

Scientific Recognition: Water

Awards

Ted Veldkamp

- European Geosciences Union Young Scientist Travel Grant 2016
- American Geophysical Union Young Scientist Travel Grant 2016

Yoshihide Wada

- 2015 Editors' Citations for Excellence in Refereeing, cited by Paul Dirmeyer for the Journal of Advances in Modeling Earth Systems
- 2015 Editors' Citations for Excellence in Refereeing, cited by Alberto Montanari, editor-in-chief of Water Resources Research

Invited lectures

Peter Burek

- Asia Water Futures and Solutions 2050, Asian Irrigation Forum 2, Asian Development Bank Headquarters, Manila, Philippines, January 2016
- Looking at the spatial and temporal distribution of global water availability and demand, European Geosciences Union General Assembly, Vienna, April 2016
- Water Futures and Solutions Initiative and the Nexus Challenge, 8th GEF Biennial International Waters Conference - Negombo, Sri Lanka, May 2016
- Water Energy Food – Understanding the Water-Energy-Food Nexus, Osnabrueck, Germany, June 2016

Edward Byers

- Water use and water availability constraints to decarbonised electricity systems, European Geosciences Union General Assembly 2016, Vienna, Austria, April 2016

Guenther Fischer

- Integrated Scenario Development & Modelling of the Water-Food-Energy Nexus in Asia & the Pacific, Peking University - IIASA Workshop, Beijing, China, March 2016
- Integrated Scenario Development & Modelling: Water Futures and Solutions, Beijing, China, March 2016
- The AEZ Modelling Framework. Food and Agriculture Organization of the UN HQ, Rome, Italy, May 2016
- Training of the Core Group on the Use of AEZ Applications, Food and Agriculture Organization of the UN HQ, Rome, Italy, May 2016
- Agro-ecological Zoning: Downscaling Actual Yield and Production, Food and Agriculture Organization of the UN HQ, Rome, Italy, May 2016
- Agro-economic Zoning for Major Crops in Thailand: NAEZ assessment steps and modules, Food and Agriculture Organization of the UN HQ, Rome, Italy, May 2016
- Integrated Scenario Development & Modelling: Water Futures and Solutions, Food and Agriculture Organization of the UN HQ, Rome, Italy, May 2016

Naota Hanasaki

- Incorporation of advanced water abstraction schemes into the H08 global hydrological model, Coupled Human-Water Dynamics across Scales: Observations, Understanding, Modeling, and Management, Makuhari, Japan, May 2016
- Reservoir operation schemes in global hydrological models, Including Water Management in Large Scale Models conference, Gif-sur-Yvette, France, September 2016

Taher Kahil

- Water scarcity and drought management: the role of economic instruments in the EU and Australia, policy session in the 22nd Annual Conference of the European Association of Environmental and Resource Economists, June 2016

Simon Langan

- Water Futures and Solutions, UN Industrial Development Organization Land Locked Countries workshop, Stockholm, Sweden, August 2016
- Water Futures presentation, Budapest Water Summit, November 2016
- Swedish University of Agricultural Sciences, Umea, Sweden; lecture and PhD examiner
- Water Futures and Solutions, Future Earth - Water, Energy, Food Workshop, talk and panel member Pietermaritzburg, November 2016

- Exploring evidenced-based water security practice, University of East Anglia, invited input to workshop, November 2016
- Developing Integrated Assessment Modelling and future scenarios to assess trade-offs and synergies between water energy and food at global and regional scales. Global workshop on intersectoral (nexus) assessments and the 4th nexus Task Force United Nations Economic Commission for Europe, Geneva, Talk and moderation of round table, December 2016
- Water Futures and Solutions: Multiple scenarios, models and results, 7th International Conference on Integrated Disaster Risk Management, Iran, October 2016

Piotr Magnuszewski

- Games politicians should play, presentation at the conference “Budget Game. How to successfully engage citizens in participating in decision making in their city?” Wroclaw, Poland, January 2016
- Energy Transition Game; leading simulation game and presentation at the System Innovation Lab – shaping Europe’s energy future, workshop organized by the Wuppertal Institute, Berlin, February 2016
- Serious Games, learning through experience, complexity and fun, Green Games Festival, Warsaw, Poland, April 2016
- Teaching, Learning and Practicing Sustainability Through Serious Games, Summer School “Planetary Boundaries. Art of Modelling,” Zvenigorod, Russia, May 2016
- Experiential Learning Environments as a Means for Transformation, System Dynamics conference, Delft, the Netherlands, June 2016
- Energy Transition Game, workshop as a part the celebrations of the 30th anniversary of the German Ministry of Environment, Berlin, September 2016
- Integrating culture into disaster risk management in the context of migrations, workshop with the game “Gifts of Culture,” Balaton Group meeting, Balatonszemes, Hungary, September 2016

Luzma Fabiola Nava

- Realidad o quimera de los futuros conflictos hídricos: el caso de la cuenca binacional del Río Grande/Bravo, Seminario Permanente Fronteras Teórico-Conceptuales y Metodológicas en los Estudios Urbanos, del Medio Ambiente y el Territorio, Universidad de Guanajuato; Guanajuato, México, March 2016.

