

17th IAMC Annual Meeting

Yonsei University, Seoul, South Korea
4-6 November 2024

Organisers



With the support of



PROGRAM

***** Meeting Time Zone: KST (Korean Standard Time) *****

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04 November 2024

09.00-9.30

OPENING SESSION

Location: Grand Ballroom

Chair: **Detlef van Vuuren**, PBL Netherlands Environmental Assessment Agency, Netherlands

Speakers:

Dong-Sup Yoon, President of Yonsei University, Republic of Korea

Chang Hoon Lee, President of Korea Environment Institute, Republic of Korea

John Weyant, Stanford University, USA

Detlef van Vuuren, PBL, Netherlands

9.30-10.30

PLENARY SESSION 1: Green growth

Location: Grand Ballroom

Chair: **Tae Yong Jung**, Yonsei University, Republic of Korea

Speakers:

James McFarland, US Environmental Protection Agency, US EPA, USA

Rob Dellink, Organization for Economic Cooperation and Development, OECD, France

Jiyong Eom, Korea Advanced Institute of Science and Technology, KAIST, Republic of Korea

10.30 – 11.00 Coffee break

11.00-12.45

PARALLEL SESSION 1.1 – NATIONAL 1

Location: Grand Ballroom

CHAIR: **Jae Edmonds**, Pacific Northwest National Laboratory, Joint Global Change Research Institute at the University of Maryland (PNNL/JGCRI), USA

Modelling the Energy System Impacts of Nigeria's Nationally Determined Contribution and Low-Carbon Transition to 2050 [Paper ID: 452]

Michael Dioha, Clean Air Task Force, USA

Green transition reforms in Greece: Evaluating the effectiveness of the National Recovery and Resilience Plan towards the achievement of national determined contributions and net-zero targets [Paper ID: 744]

Alexandros Flamos, Technoeconomics of Energy Systems laboratory (TEESlab), University of Piraeus Research Centre (UPRC), Greece

Analysis of the effect and potential of methane emissions reduction in China's energy transition pathway [Paper ID: 664]

Pianpian Xiang, Beijing University of Technology, China

Evaluating Carbon Neutral Strategies in South Korea: Using an Integrated Model [Paper ID: 576]

Jeongeun Lee, Korea Environment Institute (KEI), Republic of Korea

An Accounting Framework for Implementing India's NDC using Key Policy Analysis [Paper ID: 507]

Jyoti Maheshwari, Indian Institute of Management Ahmedabad (IIMA), India

Provincial-Level Assessment of Carbon Dioxide Removal to Meet China's 2060 Carbon Neutrality Goal [Paper ID: 528]

Yang Qiu, Pacific Northwest National Laboratory, Joint Global Change Research Institute at the University of Maryland (PNNL/JGCRI), USA

11.00-12.45

PARALLEL SESSION 1.2 – ECONOMY 1

Location: IBK Hall

CHAIR: Valentina Bosetti, CMCC Foundation - Euro-Mediterranean Center on Climate Change, RFF-CMCC European Institute on Economics and the Environment, Bocconi University, Italy

Impact of technology shifts driven by carbon neutrality policy on default risk of thermal power firms in China [Paper ID: 565]

Tsoi Kwan Chui, Institute of Carbon Neutrality, Peking University (PKU-ICN), China

How do interest rates affect decarbonisation pathways? A stakeholder-driven modelling analysis [Paper ID: 741]

Natasha Frilingou, National Technical University of Athens, Greece

Implications of energy investments on employment in a decarbonised economy [Paper ID: 695]

Rafael Garaffa, European Commission, Joint Research Centre (JRC), Spain

Carbon finance policy can clear financing hurdles for China's steel industry's low-carbon transition [Paper ID: 776]

XueJing Jiang, Shanghai Jiaotong University, China

A multi-model analysis of China's investment needs towards carbon neutrality [Paper ID: 742]

Xinyue Li, Center for Global Sustainability (CGS), United States

Decarbonizing Nigeria: Modelling the Economic Implications of Just Energy Transition [Paper ID: 672]

Uchenna Alexander Nnamani, Centre for Climate Change, Alex-Ekwueme Federal University, Ebonyi State, Nigeria

11.00-12.45

PARALLEL SESSION 1.3 – SECTORS 1

Location: Challenge Hall

CHAIR: Haewon McJeon, KAIST, Republic of Korea

Assessing the role of modular mini refineries in decarbonization scenarios using the ORION sectoral model [Paper ID: 479]

Clarissa Bergman-Fonte, Programa de Planejamento Energético (PPE/COPPE/UFRJ), Brazil

Assessment of relocation of electric furnace steelmaking process by provinces in China under carbon neutrality target [Paper ID: 473]

Weiyi Jiang, Yonsei University, Republic of Korea

Air pollution reduction co-benefits of decarbonization strategies in China's transport sector [Paper ID: 513]

Runsen Zhang, The University of Tokyo, Japan

Utilizing combined heat and power generation (CHP) and industrial waste heat in district heating towards carbon neutrality in China [Paper ID: 690]

Shiyan Chang, Tsinghua University, Global Climate Change Institute (TSINGHUA), China

Saudi Arabia Net-Zero emissions by 2060: Transformation of the transport sector [Paper ID: 588]
Puneet Kamboj, King Abdullah Petroleum Studies and Research Center (KAPSARC), Saudi Arabia

Navigating Towards Carbon Neutrality: Modeling Sustainable Shipping for Korea [Paper ID: 628]
Soonyoung Kim, Seoul National University, Republic of Korea

11.00-12.45

PARALLEL SESSION 1.4 – FEASIBILITY

Location: JakeLah Hall

CHAIR: Elmar Kriegler, Potsdam Institute for Climate Impact Research (PIK), Germany

A new IAM scenario assessment framework for addressing regional and global feasibility and desirability questions [Paper ID: 757]

Hamish Beath, Imperial College London (IMPERIAL), United Kingdom

Analysis of Grid Reliability in Carbon-Neutral Scenarios Derived from Integrated Models [Paper ID: 784]

Yonghyun Song, NEXTgroup, Republic of Korea

Hindcasting-based evaluation of integrating societal aspects in optimization-based electricity system model in 31 European countries [Paper ID: 524]

Xin Wen, University of Geneva, Institute for Environmental Sciences (UNIGE), Switzerland

Feasibility translation of scenario results for policy makers - a case of solar energy targets [Paper ID: 763]

Siddharth Joshi, International Institute for Applied Systems Analysis (IIASA), Austria

Reducing transition costs towards carbon neutrality of China's coal power plants [Paper ID: 534]

Rui Wang, Tsinghua University, China

K-MIP2023: Assessing the Feasibility of End-Use Sector Fuel Decarbonization in Korea's Carbon Neutral Future [Paper ID: 616]

