nejadhashemi, Michigan State University, USA

09:20-09:40 ————— **Title: Place of origin and climatic variations as causes of groundwater contamination by arsenic in Nepal**

Barbara Mueller, Bamugebiochem, Switzerland

09:40-10:00 ————— **Title: Do changes in boreal forest understory vegetation reflect climate change?**

Ilkka Vanha-Majamaa, Natural Resources Institute Finland, Finland

10:00-10:20 ————— **Title: Intrinsic water use efficiency after fertilization Douglas-fir plantation in the Oregon Coast Range**

Eladio H. Cornejo-Oviedo, Antonio Narro Autonomous Agrarian University, Mexico

10:20-10:40 ————— **Title: Climate change during Holocene in Northwestern Mexico based on geochemical, magnetic and palinological evidence**

Carmen Isela Ortega Rosas, State University of Sonora, Mexico

3
Day

Saturday

September 15, 2018

- 10:40-11:00** ————— **Title: Increasing concurrent drought and heat during the summer maize season in Huang-Huai-Hai Plain, China**
Qingfeng Meng, China Agricultural University, China
- Coffee Break 11:00 -11:10 @ Foyer**
- 11:10-11:30** ————— **Title: Old-growth forests in view of climate change**
Ekaterina Shorohova, Forest Research Institute of the Karelian Research Centre, Russian Academy of Science, Russia
- 11:30-11:50** ————— **Title: The slick dairy cow as an adaptive asset for resilient dairy operations upon the uncertainty of climate change**
Guillermo Ortiz-Colón, University of Puerto Rico at Mayagüez, Puerto Rico
- 11:50-12:10** ————— **Title: Impacts of Sectoral Emissions in China and the Implications: Air Quality, Public Health, Crop Production, and Economic Cost**
Steve Hung Lam Yim, The Chinese University of Hong Kong, Hong Kong
- 12:10-12:30** ————— **Title: Assessment of the Iberian Peninsula bioclimate (1950-2017)**
Cristina Andrade, Instituto Politécnico de Tomar, Portugal
- 12:30-12:50** ————— **Title: Response to climate change of cropping system from plant to field managements**
Hui JU, Chinese Academy of Agricultural Sciences, China
- 12:50-13:10** ————— **Title: Vulnerability Assessment of Groundwater to Contamination Using Electrical Resistivity Method at the Open Dumpsite in Gosa, Abuja, Nigeria**
Dr Abdulsalam Nasir Naeem, University of Abuja, Nigeria

3
Day

Saturday

September 15, 2018

13:10-13:30

Title : Land use projections in China under global socioeconomic and emission scenarios: Utilizing a scenario-based land-use change assessment framework

NA DONG, The Chinese University of Hong Kong, Hong Kong

Lunch Break 13:30 -14:10 @ MARCO POLO

Sessions:

Global Warming Effects & Causes | Land, Water & Fisheries

Session Chairs

Alain Blicek, Palaeontologist, Former CNRS emeritus senior scientist, France

Sekar Kasi, National Institute of Mental Health and Neurosciences, India

14:10-14:30

Title: Causes of groundwater contamination using geochemical approaches and fuzzy logic on GIS platform: A case study of Busan Metropolitan City, Korea

Sang Yong Chung, Pukyong National University, South Korea

14:30-14:50

Title: Winter atmospheric circulation anomaly associated with recent Arctic winter warm anomalies

Bingyi Wu, Fudan University, China

14:50-15:10

Title: Thermal Tolerance of Fishes from Tropical Rivers in Thailand: Global Warming Implications

Sampan Tongnunui, Mahidol University, Thailand

15:10-15:30

Title: Historical Development of the National Climate Change Policy and the Role of the Climate Change Secretariat in Sri Lanka

Vindya Hewawasam, The University of Tsukuba, Japan

15:30-15:50

Title: Simulation of snowmelt-runoff under climate change scenarios in a data-scarce mountain environment

Muhammad Yasir, WUHAN University, China

3 Day

Saturday

September 15, 2018

15:50-16:10

Title: Quantifying green water deficit for wheat production in different climatic zones of Iran

Abdullah Darzi-Naftchali, Sari Agricultural Sciences and Natural Resources University, Iran

Panel Discussions

Thanks Giving

Poster Presentations on DAY-1 (13:30 -17:00)

WCCC201

Title: Response of flood to regional climate change in North China

Junping Wang, Capital Normal University, China

WCCC202

Title: Holocene climate change records from sand wedge at Linggo Co, Qiangtang Plateau

Baoling Pan, Capital Normal University, China

WCCC203

Title: Using statistical model to simulate the impact of climate change on maize yield with climate and crop uncertainties

Yi Zhang, Chinese Academy Meteorological Sciences, China