Yusuke Satoh

- Development of future water use scenarios: Water Futures and Solutions initiative’s approaches, Coupled Human-Water System Dynamics Across Scales, Makuhari Messe, Japan, May 2016
- Asian water futures: Multi scenarios, models and criteria assessment, seminar talk, the Institute of Industrial Science, the University of Tokyo, Japan, May 2016
- Asian water futures: Multi scenarios, models and criteria assessment, 2016 European Geophysical Union General Assembly in Vienna, Austria, April 2016

Somayeh Shadkam

- Preserving the world second hypersaline lake under future climate change and irrigation scenarios, Integrated Disaster Risk Management conference, Isfahan, Iran, October 2016
- Water-saving intervention assessment framework, IRAN-IIASA workshop, Isfahan, Iran, October 2016

Laixiang Sun

- Panelist at the UK-China Workshop on Extreme Weather and Global Food System Resilience, Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing, China, January 2016
- Drivers of the US CO₂ emissions 1997-2013, Shanghai Normal University, Shanghai, China, January 2016
- Shift in China’s Agro-climatic Resource Inventory under Climate Change, International Crop Modelling Symposium 2016, Berlin, Germany, March 2016
- Carbon Inequality in Global Trade Networks, Climate Action 2016 Forum, University of Maryland, College Park, USA, May 2016
- A Study of Flood Control Strategies from London Experience for Shanghai to Respond to Climate Change, High-level Symposium of Chinese Academy of Engineering on Impact of Climate Change on Urban Rainstorms/compound disasters and adaptation strategy, Shanghai, China, September 2016
- Improving Regional Agro-ecological System Simulation with Cross-scale Model Coupling Method, Shenyang Regional Climate Center, Shenyang, China, September 2016
- Shift in China’s Agro-climatic Resource Inventory under Climate Change, Chinese Academy of Agricultural Sciences, Beijing, China, September 2016

Yoshihide Wada

- High-resolution modeling of human and climate impacts on global water resources, 2016 Japan Geoscience Union (JpGU) Spring Meeting, JpGU and AGU joint sponsored session on Coupled Human-Water System Dynamics Across Scales in Makuhari Messe, Japan, May 2016

- Sustainability of global water use: An integrated water resources modeling framework to assess surface water and groundwater overuse, Seminar Talk, the Institute of Industrial Science, the University of Tokyo, Japan, May 2016
- Total land water storage change over 2003-2013 estimated from a global mass budget approach, European Space Agency, Living Planet Symposium 2016, Prague, Czech Republic, 9-13 May 2016
- Cross-scale intercomparison of climate change impacts simulated by regional and global hydrological models in eleven large river basins, 2016 European Geophysical Union General Assembly in Vienna, Austria, April 2016
- Transit time distributions to assess present and future contamination risk of karst aquifers over Europe and the Mediterranean, 2016 European Geophysical Union General Assembly in Vienna, Austria, April 2016
- Towards a global water scarcity risk assessment framework: using scenarios and risk distributions, 2016 European Geophysical Union General Assembly in Vienna, Austria, April 2016
- Total land water storage change over 2003-2013 estimated from a global mass budget approach, 2016 European Geophysical Union General Assembly in Vienna, Austria, April 2016
- Food supply reliance on groundwater, 2016 European Geophysical Union General Assembly in Vienna, Austria, April 2016
- A century-long simulation of terrestrial water storage change and its contribution to global sea-level, 2016 European Geophysical Union General Assembly in Vienna, Austria, April 2016
- Impacts of land use and land cover change on water resources and water scarcity in the 20th century: a multi-model multi-forcing analysis, 2016 European Geophysical Union General Assembly in Vienna, Austria, April 2016
- Who is eating up the world's aquifers? Assessment of European Agriculture Water use and trade under climate change Conference-Water Footprint of agricultural products: progress, challenges and solutions, Wageningen, The Netherlands, March 2016
- High-resolution modeling of human and climate impacts on global urban areas at the session on climate change and cities, The 33rd International Geographical Congress, the International Geographical Union Beijing, China, August 2016
- High-resolution modeling of human and climate impacts on global urban areas, Climate change and cities Session, Shanghai Forum on Climate Change and Cities, Shanghai, China, August 2016
- High-resolution modeling of human and climate impacts on global water resources, Consortium of Universities for the Advancement of Hydrological Science Biennial Colloquium Finding Your Place in Big Data: Using Observations to Understand Hydrologic Processes for Predicting a Changing World, the National Conservation Training Center, Shepherdstown, USA, July 2016
- Sustainability of global water use: An integrated water resources modeling framework to assess surface water and groundwater overuse, seminar talk, Department of Geography, University College London, London, UK, June 2016
- Sustainability of global water use: An integrated water resources modeling framework to assess surface water and groundwater overuse, seminar talk, College of Engineering, Michigan State University, Lansing, Michigan, USA, June 2016
- Evolution of human impact modeling, the Eric Wood Symposium on Observations and Modeling of Land Surface Water and Energy Exchanges across Scales, special session on human impacts on hydrologic variability and extremes, and associated coupled human-water system feedbacks, Princeton University, USA, June 2016
- Large-scale assessment of present day and future groundwater recharge and its sensitivity to climate variability in Europe's karst regions, 2016 American Geophysical Union Fall Meeting in San Francisco, USA, December 2016
- Limits to global groundwater consumption, 2016 American Geophysical Union Fall Meeting in San Francisco, USA, 2016, December 2016
- Global and Country-Level Fragility to Major Disruptions in Crop Production, 2016 American Geophysical Union Fall Meeting in San Francisco, USA, December 2016
- Who is eating up the world's aquifers? Unsustainable irrigation embedded in global food trade, 2016 American Geophysical Union Fall Meeting in San Francisco, USA, December 2016
- Assessing Climate Impacts that May Generate Migration Flows - Hydrological models, Workshop on Data and Methods for Modelling Migration Associated with Climate Change, Sciences Po, Paris, France, December 2016
- Bringing Solutions for a Sustainable Water Future, side event of the Budapest Water Summit 2016 in Budapest, Hungary, November 2016
- Closing high-level panel: Turning the tide? How can scientific knowledge guide SDG policy making at different scale? Science-Technology Forum of the Budapest Water Summit 2016 in Budapest, Hungary, November 2016
- Fate of water pumped from underground causing sea level rise, seminar talk, Academia Sinica, Taipei, Taiwan, 2016
- High-resolution modeling of human and climate impacts on global water resources, seminar talk, Department of Atmospheric Sciences, National Taiwan University, Taipei, Taiwan, 2016
- PCR-GLOBWB 2.0: A high resolution integrated global hydrology and water resources model, Workshop Impact of Groundwater in Earth system Models (IGEM), Paris, France, October 2016
- Global Food Production – Share from Sustainable and Unsustainable Groundwater Use, Workshop Impact of Groundwater in Earth system Models (IGEM), Paris, France, October 2016
- Fate of water pumped from underground causing sea level rise, Workshop Impact of Groundwater in Earth system Models (IGEM), Paris, France, 2016