Soyeong Jeong, KAIST Center for Sustainable Development, Republic of Korea

12.45 – 14.15 Lunch

14.15-16.15

PARALLEL SESSION 2.1 – NATIONAL 2

Location: Grand Ballroom

CHAIR: Eun Young Kim, Yonsei University, Republic of Korea

Assessing the Impact of Energy Transition Initiatives on the Policy Cost of Saudi Arabia's Net-Zero Ambition [Paper ID: 632]

Raphael Apeaning, King Abdullah Petroleum Studies and Research Center (KAPSARC), Saudi Arabia

Towards a sustainable energy transition in Argentina: exploring different possibilities for hydrocarbons and green commodities [Paper ID: 511]

Aliosha Nicolás Behnisch, Bariloche Foundation, Argentina

Macroeconomic Impacts and Crowding Out Effect of energy Transition in Tunisia: A top-down bottom-up modeling approach [Paper ID: 492]

Imen Bennour, Laboratoire d'Economie et de Gestion Industrielle. Ecole polytechnique de Tunisie (LEGI-EPT), Tunisia

Pathways toward Decarbonized Transport in Thailand: Development of Integrated Transport Model [Paper ID: 633]

Achiraya Chaichaloempreecha, National Institute for Environmental Studies (NIES), Japan

Azerbaijan: Pathways for Decarbonization in a Global Context [Paper ID: 523]

Maksym Chepeliev, Purdue University (PURDUE), United States

Mitigation pathways for black carbon emissions in Pakistan [Paper ID: 470]

Kaleem Anwar Mir, Ministry of Climate Change and Environmental Coordination, Government of Pakistan, Pakistan

Linking Computable General Equilibrium Model with Power Sector Optimization Model to Evaluate Net-Zero Scenarios for Korea [Paper ID: 615]

Yong-Gun Kim, Yonsei University, Republic of Korea

14.15-16.15

PARALLEL SESSION 2.2 – DEEP

Location: IBK Hall

CHAIR: Jessica Strefler, Potsdam Institute for Climate Impact Research (PIK), Germany

A planetary boundary for precautionary geological carbon storage [Paper ID: 547]

Matthew Gidden, International Institute for Applied Systems Analysis (IIASA), Austria

Rate and growth limits may substantially reduce the role of geologic carbon storage in meeting climate targets [Paper ID: 549]

Jay Fuhrman, Pacific Northwest National Laboratory, Joint Global Change Research Institute at the University of Maryland (PNNL/JGCRI), United States

Transitioning away from fossil fuels on the pathway to climate neutrality [Paper ID: 701]

Fabrice Lecuyer, Potsdam Institute for Climate Impact Research (PIK), Germany

Assessment of Energy System Configurations Achieving a Complete Phase-out of Fossil Fuels [Paper ID: 619]

Shotaro Mori, Kyoto University (UKYOTO), Japan

Analyses on transitions of energy-intensive sectors to net-zero emissions consistent with the Paris long-term targets using an IAM [Paper ID: 689]

Keigo Akimoto, Research Institute of Innovative Technology for the Earth (RITE), Japan

Complementary temperature effects of methane and carbon dioxide abatement [Paper ID: 760]

Christoph Bertram, Center for Global Sustainability (CGS), United States

Climate change mitigation scenarios with temperature overshoot and broad CDR portfolio for use in ESMs [Paper ID: 724]

Leon Merfort, Potsdam Institute for Climate Impact Research (PIK), Germany

14.15-16.15

PARALLEL SESSION 2.3 – SUSTAINABLE

Location: Challenge Hall

CHAIR: Kiyoshi Takahashi, National Institute for Environmental Studies (NIES), Japan

The Global Environment Outlook: Assessing transformation pathways to meet environmental and social goals using an integrated framework of models [Paper ID: 735]

Vassilis Daioglou, PBL Netherlands Environmental Assessment Agency (PBL), Netherlands

Optimising sectoral contributions for Paris-compatible emission budgets over multiple SDG trade-offs [Paper ID: 762]

Dirk-Jan van de Ven, Basque Center for Climate Change (BC3), Spain

Assisted migration of species for a nature-positive future under the long-term climate goals [Paper ID: 569]

Kazuaki Tsuchiya, National Institute for Environmental Studies (NIES), Japan

Substantial air quality and health benefits from combined federal and subnational climate actions in the United States [Paper ID: 777]

Haewon McJeon, KAIST, Republic of Korea

Exploring Northeast Asia's Mitigation Pathways toward Net-Zero and Clean Air through the GUIDE-Global Model [Paper ID: 629]

Jung-Hun Woo, Seoul National University (SNU), Graduate School of Environmental Studies (GSES), Republic of Korea

Modelling the Health Economic Impacts of Air Pollution and Heat Exposure Induced by Climate Change [Paper ID: 480]

Bo Yang, Center for Energy and Environmental Policy Research, Beijing Institute of Technology (CEEP-BIT), China

How ammonia (NH₃) can play a role in climate change, air quality, and N deposition by being a carbon-free fuel? [Paper ID: 605]

Thanapat Jansakoo, Kyoto University (UKYOTO), Japan

14.15-16.15

PARALLEL SESSION 2.4 – IMPACTS 1

Location: JakeLah Hall

CHAIR: Franziska Piontek, Potsdam Institute for Climate Impact Research (PIK), Germany

Assessing Climate Impacts on Bioenergy and BECCS with the BLUES model [Paper ID: 746]

Gerd Angelkorte, Programa de Planejamento Energético (PPE/COPPE/UFRJ), Brazil

Macroeconomic Impacts of Climate-induced Damages in Ireland: a CGE Analysis of Secondary Impacts [Paper ID: 736]

Kelly de Bruin, ESRI, Ireland

WITNESS : Climate damage and tipping point key influence in transition [Paper ID: 675]

Thierry Chevalier, Capgemini, France

Evaluating the Global Economic Impact of Extreme Weather: Direct and Indirect Losses Attributable to Anthropogenic Climate Change [Paper ID: 681]

Bowen Wang, Institute of Energy, Environment and Economy, Tsinghua University, China

Flexible emulation of the climate warming cooling feedbacks in a global IAM [Paper ID: 673]

Volker Krey, International Institute for Applied Systems Analysis (IIASA), Austria

The Impacts of Climate Change on Future Global Air Quality and Human Health [Paper ID: 606]

Racha Samermit, Kyoto University (UKYOTO), Japan

Impacts of Climate Change on the Regions of the U.S. Economy [Paper ID: 771]

James McFarland, US Environmental Protection Agency, United States

16.15 – 16.45 – Coffee break**16.45 – 18.15****PARALLEL SESSION 3.1 – NATIONAL 3**

Location: Grand Ballroom

CHAIR: Shinichiro Fujimori, Kyoto University, Japan

Balancing Adaptation and Mitigation Pathways for Pakistan [Paper ID: 607]

Muhammad Awais, International Institute for Applied Systems Analysis (IIASA)/Uvic, Canada

