

Scientific Recognition: Water

Awards

Yoshi Wada

- American Geophysical Union (AGU) Hydrologic Science Early Career Award
- European Geoscience Union (EGU) Arne Richter Award for Outstanding Early Career Scientists
- The Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology of Japan (MEXT), The Young Scientists' Prize
- Recognized as Global Highly Cited Researcher 2018. List of Influential Scientific Researchers with multiple papers ranking in the top 1% by citations for their field and year published by Clarivate Analytics

Klaus Hubacek

- Recognized as Global Highly Cited Researcher 2018. List of Influential Scientific Researchers with multiple papers ranking in the top 1% by citations for their field and year published by Clarivate Analytics

Invited lectures

Simon Langan

- Water Futures and Solutions, World Water Forum, Brasilia, Brazil, March 2018
- Integrated Solutions for water Energy and Land, Lahore University of Management Sciences, Pakistan, March 2018
- Water Related issues in Agriculture, Water Quality workshop, OECD/Wageningen University, Netherlands, May 2018
- Water Futures and Solutions, Monterrey International Water Forum, Monterrey, Mexico, May 2018
- Water Futures and Solutions for Latin America. Second International Seminar on Water Security, organized by the Mexican Institute of Water Technology (IMTA) in collaboration with the Inter-American Water Resources Network. IMTA, Jiutepec, Morelos, Mexico, September 2018
- Integrated Decision Support System: A framework that facilitates the integration of biophysical and economic models, 3rd international meeting on Decision support processes for participatory water management: building capacities in Latin America and the Caribbean, Bogota, Colombia, October 2018
- Current Water and Future Water: How do we Change? Water Science for Impact conference, Wageningen University, Netherlands, October 2018

Yoshi Wada

- IIASA Water Futures and Solutions Initiative: Opportunities and constraints for improved water resources management using different lenses and scales. Keynote talk, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences/IIASA joint seminar, Beijing, China, March 2018
- IIASA Water Futures and Solutions Initiative: Opportunities and constraints for improved water resources management using different lenses and scales. Keynote talk, College of Environmental Science and Engineering, Peking University/IIASA joint seminar, Beijing, China, March 2018
- Global groundwater storage variation modeling using the IIASA's Community Water Modeling Framework. Keynote talk, China's third symposium on GRACE and hydrology, Beijing, China, March 2018
- IIASA Water Futures and Solutions Initiative: Community Water Modeling and Hydro-Economic Modeling Framework. Keynote talk, School of Geographic Sciences, East China Normal University/IIASA joint seminar, Shanghai, China, March 2018
- Human-water interface in hydrological modeling: Current status and future directions. European Geophysical Union (EGU) General Assembly, Vienna, Austria, April 2018
- IIASA Water Futures and Solutions Initiative: Opportunities and constraints for improved water resources management using different lenses and scales. Keynote talk, Workshop on Highlights about the Water-Food Nexus, Politecnico di Torino in Torino, Italy, May 2018
- Challenges and opportunities for global groundwater research. Keynote lecture for NICE STEP (NISTEP) Award 2017, The Ministry of Education, Culture, Sports, Science and Technology of Japan (MEXT)/National Institute of Science and Technology Policy, Tokyo, Japan, May 2018

- Fate of water pumped from underground and contributions to sea level rise. 2018 Japan Geoscience Union (JpGU) Spring Meeting, JpGU, AGU, and EGU joint sponsored session on Climate-human system interaction (H-CG21) in Makuhari Messe, Chiba, Japan, May 2018
- IIASA Water Futures and Solutions Initiative: Opportunities and constraints for improved water resources management using different lenses and scales. Keynote talk, Resources for Future Generations 2018 Premiere Conference on Energy, Mineral, Water, The Earth: Water II - WA4: Groundwater and the Water-Energy-Food-Climate Nexus I in Vancouver, Canada, June 2018
- Estimating human and climate impacts on water resources using remote sensing and hydrological models. Keynote talk, School of Geographic Sciences, East China Normal University/IIASA joint seminar, Shanghai, China, October 2018
- Global modeling of withdrawal, allocation and consumptive use of surface water and groundwater resources. Keynote talk, College of Urban and Environmental Sciences, Peking University/IIASA joint seminar, Beijing, China, October 2018
- Water Futures and Solutions for China and Asia, 2018 American Geophysical Union (AGU) Fall meeting, Washington, DC, US, December 2018
- IIASA's Water Futures and Solutions (WFaS) Initiative: A continental-scale hydro-economic model for integrating water-energy-land nexus. 2018 American Geophysical Union (AGU) Fall meeting, Washington, DC, US, December 2018