Organized events

Peter Burek

- World Water Week, Stockholm, Sweden, August 2016
- Budapest Water Summit, Budapest, Hungary, November 2016

Guenther Fischer

- Training of the Core Group on AEZ, Food and Agriculture Organization of the UN HQ, Rome, Italy, May 2016

Naota Hanasaki

- Coupled Human-Water Dynamics across Scales: Observations, Understanding, Modeling, and Management, Makuhari, Japan, May 2016

Simon Langan

- Stockholm World Water Week, Water Energy Food workshop, Stockholm, Sweden, August 2016
- Co-coordinator of the water risk workshop and field visit Iran, October 2016
- Coordinator of side event, Bringing solutions for a sustainable water futures, Budapest Water Summit, Budapest, Hungary, November 2016

Piotr Magnuszewski

- Water Games at WorldWaterDay

Somayeh Shadkam

- IIASA/Iran water-risk workshop, Tehran, Iran, October 2016

Laixiang Sun

- International Workshop on Coastal Cities at Risk: Climate Change Adaptation and Resilience, London, UK, March 2016
- High-level Symposium of Chinese Academy of Engineering on: Impact of Climate Change on Urban Rainstorms/compound disasters and adaptation strategy, Shanghai, China, September 2016

Yoshihide Wada

- Primary convener for the session Global and Regional Water-Food-Energy Security Under Changing Environments at the American Geophysical Union Fall Meeting, San Francisco, USA, December 2016
- Co-convener for the session: Progress in Water Cycle from Satellite Data and Modeling at Global, Regional and Catchment Scales in a Changing World at the American Geophysical Union Fall Meeting, San Francisco, USA, December 2016
- Co-convener for the session: The Water-Energy-Food Nexus Approach in Support of Water Security at the Asia Oceania Geosciences Society 13th Annual Meeting in Beijing, China, July-August 2016

Advisory boards

Taher Kahil

- Research group: Sustainability of Engineered Rivers in Arid Lands
- Working group: Water Abstraction License Reform

Simon Langan

- Academic Advisory Board member, China Center for Agricultural Policy, Peking University, China

Luzma Fabiola Nava

- Senior Fellow of the Water Culture Institute
- Member of the Waterfuture/Water Ethics Working Group

Laixiang Sun

- China Federation of Returned Overseas Chinese
- Shanghai Climate Change Research Centre

Yoshihide Wada

- World Resources Institute Global Aqueduct Atlas
- NASA water resources data evaluation
- Japan Association of Groundwater Hydrology

Editorships

Naota Hanasaki

- *Journal of Japan Society of Hydrology and Water Resources*
- *Journal of Japan Society of Civil Engineers, Ser. G (Environmental Research)*

Luzma Fabiola Nava

- Conference Proceedings Editor. *La gouvernance de l'eau dans les Amériques* e-book.

Laixiang Sun

- Editorial Board Member, *Management Decision*
- Editorial Board Member, *Journal of Chinese Economic and Business Studies*
- Editorial Board Member, *Journal of Resources and Ecology*