A CLEWs assessment of land-use implications of sectoral climate policy in Sri Lanka [Paper ID: 658]

Lahiru Jayasuriya, Department of Electrical and Electronic Technology, Rajarata University of Sri Lanka, Sri Lanka

Bioenergy Pathways for India's Net-Zero Amidst Land and Water Constraints [Paper ID: 505]

Joy Rajbanshi, Council on Energy, Environment and Water, India

The Land Use and Environmental Trade-offs of India's Ethanol Blending Target [Paper ID: 583]

Miodrag Stevanovic, Potsdam Institute for Climate Impact Research (PIK), Germany

Enhancing CLEW Model for Ethiopia: Long-term energy analysis and impacts [Paper ID: 540]

Alexandros Nikas, Energy Policy Unit, School of Electrical and Computer Engineering, National Technical University of Athens (EPU-NTUA), Greece

16.45 – 18.15**PARALLEL SESSION 3.2 – TRADE**

Location: IBK Hall

CHAIR: Sha Yu, International Monetary Fund, United States

Economic and Environmental Effects of Industrial Policy Nationalism [Paper ID: 621]

Panagiotis Fragkos, E3 Modeling (E3M), Greece

Navigating carbon boundaries: insights into EU CBAM and national policies [Paper ID: 670]

Paola Rocchi, Euro-Mediterranean Center on Climate Change (CMCC), Italy

Integrated Assessment of Korea's Future Hydrogen Trade and Carriers for its 2050 Carbon Neutrality Target [Paper ID: 611]

Jiwon Kwun, KAIST Graduate School of Green Growth and Sustainability (KAIST GGS), Republic of Korea

Benefits of Demand-Side Policy Interventions for Energy Security [Paper ID: 700]

David McCollum, Oak Ridge National Laboratory (ORNL), United States

16.45 – 18.15**PARALLEL SESSION 3.3 – INDUSTRY 1**

Location: Challenge Hall

CHAIR: Gunnar Luderer, PIK, Germany

Impact of Blast Furnace Retirement Timing on Carbon Emission Reductions and the Feasibility of Achieving Carbon Neutrality by 2050 in the Korean Steel Sector [Paper ID: 657]

Jeongho Jo, KAIST-CEPS, Republic of Korea

Green hydrogen in the steel industry increases resilience against shocks in energy prices [Paper ID: 665]

Giacomo Marangoni, TU Delft, Netherlands

The evaluation of carbon emission reduction technology selection with learning effect in the steel sector: Using a Hybrid model with positive mathematical programming [Paper ID: 614]

HyunKyung Joo, Seoul National University, Republic of Korea

Changing patterns in a future green steel sector: technology, material flows, circularity, and trade [Paper ID: 571]

Falko Ueckerdt, Potsdam Institute for Climate Impact Research (PIK), Germany

Technology Competition and Transition to Carbon Neutrality in the Steel Industry [Paper ID: 599]

Muntae Kim, Ajou University, Republic of Korea

16.45 – 18.15

PARALLEL SESSION 3.4 – IMPACTS 2

Location: JakeLah Hall

CHAIR: Marina Andrijevic, IIASA, Austria

Uncertainties on the carbon cycle and their consequences for mitigation pathways: preliminary results from the ESM2025 project [Paper ID: 753]

Gabriel Abrahão, Potsdam Institute for Climate Impact Research (PIK), Germany

Reduced global food insecurity of mitigating ozone pollution with emission controls [Paper ID: 597]

Shujuan Xia, National Institute for Environmental Studies (NIES), Japan

Re-evaluating Cooling-Related Risks: Regional Impact with Comprehensive Insights into Thermal Environment [Paper ID: 782]

Choi Yohan, University of Seoul, College of Urban Science, Department of Landscape Architecture (UOS), Republic of Korea

Ignoring subnational effects of temperature and precipitation overestimates global climate damage [Paper ID: 568]

Chen Yi, Center for Energy and Environmental Policy Research, Beijing Institute of Technology (CEEP-BIT), China

Costs and benefits of climate policy scenarios with state-of-the-art damage functions [Paper ID: 536]

Franziska Piontek, Potsdam Institute for Climate Impact Research (PIK), Germany

18.30 – 19.00 IN PERSON POSTER SESSION 1

Location: Foyer

NATIONAL

Realizing Canada's Decarbonization Commitments using an Integrated Assessment Model [Paper ID 643]

Muhammad Awais, International Institute for Applied Systems Analysis (IIASA)/Uvic Canada

Net-zero emission pathways towards 2060 in China: key findings from the IMED model [Paper ID 661]
Hancheng Dai, Peking University, China

INTERNATIONAL

Leveraging Open-Source Modelling for Global Energy System Optimization with TIMES-GEO Global model: an application for South-East Asia [Paper ID 715]
Sonja Sechi, E4SMA S.r.l., Italy

DEMAND

A seamlessly GIS-informed approach for agent-based modelling [Paper ID 774]
Sara Giarola, Euro-Mediterranean Center on Climate Change (CMCC), Italy

ENERGY

Competitiveness of Green Hydrogen Prices in OECD Countries under Net-Zero Scenarios: Technology Learning and Decarbonization Policy Perspectives [Paper ID 678]
Hyungsik Choi, Korea Environment Institute (KEI), Republic of Korea

Changing role of battery electric vehicle charging strategies in decarbonizing Japanese power systems [Paper ID 487]
Ryosuke Kataoka, Toyota Central R&D Labs. Inc., Japan

INDUSTRY

Narratives and quantifications of SSP 3.0 for the industrial sector [Paper ID 738]
Gamze Ünlü, International Institute for Applied Systems Analysis (IIASA), Austria

SECTORS

Scenarios for a Low-Carbon Aviation: Demand-Side and Energy Efficiency Assessments [Paper ID 517]
Pedro Maia, Programa de Planejamento Energético (PPE/COPPE/UFRJ), Brazil

Towards Zero-Emission Transport: A Systemic Analysis of Net-Zero Policies in Taiwan [Paper ID 518]
Cheng-Ting Lin, Industrial Technology Research Institute, Green Energy and Environment Research Laboratories (ITRI-GEL), ITRI-GEL, Taiwan - Province of China

Assessing Korea's electric vehicle charging infrastructure utilization [Paper ID 449]
David Woo, KDI School of Public Policy and Management, Republic of Korea

CDR

Deployment expectations of multi-gigatonnes scale carbon removal could have adverse impacts on Asia's energy-water-land nexus [Paper ID 457]
Jeffrey Ampah, Tianjin University, China

JUSTICE

Common-but-differentiated-responsibilities and the impacts on emission mitigation assessment [Paper ID 674]
Nico Bauer, Potsdam Institute for Climate Impact Research (PIK), Germany

Evaluating 'just' energy transition pathways: A review of equity and justice considerations in Integrated Assessment Models [Paper ID 696]
Joan Kiran, National Institute of Advanced Studies, India