Günther Fischer

- Agro-Ecological Zoning: NAEZ Data and Assessment Steps, EBA Project workshop, Ankara, Turkey, January 2018
- State of science on assessment in agriculture under climate change: NAEZ Assessment Steps and Applications. Sharm El Sheikh, Egypt, April 2018
- Assessment of agriculture under climate change: Exploring the Water-Energy-Food Nexus. International workshop on Sustainable Food Systems under Climate Change in South Asia, Islamabad, Pakistan, June 2018
- Assessment of agriculture under climate change: NAEZ Assessment Steps and Applications. State Key Laboratory of Cryospheric Science, Lanzhou, China, July 2018
- Impacts and adaptation in agro-ecological zones under climate change: Exploring the Water-Energy-Food Nexus. International workshop on Cryospheric Changes and their Regional and Global Impacts, Dunhuang, China, July-August 2018
- Progress and current status: NAEZ Assessment Afghanistan. Workshop on Development of a Data Integration and Analysis Tool for Agricultural Land Use Planning Afghanistan, Istanbul, Turkey, September 2018
- Introduction to National Agro-ecologic Zoning. Final project workshop on Agricultural Implications for Ecosystem Based Adaptation (EBA) to Climate Change in Steppe Ecosystems, Konya, Turkey, December 2018
- NAEZ Assessment Steps and Applications. Final project workshop on Agricultural Implications for Ecosystem Based Adaptation (EBA) to Climate Change in Steppe Ecosystems, Konya, Turkey, December 2018

Robert Burtscher

- Status report presentation on WFaS East Africa work. Lake Victoria Basin Commission, Kisumu, Kenya, August 2018
- Overview of IIASA Water Program's work in East Africa. Ministry of Water and Sanitation: Water Futures and Solutions Initiative, Nairobi, Kenya, August 2018

Peter Greve

- Terrestrial hydroclimatology and climate change, American Geophysical Union, Washington DC, US, December 2018

Klaus Hubacek

- Global Carbon Inequality and Climate Change Adaptation and Mitigation. Invited presentation at the China Association for Science and Technology forum on Ecology and Energy. Challenges and Opportunities. Beijing, China, June 2018
- The carbon costs of the American dream: Big data, geo-demographics and global value chains. Huazhong University of Science and Technology, Wuhan, China, June 2018
- Local to Global: Economic and Environmental Trade-offers Towards a Low Carbon Future. Invited keynote at the Belt and Road Initiative and Global Value Chain Forum, School of Economics and Trade, University of Hunan, Changsha, China, June 2018
- The carbon costs of the American dream: Big data, geo-demographics and global value chains. Hubei School of Economics, Changsha, China, June 2018
- Local to global economic and environmental trade-offs towards a low carbon future. Nanjing University, Nanjing, China, June 2018
- Local to global economic and environmental trade-offs towards a low carbon future. Zijing Forum, Tsinghua University, Beijing, China, June 2018
- Local to global economic and environmental trade-offs of the food-energy-water-ecosystem nexus. Beijing Normal University, Beijing, China, June 2018

- Global Unequal Environmental Exchange. Invited keynote speaker at symposium on Transdisciplinary Sustainability Science, Temple University, US, March 2018

Piotr Magnuszewski

- Water Modelling Approaches to Egyptian Academics: Introduction and exploration of projects and modelling approaches in the IIASA Water Program. Capacity Building Event at the Academy of the Scientific Research and Technology, Cairo, Egypt, January 2018
- First Scenario development workshop of the Indus case study in the ISWEL project. Lahore University of Management Sciences (LUMS), Center for Water Informatics and Technology, Lahore, Pakistan, March 2018
- Designing and facilitating scenario workshop with stakeholders
- Facilitating the Water-Food-Energy Nexus Game
- Managing systems under stress: Science for solutions in the Indus Basin. Scenario development workshop at the 3rd Indus Basin Knowledge Forum (ISWEL project), Vienna, Austria, May 2018
- Scenario development workshop for the Zambezi River (ISWEL Project) in collaboration with the Zambezi Watercourse Commission (ISWEL project), Harare, Zimbabwe, July 2018
- Designing and facilitating a strategic simulation with stakeholders,
- Nexus Game as a part of the capacity building session for the young researchers.
- Nexus Game at the Southern African Systems Analysis Centre's Emerging Researchers Program, Wits Rural Facility, South Africa, August 2018
- Nexus Game workshop at 9th Global Environment Facility Biennial International Waters Conference, Marrakech, November 2018