Equitable Transition to Electric Vehicles - Employment Challenges in Taiwan [Paper ID 592]

Ko-Chia Yu, National Taipei University, Taiwan - Province of China

ECONOMY**Effect of correlated uncertainties in economic growth and CO2 emissions on the social cost of carbon [Paper ID 687]**

Paul Alkemade, Delft University of Technology, Netherlands

Assessing Target Consistent Carbon Prices for Korea's Carbon Neutrality using GCAM-KAIST [Paper ID 559]

Jungme Lee, Korea Advanced Institute of Science and Technology, Republic of Korea

IMPACTS**Agricultural Labor under Heat Stress: Productivity Shocks and Macroeconomic Consequences [Paper ID 780]**

Jae Edmonds, Pacific Northwest National Laboratory, Joint Global Change Research Institute at the University of Maryland (PNNL/JGCRI), USA

METHODS**Use and Non-Use Values of Ecosystems in General Equilibrium Analysis [Paper ID 654]**

Gabriele Alessandro Mansi, Euro-Mediterranean Center on Climate Change (CMCC), Italy

Advancing participatory integrated assessment modelling via a Policy Response Mechanism: a novel approach to policy-relevant, stakeholder-driven modelling [Paper ID 552]

Alexandros Nikas, Energy Policy Unit, School of Electrical and Computer Engineering, National Technical University of Athens (EPU-NTUA), Greece

LAND**Biodiversity in Integrated Assessment Models [Paper ID 495]**

Cindy Giselle Azuero Pedraza, Euro-Mediterranean Center on Climate Change (CMCC), Italy

Quantifying the Mitigation Potential of Land in the Land-Society-Climate Nexus [Paper ID 624]

Nadine-Cyra Freistetter, Finnish Meteorological Institute, Finland

Change in Land Use/Land Cover Using Remote Sensed Images in Kafanchan Area of Kaduna State, Nigeria [Paper ID 447]

Hosea Kato Mande, Kaduna State University, Nigeria

SUSTAINABLE**Challenges to Trilemma: Climate Change, Air Quality and Nitrogen Waste - Cobenefit Effects and Limitations for Hard-to-Abate sectors under the Global Carbon Neutral Target - [Paper ID 693]**

Tatsuya Hanaoka, National Institute for Environmental Studies (NIES), Japan

Adapting to Extreme Heat: Economic Impacts of Working Time Shifts in China's Vulnerable Provinces [Paper ID 630]

Ziqiao Zhou, Peking University, China

TRADE**The Impacts of Carbon Mitigation Policies on international trade flows and CO2 emissions in Northeast Asian Region [Paper ID 467]**

Jintae Kim, Seoul National University, Republic of Korea

19.00 – 19.30 IN PERSON POSTER SESSION 2

Location: Foyer

NATIONAL

Analysis of NDC and Net Zero Targets of India Using AIM-Technology Model [Paper ID 642]

Anuj Pathak, Kyoto University (UKYOTO), Japan

DEMAND

A meta-analysis of the potential and effective measures of food waste reduction [Paper ID 537]

Wenchao Wu, Japan International Research Center for Agricultural Sciences, Japan

ENERGY

Assessing the growing role of decentralised rooftop solar photovoltaics in the global energy transitions and co-benefits for sustainable development [Paper ID 649]

Siddharth Joshi, International Institute for Applied Systems Analysis (IIASA), Austria

Incorporating critical mineral resource risks into power system transition dynamics of China: an integrated assessment [Paper ID 600]

Junyuan Xu, State Key Joint Laboratory of Environment Simulation and Pollution Control (SKLESPC), School of Environment, Tsinghua University, China

INDUSTRY

Optimal Technology Portfolio and Cost Estimation for Carbon Neutral Policy in the Steel Industry [Paper ID 596]

Woojin Son, Korea university, Republic of Korea

Material Circulation Measures in Key Industries in China: A Win-Win Strategy for Carbon Emissions Reduction and Job Growth [Paper ID 671]

Silu Zhang, Peking University, China

SECTORS

Lithium-ion Battery Price Model toward Transport Sector Analysis [Paper ID 468]

Atsuo Komatsubara, Toyota Central R&D Labs. Inc., Japan

Steering Toward Net-Zero: Integrated assessment of Autonomous Vehicles in Urban, Suburban, and Exurban and their impact on emissions [Paper ID 613]

Ahmed Sobhy Saleh Mahmoud, KAIST, Republic of Korea

Research of provincial pathway towards carbon neutrality of China's steel industry [Paper ID 618]

Tianyi Zhang, Tsinghua University, Global Climate Change Institute (TSINGHUA), China

CDR

Novel Frontiers for Engineered Carbon Dioxide Removal in IAMs: Improving the Representation of Enhanced Weathering and Biochar [Paper ID 712]

Fabio Teixeira Ferreira da Silva, Programa de Planejamento Energético (PPE/COPPE/UFRJ), Brazil

JUSTICE

Is the IAM community doing enough to address international equity and justice concerns? [Paper ID 768]

Jarmo Kikstra, International Institute for Applied Systems Analysis (IIASA), Austria

Using net-zero carbon debt to track climate overshoot responsibility [Paper ID 718]

Setu Pelz, International Institute for Applied Systems Analysis (IIASA), Austria

WATER**Water use in the industrial sector based on the IPAC model under the carbon neutral transformation path [Paper ID 462]**

Yu Jie Jiao, Beijing University of Technology, China

ECONOMY**Socio-economic modelling of decarbonisation scenarios in South Africa [Paper ID 730]**

Áron Dénes Hartvig, Cambridge Econometrics, Corvinus University of Budapest, Hungary

Economic Analysis of Global Net Zero: A Dual-Model Approach [Paper ID 755]

Márton Simó, Cambridge Econometrics, Hungary

IMPACTS**Amplifying Cooling Demand and Intensifying Decarbonization Burden in China's Residential Sector under Climate Change [Paper ID 637]**

Teng Ma, Institute of Carbon Neutrality, Peking University (PKU-ICN), China

Development of framework for decision support integrated impact assessment platform and application technology for climate change adaptation (DIRECTION) [Paper ID 532]

Ara Kim, Korea Environment Institute, Republic of Korea

METHODS**An Up-to-Date Overview of open source process-based Integrated Assessment Models – An external View [Paper ID 542]**

Lukas Eggert, German Environment Agency, Germany

Matter Matters: Integrated Assessment of Recycling and Climate Mitigation Policies [Paper ID 698]

Giacomo Marangoni, TU Delft, Netherlands

Enhancing and opening Integrated Assessment Models for climate policy: the OMNIA Model [Paper ID 734]

Sonja Sechi, E4SMA, Italy

LAND**Forestation's sustainability footprints in China [Paper ID 644]**

Shiyu Deng, University College London (UCL), United Kingdom

The Global Food Energy Grid [Paper ID 692]

Maxwell Kaye, McGill University, Canada

SUSTAINABLE**Heterogeneous Health Co-benefits among Diverse Urbanization Levels under 2050 Decarbonization Pathway [Paper ID 489]**

Cheng-pin Kuo, Industrial Technology Research Institute, Green Energy and Environment

TRADE**Estimating Carbon Emissions Intensity from International Trade to Unravel the Food-Land-Energy Nexus in Selected Developing Asian Countries [Paper ID 638]**

Salony Rajbhandari, National Institute for Environmental Studies (NIES), Japan

SSPs

Combining “people-centred” storylines based on social innovations of energy citizenship with narratives of potential “future-world” evolutions towards transformative scenario design [Paper ID 719]

Vassilis Stavrakas, Technoeconomics of Energy Systems laboratory (TEESlab), Department of Industrial Management and Technology, University of Piraeus, Greece

05 November 2024

09.00-10.00

PLENARY SESSION 2: Bridging the Gap between Climate Impact Assessments and Adaptation Strategies

Location: Grand Ballroom

Chair: Marina Andrijevic, IIASA, Austria

Speakers:

Woo-Kyun Lee, Professor, Korea University, Republic of Korea

Young-Il Song, Chief Research Fellow, Korea Environment Institute (KEI), Republic of Korea

Florian Kraxner, Research Group Leader, International Institute for Applied Systems Analysis (IIASA), Austria

Franziska Piontek, PIK, Germany

This session is co-hosted by KEI and OJERI.

10.00-10.30

Community Projects

Location: Grand Ballroom

Chair: Jae Edmonds, Pacific Northwest National Laboratory, Joint Global Change Research Institute at the University of Maryland (PNNL/JGCRI), United States

10.30-11.00 Coffee break

11.00-12.45

PARALLEL SESSION 4.1 – NATIONAL 4

Location: Grand Ballroom

CHAIR: Christoph Bertram, Center for Global Sustainability (CGS), United States

Enhancing Climate Action through Effective Utilization of the Climate Response Fund: Insights from Korea
[Paper ID: 472]

Hyung-Woo Lim, Korea Environment Institute, Republic of Korea

Climate change mitigation policy spillovers in the EU's neighbourhood [Paper ID: 577]

Evangelos Panos, Paul Scherrer Institute (PSI), Switzerland

Australia towards net zero emissions: the critical role of negative emissions technologies, power transformation and land-use change [Paper ID: 595]

Duy Nong, Commonwealth Scientific and Industrial Research Organisation, Australia

Parched power plants: Understanding India's water-power nexus [Paper ID: 625]

Zaid Ahsan Khan, Council on Energy, Environment and Water (CEEW), India

Labor Market Impacts of Tunisian Energy Transition: Simulations from KLEM-TUN Coupled with MAED-MESSAGE [Paper ID: 493]

Houyem Chekki Cherni, Laboratoire d'Economie et de Gestion Industrielle - Ecole Polytechnique de Tunisie (LEGI-EPT), Tunisia

Econometric modelling approach to evaluate greenhouse gas mitigation efforts in Korea: Re-calculation and re-estimation of business-as-usual projections [Paper ID: 680]

Youjoon Won, Sookmyung Women's University, Republic of Korea

11.00-12.45

PARALLEL SESSION 4.2 – JUSTICE 1

Location: IBK Hall

CHAIR: Matthias Weitzel, European Commission, Joint Research Centre (JRC), Spain

Benefits of decarbonization actions without a carbon price [Paper ID: 539]

Shiya Zhao, Kyoto University (UKYOTO), Japan

A justice-based framework to determine countries' fair warming contributions to Paris Agreement [Paper ID: 593]

Mingyu Li, Tsinghua University, China

Exploring the Trade-off of Committed Oil Production: Financial Compensation vs. Emission Mitigation in Non-Oil Sectors [Paper ID: 743]

Rebecca Draeger, Programa de Planejamento Energético (PPE/COPPE/UFRJ), Brazil

Nigeria's Fossil Fuel Subsidy Reforms: Household Welfare and Distributional Effects [Paper ID: 594]

Chukwuemeka Emekwe, Centre for Climate Change and Development (CCCD), Alex Ekwueme Federal University Ndufu-Alike Ikwo (AEFUNAI), Nigeria

Strengthening Arab Country's Climate Ambition and Carbon Dioxide Removal Implications [Paper ID: 456]

Pedro Rochedo, Programa de Planejamento Energético (PPE/COPPE/UFRJ), Brazil and Khalifa University, United Arab Emirates

Energy justice across income groups in China residential sector under decarbonization [Paper ID: 515]

Rongqi Zhu, Institute of Carbon Neutrality, Peking University (PKU-ICN), China

11.00-11.55

PARALLEL SESSION 4.3a – SECTORS 2

Location: Challenge Hall

CHAIR: Laurent Drouet, CMCC Foundation - Euro-Mediterranean Center on Climate Change, RFF-CMCC European Institute on Economics and the Environment, Italy

The effects of ambitious plastics policies on plastic leakage to the environment and greenhouse gas emissions [Paper ID: 525]

Rob Dellink, OECD, France

Circularity scenarios for the European residential sector towards net-zero emission targets [Paper ID: 478]

Alessio Mastrucci, International Institute for Applied Systems Analysis (IIASA), Austria

11.00-12.45

PARALLEL SESSION 4.4 – ECONOMY 2

Location: JakeLah Hall

CHAIR: Elmar Kriegler, Potsdam Institute for Climate Impact Research (PIK), Germany

Integrating Climate and Nature in Land-Use Sector: Global Economic Risk Assessment - Nexus vs Silos [Paper ID: 591]

Miodrag Stevanovic, Potsdam Institute for Climate Impact Research (PIK), Germany

Impacts of Global Warming on Regional Energy and Economy: Uneven consequences arising from global warming-induced heating and cooling demand of households [Paper ID: 530]

Lin Ma, Centre for International Climate and Energy Research (CICERO), Norway

Climate-related Financial Risks in Oil Exporting Economies: The Case of Kazakhstan [Paper ID: 778]

Sha Yu, International Monetary Fund, United States

Blessing or curse? Macroeconomic analysis of transition finance implementation in China under climate targets [Paper ID: 602]

Shuting Fan, Tsinghua University, China

Modeling and Application of Regional Distributional Impact for Carbon Market [Paper ID: 490]

Song-Yang Yan, Center for Energy and Environmental Policy Research, Beijing Institute of Technology (CEEP-BIT), China

11.55-12.45 Parallel session 4.3b - SWGs session: Data Protocols and Management

Location: Challenge Hall

Chairs: Volker Krey, IIASA, Austria and Jessica Strefler, PIK, Germany

12.45-14.15 - Lunch

14.15-16.15

PARALLEL SESSION 5.1 – NATIONAL 5

Location: Grand Ballroom

CHAIR: Shinichiro Fujimori, Kyoto University, Japan

Socio-economic implications of different options for a 2040 EU climate target [Paper ID: 663]