Laixiang Sun

- Mitigating the increasing risks of urban flooding in central Shanghai: options and analysis. Decision Making under Deep Uncertainty (DMDU) approaches to the issues of megacities. Organizer of a session at the DMDU 2018 Annual Meeting in Los Angeles, US, November 2018
- Development of an integrated urban framework for climate services in the Yangtze River Delta region: Progresses and next steps. Plenary presentation at the 5th UK-China Climate Science for Service Partnership for China (CSSP-China) Annual Workshop on The Golden Thread between Science and Service, Shanghai Meteorological Service, Shanghai, China, October 2018
- Changes in Global trade patterns contradict global mitigation efforts. Invited keynote presentation at the US-China Joint Workshop on Modeling the Nexus of Food, Energy, and Water Systems, Renmin University of China, Beijing, July 2018
- Changes in Global trade patterns contradict global mitigation efforts. Opening keynote presentation at the 4th Urban Development and Ecological Management Symposium on Energy-Water Nexus towards Synergetic Urban Management, Beijing Normal University, China, June 2018

Ted Veldkamp

- Identifying and characterizing drought and water scarcity risk: Usability of global data and models, European Geosciences Union, Vienna, Austria, April 2018

Barbara Willaarts

- III International Workshop on Tools to support participatory water management: Developing capacities in Latin America and the Caribbean, Bogota, Columbia, October 2018
- Stop the buzzword: closing persistent gaps in the implementation of the Water-Energy-Food Nexus. Water for Impact Conference, Wageningen, Netherlands, October 2018

Organized Events

Simon Langan

- Coconvenor of Sharing Theme (with UNESCO), World Water Forum, Brasilia, Brazil, March 2018
- Water Futures and Solutions. Workshop at World Water Forum, Brasilia, Brazil, March 2018
- Coorganiser of Indus Basin Knowledge Forum (as input to ISWEL), Laxenburg, Austria, June 2018
- Coorganiser of Pollution-driven water scarcity for ecosystems and human uses worldwide, Stockholm World Water Week, Sweden, September 2018

Yoshi Wada

- Coconvenor for the session H065: Groundwater, Climate and Adaptation to Hydrological Extremes. American Geophysical Union (AGU) Fall meeting, Washington, DC, US, December 2018

- Coconvener for the session H009: Advances in large-scale modeling and remote sensing of climate-hydrology-human interactions toward sustainable land-water resource management. AGU Fall meeting, Washington, DC, US, December 2018
- Coconvener for the session GC054: Energy-Water-Land Systems under Climate Variability and Change. AGU Fall meeting, Washington, DC, US, December 2018
- Coconvener for the session Water Scarcity Atlas. World Water Week (WWW), Stockholm, Sweden, August 2018
- Coconvener for the session Pollution-driven water scarcity for ecosystems and human uses worldwide. WWW, Stockholm, Sweden, August 2018
- Coconvener for the session Water Cycle over the Breadbaskets: Cities, Agriculture and Environment. 8th Global Energy and Water Exchanges project (GEWEX) Science Conference: Extremes and Water on the Edge in Canmore, Alberta, Canada, May 2018
- Coconvener for the session HS1.6 Recent advancement in estimating global, continental and regional scale water balance components. European Geosciences Union General Assembly, Vienna, Austria, April 2018

Günther Fischer

- Assessment of agriculture under climate change: NAEZ Assessment Steps and Applications. Visit of MFAL Turkey Delegation to IIASA, Laxenburg, Austria, April 2018
- Presentations at NAEZ-Afghanistan capacity building workshop, Dubai, UAE, May 2018:
 - Lecture 1: Overview: NAEZ Assessment Steps and Applications
 - Lecture 2: NAEZv4-Module 1
 - Lecture 3: NAEZv4-Module 2-3
 - Lecture 4: NAEZv4-Module 4
 - Lecture 5: NAEZv4-Module 5 and 5+

Robert Burtscher

- Contributions to the Water Policy of the Austrian Development Cooperation. Federal Ministry for Foreign and European Affairs, May and October 2018
- Scaling out Resilient Water and Agricultural Systems (ScaleWAYS). Project planning workshop in collaboration with the Lake Victoria Basin Commission and ICRISAT, Kisumu, Kenya, August 2018
- Water Futures and Solutions Initiative: East Africa Future Water Scenarios to 2050. Consultation and Joint Learning Workshop, Entebbe, Uganda, December 2018

Ted Veldkamp

- Coorganizer ISIPEDIA Indicator Development workshop, Krakow, Poland, November 2018
- Organizer ISIPEDIA cross-sectoral workshop, PIK Potsdam, Germany, September 2018
- Coconvener for the session H42C Drought: Dynamics, Impacts, Resilience, and Mitigation II. American Geophysical Union (AGU) Fall meeting, Washington, DC, US, December 2018
- Coconvener for the session NH44B Research, Risk Analysis, Monitoring, Forecasting, and Mitigation of Natural Hazards in a Dynamic, Changing World. AGU Fall meeting, Washington, DC, US, December 2018
- Coconvener for the session HS1.6 Recent advancement in estimating global, continental and regional scale water balance components. European Geosciences Union General Assembly in Vienna, Austria, April 2018
- Coconvener for the session NH9.3 Human behavioral dynamics into Risk Assessment Modelling and Risk Reduction Strategies. EGU General Assembly in Vienna, Austria, April 2018

Barbara Willaarts

- Identifying water, energy, and land Nexus challenges in the Indus (India Country perspective). New Delhi, India, March 2018
- Identifying water, energy, and land Nexus challenges in the Indus (Pakistan Country perspective). New Delhi, India, March 2018
- Managing Systems Under Stress: Science for Solutions in the Indus Basin. Scenario Development Workshop, 3rd Indus Basin Knowledge Forum (ISWEL project), Vienna, Austria, May 2018
- Scenario Development Workshop for the Zambezi River (ISWEL project) in collaboration with the Zambezi Watercourse Commission within the ISWEL project, Harare, Zimbabwe, July 2018

Other Events, Capacity Building

- Water training workshop held at Egyptian Academy of Scientific Research and Technology, Cairo, Egypt, January-February 2018. Simon Langan, Piotr Magnuszewski, Sylvia Tramberend, and Yusuke Satoh convened lectures and hands on training sessions on water modelling and nexus approaches including CWATM-ECHO, GAEZ, and 'game' water simulations.

Advisory boards

Simon Langan and Yoshi Wada

- World Water Council Governing Board

Klaus Hubacek

- International Input-output Association
- Intergovernmental Panel on Climate Change (IPCC)

Laixiang Sun

- Expert Advisor, China Federation of Returned Overseas Chinese
- Executive Chairman of the Academic Committee, Shanghai Climate Change Research Centre, Shanghai Meteorological Bureau, Shanghai, China
- Expert Advisor, Shenzhen Institute of Sustainable Development

Editorships

Yoshi Wada

- Editorial Board, *One Earth*
- Editorial Board, *Environmental Research Communications*
- Associate Editor, *Water Resources Research*
- Associate Editor, *Hydrological Research Letters*
- Special Section Organizers of *Water Resources Research* (AGU) Hydrology delivers Earth System Sciences to Society (HESS4): Improving and Integrating Knowledge across Disciplines on Global Energy, Water and Carbon Cycles

Klaus Hubacek

- Editorial Board Member, *Socio-Ecological Practice Research* (SEPR)
- Editorial Board Member, *Nature*
- Founding Associate Editor, *Energy, Ecology and Environment*
- Founding Associate Editor, *Nature*
- Associate Editor, *Industrial Ecology*
- Editorial Board Member, *Applied Energy*
- Editorial Board Member, *Environments*
- Editorial Board Member, *Journal of Economic Analysis*
- Editorial Board Member, *Sustainability: Science, Practice and Policy*
- Editorial Board Member, *Journal of Economic Structures*

Julian Hunt

- Guest Editor, special issue "Technological Innovation for Sustainable Development", *International Journal of Innovation and Sustainable Development*

Laixiang Sun

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

Ting Tang

- Editorial Board Member, *New Water Policy and Practice Journal*