Matthias Weitzel, European Commission, Joint Research Centre (JRC), Spain

From net-zero to gross-zero: Transformation to a fossil-free European energy system by 2050 [Paper ID: 560]

Gunnar Luderer, Potsdam Institute for Climate Impact Research (PIK), Germany

Setting a High-Ambition 2035 NDC in the United States: A Multi-Model Study [Paper ID: 754]

Alicia Zhao, Center for Global Sustainability, University of Maryland, United States

Synchronizing development-led energy transitions towards India's Net Zero in 2070 [Paper ID: 706]

Saritha Sudharmma Vishwanathan, Indian Institute of Management Ahmedabad (IIMA), India

Impacts of the Transition in the Irish Economy through Renewable Electrification [Paper ID: 770]

Kelly de Bruin, ESRI, Ireland

Are COP28 Goals of Tripling Nuclear and Renewable Energy Consistent with IAMs' Pathways? Evaluating the Feasibility of Korean Scenarios from IPCC AR6 Scenarios Database [Paper ID: 573]

Jiseok Ahn, KAIST Graduate School of Innovation & Technology Management, Republic of Korea

Challenges and Benefits of Japan's Hydrogen Society Vision: Some Insights Based on Japan Model Intercomparison Project 2 Net Zero [Paper ID: 563]

Tao Cao, Institute for Future Initiatives (IFI), University of Tokyo, Japan

14.15-16.15

PARALLEL SESSION 5.2 – JUSTICE 2

Location: IBK Hall

CHAIRS: Detlef van Vuuren, PBL Netherlands Environmental Assessment Agency (PBL), Netherlands

Quantifying political, normative and uncertain drivers in fair emissions reduction targets [Paper ID: 566]

Mark Dekker, PBL Netherlands Environmental Assessment Agency (PBL), Netherlands

Achieving Climate Targets with Fairness: A Global Perspective [Paper ID: 590]

Puneet Kamboj, King Abdullah Petroleum Studies and Research Center (KAPSARC), Saudi Arabia

Decent Living Standards in climate and development pathways [Paper ID: 752]

Jarmo Kikstra, International Institute for Applied Systems Analysis (IIASA), Austria

Reducing within-region inequality does not jeopardize achieving existing climate pledges [Paper ID: 574]

Jon Sampedro, Basque Center for Climate Change (BC3), Spain

Beyond Averages: Uncover Historical Climate Change Impact on Between- and Within-Country Income Inequality Dynamics [Paper ID: 504]

Jiarui Zhong, Potsdam Institute for Climate Impact Research (PIK), Germany

Shifting the Burdens of Climate Mitigation: The Distributional Impacts of Social Welfare Functions [Paper ID: 748]

Giacomo Marangoni, TU Delft, Netherlands

Understanding Energy Affordability under Net-Zero Policy [Paper ID: 769]

Christopher Roney, Electric Power Research Institute (EPRI), United States

14.15-16.15

PARALLEL SESSION 5.3 – CDR

Location: Challenge Hall

CHAIR: Vassilis Daioglou, PBL Netherlands Environmental Assessment Agency (PBL), Netherlands

Rapid Estimation of Social Cost of Carbon Probability Distribution using SVR-IAM for Analyzing Cost Effectiveness of Carbon Capture Storage Scenarios [Paper ID: 580]

Desy Caesary, Center of Digital Humanities & Computational Social Sciences, KAIST, Republic of Korea

Separate carbon markets on emissions and removals to target cumulative net negative emissions [Paper ID: 660]

Anne Merfort, Potsdam Institute for Climate Impact Research (PIK), Germany

Co-benefits of Direct Air Capture with Carbon Storage for biodiversity and food in 1.5 C world [Paper ID: 601]

Tomoko Hasegawa, Ritsumeikan University, Japan

Dynamic Assessment of Direct Air Capture Technologies for Climate Mitigation: Considerations for Spatial and Temporal Variations [Paper ID: 725]

Soomin Chun, National Renewable Energy Laboratory (NREL), United States

Assessing the Impact of Permanence and Efficiency on the Climate Benefits of Carbon Dioxide Removal Technologies [Paper ID: 581]

Zeyu Wang, Tsinghua University, Global Climate Change Institute (TSINGHUA), China

The role of nature-based CDR in the green transition [Paper ID: 731]

Soheil Shayegh, Euro-Mediterranean Center on Climate Change (CMCC), Italy

Low-risk carbon removal pathways [Paper ID: 551]

Jessica Strefler, Potsdam Institute for Climate Impact Research (PIK), Germany

14.15-16.15

PARALLEL SESSION 5.4 – METHODS 1

Location: JakeLah Hall

CHAIR: Bas van Ruijven, International Institute for Applied Systems Analysis (IIASA), Austria

Coupling Agriculture and Land Use in a Walrasian Macroeconomic Framework [Paper ID: 749]

Jae Edmonds, Pacific Northwest National Laboratory, Joint Global Change Research Institute at the University of Maryland (PNNL/JGCRI), United States

A generalized tool for projecting investment and fixed O&M costs across technologies, scenarios, and regions [Paper ID: 714]

Mearns Meng, International Institute for Applied Systems Analysis (IIASA), Austria

Developing a Method to Integrate Energy System Model and Computable General Equilibrium Model for Mitigation Analysis [Paper ID: 491]

Osamu Nishiura, National Institute for Environmental Studies (NIES), Japan

Does myopic foresight modeling better capture the real-world energy transition? Hindcasting in 31 European countries [Paper ID: 498]

Hui Shen, University of Geneva, Switzerland

A Comprehensive Open-Source Modelling Platform for Rapid Policy Assessment in Canada [Paper ID: 620]

Madeleine McPherson, University of Victoria, Canada

On the use of median values in IPCC AR6 long-term mitigation pathways [Paper ID: 543]

Naima Chabouni, Centre de Mathématiques Appliquées - Mines ParisTech (CMA), France

Yet another land use downscaling and harmonization pipeline – mrdownscale [Paper ID: 526]

Jan Dietrich, Potsdam Institute for Climate Impact Research (PIK), Germany

16.15-16.45 – Coffee break

16.45-18.15

PARALLEL SESSION 6.1 – INTERNATIONAL

Location: Grand Ballroom

CHAIR: Roberto Schaeffer, Cenergia/COPPE/UFRJ, Brazil

Transitioning towards climate science: the critical role of COP28's fossil fuel statement [Paper ID: 634]

Valentina Bosetti, CMCC Foundation - Euro-Mediterranean Center on Climate Change, RFF-CMCC European Institute on Economics and the Environment, Bocconi University, Italy

COP pledges as an enhancement to climate policy [Paper ID: 697]

Ioannis Dafnomilis, PBL Netherlands Environmental Assessment Agency (PBL), Netherlands

Article 6 and Carbon Clubs in a Fragmented World [Paper ID: 723]

Mel George, Center for Global Sustainability (CGS), United States

A science-based fact-check of the alignment of COP28 energy outcomes with the Paris goals [Paper ID: 708]

Anastasis Giannousakis, E3 Modeling (E3M), Germany

Endogenizing fairness considerations in climate change mitigation scenarios [Paper ID: 721]

Setu Pelz, International Institute for Applied Systems Analysis (IIASA), Austria

16.45-18.15

PARALLEL SESSION 6.2 – INDUSTRY 2

Location: IBK Hall

CHAIR: Volker Krey, International Institute for Applied Systems Analysis (IIASA), Austria

Sub-Regional Supply-Demand Constraints May Threaten Net-Zero Goals in China's Cement Sector [Paper ID: 622]

Yanlei Zhu, Institute of Carbon Neutrality, Peking University (PKU-ICN), China

Net Zero Strategy for India's Automobile Sector [Paper ID: 737]

Chetna Arora, Council on Energy, Environment and Water (CEEW), India

Saudi Arabia net-zero GHG emissions by 2060: Transformation of the industrial sector [Paper ID: 556]

Mohamad Hejazi, King Abdullah Petroleum Studies and Research Center, Saudi Arabia

Exploring Circular Economy Alternatives for Decarbonization of Global Mobility Infrastructure [Paper ID: 553]

Gamze Ünlü, International Institute for Applied Systems Analysis (IIASA), Austria

Bringing circularity into climate change mitigation scenarios: a preliminary multi-model intercomparison [Paper ID: 640]

Marianne Zanon Zotin, PBL Netherlands Environmental Assessment Agency (PBL), Netherlands

16.45-18.15

PARALLEL SESSION 6.3 – LAND

Location: Challenge Hall

CHAIR: Tomoko Hasegawa, National Institute for Environmental Studies (NIES)

Paris Agreement implications for terrestrial biodiversity [Paper ID: 465]

Theo Rouhette, Basque Center for Climate Change (BC3), Spain

Land management practices to co-deliver climate change mitigation, biodiversity conservation and food security [Paper ID: 612]

Xiaotian Ma, Peking University, China

The Impact of Future Changes in Agricultural Land Allocation on Emission of Air Pollutants [Paper ID: 627]

Koga Yamazaki, Kyoto University (UKYOTO), Japan

Mitigation of land-related impacts of solar deployment in the European Union through land planning policies [Paper ID: 765]

Noelia Ferreras Alonso, CARTIF Foundation, Spain

Managing forests for biodiversity conservation and climate change mitigation [Paper ID: 499]

Cindy Giselle Azuero Pedraza, Euro-Mediterranean Center on Climate Change (CMCC), Italy

16.45-18.15

PARALLEL SESSION 6.4 – METHODS 2

Location: JakeLah Hall

CHAIR: Mark Dekker, PBL Netherlands Environmental Assessment Agency (PBL), Netherlands

Long-term outlooks based on short-term mitigation efforts: mapping the effects of extension methods [Paper ID: 750]

Elena Hooijschuur, PBL Netherlands Environmental Assessment Agency (PBL), Netherlands

A new approach to optimising progress in non-climate sustainability indicators associated with varying sectoral mitigation efforts for different carbon budgets [Paper ID: 720]

Konstantinos Koasidis, Energy Policy Unit, School of Electrical and Computer Engineering, National Technical University of Athens (EPU-NTUA), Greece

The (mis)use of scenarios in fossil fuel and industry sector climate transition action plans [Paper ID: 716]

Dimitri Lafleur, Australasian Centre for Corporate Responsibility - ACCR, Australia

Navigating the unexpected: The impact of disruptive events on mitigation scenarios [Paper ID: 527]

Alaa Al Khourdajie, Imperial College London (IMPERIAL), United Kingdom

CHEER2.0: A regional resource-energy-industry synergetic transition modeling system through coupling provincial-level power system and energy economic model of China [Paper ID: 641]

Kangxin An, Tsinghua University, China

06 November 2024

09.00 – 10.05

PARALLEL SESSION 7.1a – NATIONAL 6

Location: Grand Ballroom

CHAIR: Roberto Schaeffer, Cenergia/COPPE/UFRJ, Brazil

Modelling air quality co-benefits of national-based carbon neutrality pathways [Paper ID: 635]

Younha Kim, International Institute for Applied Systems Analysis (IIASA), Austria

Integrated assessment of air pollution and greenhouse gases mitigation in Pakistan [Paper ID: 469]

Kaleem Anwar Mir, Ministry of Climate Change and Environmental Coordination, Government of Pakistan, Pakistan

The contribution of air quality policies to the carbon neutrality transition in Korea [Paper ID: 564]

Jean Fouré, OECD, France

10.05-10.45

PARALLEL SESSION 7.1b – SSP'S

Location: Grand Ballroom

CHAIR: Keywan Riahi, International Institute for Applied Systems Analysis (IIASA), Austria

Quantifying the roads ahead broadly: forecasts of the SSPs across demographics, conflict, economics, education, health, infrastructure, and governance for 188 countries to 2200 [Paper ID: 709]

Jonathan Moyer, Frederick S. Pardee Center for International Futures at the University of Denver, USA

Energy Autarchy in the Age of Green Technology: A Boon for the Climate? [Paper ID: 652]

Laurent Drouet, Euro-Mediterranean Center on Climate Change (CMCC), Italy

Unlocking the carbon mitigation potential from post-growth scenarios in China [Paper ID: 562]

Jianxiang Shen, Tsinghua University, Global Climate Change Institute (TSINGHUA), China

09.00-10.45

PARALLEL SESSION 7.2 – ENERGY

Location: IBK Hall

CHAIR: Madeleine McPherson, University of Victoria, Canada

Empirical basis for national renewable cost forecasts [Paper ID: 655]

Lennart Baumgärtner, INET, University of Oxford, United Kingdom

Energy supply transformations to reach EU's net-zero goal [Paper ID: 713]

Panagiotis Fragkos, E3 Modeling (E3M), Greece

A Multi-model assessment of carbon neutral pathways for Korea's power sector [Paper ID: 474]

Cheolhung Cho, KAIST, Republic of Korea

Accelerating net-zero transition of China's power system by low-cost flexibility resources provided by coal power [Paper ID: 623]

Kangxin An, Tsinghua University, China

Global energy potential from AWES technology: a novel option for decarbonizing electricity [Paper ID: 531]
Diego Silva Herran, National Institute for Environmental Studies (NIES), Japan

Decarbonisation Pathways of Energy Citizenship: How citizens can contribute to the energy system in different ways and their impacts [Paper ID: 739]
Vassilis Stavrakas, University of Piraeus, Greece

09.00-10.45

PARALLEL SESSION 7.3 – DEMAND

Location: Challenge Hall

CHAIR: Vassilis Daiglou, PBL Netherlands Environmental Assessment Agency (PBL), Netherlands

Exploring emerging uncertainty of natural gas demand: the future role of gas in China's decarbonization [Paper ID: 704]
Dan Zhang, University College London (UCL), United Kingdom

Policy solutions for transitioning to healthier and sustainable diets in the United States [Paper ID: 694]
Maksym Chepeliev, Purdue University (PURDUE), United States

Lifestyle change and corresponding emission and economic impact considering household heterogeneity [Paper ID: 538]
Jun Xie, Tsinghua University, Global Climate Change Institute (TSINGHUA), China

Understanding the Economic Impacts of Energy Demand Changes through Elasticity of Substitution and Global/Local Learning Rates [Paper ID: 585]
Jongwoo Moon, Korea Environment Institute (KEI), Republic of Korea

Endogenous Modelling of Inequality in Low-Carbon Lifestyle [Paper ID: 512]
Alessio Mastrucci, International Institute for Applied Systems Analysis (IIASA), Austria

Bridging Equity Gaps in Integrated Assessment Models: Towards Comprehensive and Just Energy Benchmarks [Paper ID: 608]
Ankita Ranjan, National Institute of Advanced Studies, India

09.00-09.50

PARALLEL SESSION 7.4a – METHODS 3

Location: JakeLah Hall

CHAIR: Bas van Ruijven, International Institute for Applied Systems Analysis (IIASA), Austria

FeliX 2.0: An integrated model of climate, economy, environment, and society interactions [Paper ID: 466]
Quanliang Ye, Radboud University, Netherlands

Open-Access Historical and IAM Comparison Repository [Paper ID: 761]
Andy Miller, Center for Global Sustainability (CGS), United States

Generative AI-based artificial pathways consistent with IPCC classification [Paper ID: 506]
Yang Ou, Institute of Carbon Neutrality, Peking University (PKU-ICN), China

09.50 – 10.45

PARALLEL SESSION 7.4b – WATER

Location: JakeLah Hall

CHAIR: Saritha Sudharmma Vishwanathan, Indian Institute of Management Ahmedabad (IIMA), India

Implications of trade restrictions on deforestation-linked oil crops for the water sector [Paper ID: 779]

Brinda Yarlagadda, Pacific Northwest National Laboratory, Joint Global Change Research Institute at the University of Maryland (PNNL/JGCRI), United States

A New Aggregation Method of Water Resources in Economic Regions Using River Networks and an Area Definition [Paper ID: 501]

Tetsuya Fukuda, Nippon Telegraph and Telephone Corporation, Japan

Water Scarcity and Improved Water Use Efficiency in Tunisia: A Computable General Equilibrium Analysis [Paper ID: 464]

Maha Mili, Laboratoire d'Économie et de Gestion Industrielle, École Polytechnique de Tunisie (LEGI-EPT), Tunisia

10.45-11.15 Coffee break

11.15-12.15

PLENARY SESSION 3: Integrated assessment of Equity and Climate Action

Location: Grand Ballroom

CHAIR: Elmar Kriegler, PIK, Germany

Speakers:

Tejal Kanitkar, National Institute of Advanced Studies, India

David Anthony Raitzer, Asian Development Bank, Philippines

Setu Pelz, IIASA, Austria

Panelist:

Saritha Sudharmma Vishwanathan, IIMA, India

Detlef van Vuuren, PBL Netherlands Environmental Assessment Agency, Netherlands

12.15-12.45

Location: Grand Ballroom

Awards

Chairs: Jae Edmonds, Pacific Northwest National Laboratory, Joint Global Change Research Institute at the University of Maryland (PNNL/JGCRI), USA and Elmar Kriegler, PIK, Germany

12.45-14.15 - Lunch

14.15-15.15

SWGs session: National Scenarios

Location: Grand Ballroom

CHAIRS: Shinichiro Fujimori, Kyoto University, Japan; Roberto Schaeffer, Cenergia/COPPE/UFRJ, Brazil;

Saritha Sudharmma Vishwanathan, Indian Institute of Management Ahmedabad (IIMA), India

SWGs session: Scenarios

Location: IBK Hall

CHAIRS: Keywan Riahi, International Institute for Applied Systems Analysis (IIASA), Austria and **Detlef van Vuuren**, PBL Netherlands Environmental Assessment Agency, Netherlands

SWGs session: Scenarios for Climate-related Financial Analysis

Location: Challenge Hall

CHAIRS: Jae Edmonds, Pacific Northwest National Laboratory, Joint Global Change Research Institute at the University of Maryland (PNNL/JGCRI), USA and **Sha Yu**, International Monetary Fund, United States

Speakers: **Bas van Ruijven**, IIASA, Austria; **Sha Yu**, IMF, USA; **Jae Edmonds**, PNNL, USA; **Hanna Kim**, SKFSS, Republic of Korea; **Seth Monteith**, ClimateWorks, USA.

SWGs session: Evaluation and Diagnostic

Location: JakeLah Hall

CHAIR: Elmar Kriegler, Potsdam Institute for Climate Impact Research (PIK), Germany

Speakers: **Mark Dekker**, PBL, Netherlands and **Mathijs Harmsen**, PBL, Netherlands

15.25-16.15 Reporting back from SWGs

Location: Grand Ballroom

Speakers:

SWGs session - National Scenarios: Saritha Sudharma Vishwanathan, Indian Institute of Management Ahmedabad (IIMA), India

SWG session – Scenarios: Keywan Riahi, International Institute for Applied Systems Analysis (IIASA), Austria and **Detlef van Vuuren**, PBL Netherlands Environmental Assessment Agency, Netherlands

SWG session - Scenarios for Climate-related Financial Analysis: Jae Edmonds, Pacific Northwest National Laboratory, Joint Global Change Research Institute at the University of Maryland (PNNL/JGCRI), USA

SWG session - Evaluation and Diagnostic: Elmar Kriegler, Potsdam Institute for Climate Impact Research (PIK), Germany

SWG session – Data Protocols and Management: Jessica Strefler, PIK, Germany

16.15-16.45 – Coffee break

16.45-17.45 PLENARY SESSION 4 – Climate Change and Cities in Asia

Location: Grand Ballroom

CHAIR: Saritha Sudharma Vishwanathan, Indian Institute of Management Ahmedabad (IIMA), India

Speakers:

Minal Pathak, Ahmedabad University, India

Siir Kilkis, IPCC WG III Vice Chair, Turkey

Jessie Press-Williams, Climate Policy Initiative, UK

17.45-18.15

Location: Grand Ballroom

Closing session

CHAIR: Detlef van Vuuren, PBL Netherlands Environmental Assessment Agency, Netherlands

Speakers:

Tae Yong Jung, Yonsei University, Republic of Korea

Marina Andrijevic, IIASA, Austria

Saritha Sudharma Vishwanathan, IIMA, India

Elmar Kriegler, PIK, Germany

Roberto Schaeffer, Cenergia/COPPE/UFRJ, Brazil