

2016 AGU Fall Meeting Scientific Program

Global Environment Change

Topic	Number	Session	CoSponsors	CoOrganized	Date	StartTime	EndTime	Room	Property
Global Environmental Change	GC11A	Climate and Environmental Changes in Arid Central and East Asia I Posters	PP		12/12/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC11B	Current and Future Hydroclimate Changes I Posters			12/12/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC11C	Interdisciplinary Approaches to Sustaining Agriculture in a Water-Poor World Posters			12/12/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC11D	Linking Climate Drivers to Biological Response from Species to Ecosystems I Posters	B		12/12/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC11E	Natural and Anthropogenic Drivers of Hydroclimatic Change in Western North America I	A,H,PP,SI	H,PP	12/12/2016	8:00:00	10:00:00	3003	Moscone West
Global Environmental Change	GC11F	The Third Pole Environment (TPE) under Global Changes I	A,B,C,H		12/12/2016	8:00:00	10:00:00	3005	Moscone West
Global Environmental Change	GC12A	Human and Ecosystem Health in a Changing World I	A,B,PA,SI		12/12/2016	10:20:00	12:20:00	2020	Moscone West
Global Environmental Change	GC12B	Quantitative Methods for Addressing Model Uncertainties in Climate and Hydrology Projections and Prioritizing Measurement Needs I	A,H,NH	A,H,NH	12/12/2016	10:20:00	12:20:00	3003	Moscone West
Global Environmental Change	GC12C	The Third Pole Environment (TPE) under Global Changes II	A,B,C,H		12/12/2016	10:20:00	12:20:00	3005	Moscone West
Global Environmental Change	GC13A	Betting on Climate Change: Prediction Markets, Risk Assessment, Insurance, Scientific Consensus, and Policy Decisions Posters	NH,PA,SI	SI	12/12/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Global Environmental Change	GC13B	Human and Ecosystem Health in a Changing World II Posters	A,B,PA,SI		12/12/2016	13:40:00	18:00:00	Poster Hall	Moscone South

Global Environmental Change	GC13C	Impacts of Climate Change on Watershed Scale Hydrologic Processes in the Pacific Rim Region Posters			12/12/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Global Environmental Change	GC13D	Livestock, Land Use, and the Environment Posters	B		12/12/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Global Environmental Change	GC13E	Natural and Anthropogenic Drivers of Hydroclimatic Change in Western North America II Posters	A,H,PP,SI	H,PP	12/12/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Global Environmental Change	GC13F	Quantitative Methods for Addressing Model Uncertainties in Climate and Hydrology Projections and Prioritizing Measurement Needs II Posters	A,H,NH	A,H,NH	12/12/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Global Environmental Change	GC13G	Techniques for Identifying Signals and Diagnosing Their Causes in Geophysical and Environmental Data Posters			12/12/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Global Environmental Change	GC13H	Current and Future Hydroclimate Changes II			12/12/2016	13:40:00	15:40:00	3003	Moscone West
Global Environmental Change	GC13I	Linking Climate Drivers to Biological Response from Species to Ecosystems II	B		12/12/2016	13:40:00	15:40:00	3001	Moscone West
Global Environmental Change	GC13J	The Third Pole Environment (TPE) under Global Changes III	A,B,C,H		12/12/2016	13:40:00	15:40:00	3005	Moscone West
Global Environmental Change	GC14A	Climate and Environmental Changes in Arid Central and East Asia II	PP		12/12/2016	16:00:00	18:00:00	3001	Moscone West
Global Environmental Change	GC14B	Current and Future Hydroclimate Changes III			12/12/2016	16:00:00	18:00:00	3003	Moscone West
Global Environmental Change	GC21A	Advancing Science of the Arctic System through Integration and Coordination of Observations and Modeling I Posters	A,C,H,OS	A,C,H,OS	12/13/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC21B	Assessing Impacts of Land Use and Land Cover Change in a Changing Climate using Modeling and Measurements I Posters	B		12/13/2016	8:00:00	12:20:00	Poster Hall	Moscone South

Global Environmental Change	GC21C	Carbon Monitoring Systems Research and Applications I Posters	B,OS,PA		12/13/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC21D	Climate Change Impacts on Inland Waters I Posters			12/13/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC21E	Impacts and Mitigation for 1.5°C Warming and Other Warming Targets I Posters	PA,SI		12/13/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC21F	Sustained Observations of Rapid Arctic Change: Scientific and Technological Advances, Observing System Design and Implementation, Findings from Long-Term Observations Posters	A,B,C,OS		12/13/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC21G	The Second State of the Carbon Cycle Report (SOCCR-2): Assessing the Last Decades' Science of the Carbon Cycle across North America and Adjacent Oceans I Posters	A,B,OS,SI	B	12/13/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC21H	The Third Pole Environment (TPE) under Global Changes IV Posters	A,B,C,H		12/13/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC21I	Arctic Environmental Change: Local, Regional, Global Drivers and Impacts I			12/13/2016	8:00:00	10:00:00	3005	Moscone West
Global Environmental Change	GC21J	Negative Emissions: Staying Below 2°C I	A,B,OS,PA		12/13/2016	8:00:00	10:00:00	3003	Moscone West
Global Environmental Change	GC22A	Carbon Cycle Science and Deep Decarbonization I	A,OS,PA,SI		12/13/2016	10:20:00	12:20:00	3003	Moscone West
Global Environmental Change	GC22B	Deltas and Sea-Level Rise: Geological and Social-Ecological Perspectives I	EP,NH,OS,T	EP,NH,OS,T	12/13/2016	10:20:00	12:20:00	3018	Moscone West
Global Environmental Change	GC22C	Use of Earth Observations in Mitigating Major Environmental Challenges in South and Southeast Asia I	ED,H,NH,SI		12/13/2016	10:20:00	12:20:00	3016	Moscone West
Global Environmental Change	GC23A	Arctic Environmental Change: Local, Regional, Global Drivers and Impacts II Posters			12/13/2016	13:40:00	18:00:00	Poster Hall	Moscone South

Global Environmental Change	GC23B	Carbon Cycle Science and Deep Decarbonization II Posters	A,OS,PA,SI		12/13/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Global Environmental Change	GC23C	Negative Emissions: Staying Below 2°C II Posters	A,B,OS,PA		12/13/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Global Environmental Change	GC23D	Deltas and Sea-Level Rise: Geological and Social-Ecological Perspectives II Posters	EP,NH,OS,T	EP,NH,OS,T	12/13/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Global Environmental Change	GC23E	Scenario Approaches to Understand Arctic Futures Posters	C,PA		12/13/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Global Environmental Change	GC23F	System of Systems Approaches to Assess Impacts of the Coastal Dynamics of Sea Level Rise in Low Gradient Coastal Landscapes Posters			12/13/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Global Environmental Change	GC23G	Use of Earth Observations in Mitigating Major Environmental Challenges in South and Southeast Asia II Posters	ED,H,NH,SI		12/13/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Global Environmental Change	GC23H	Advancing Science of the Arctic System through Integration and Coordination of Observations and Modeling II	A,C,H,OS	A,C,H,OS	12/13/2016	13:40:00	15:40:00	3005	Moscone West
Global Environmental Change	GC23I	Assessing Impacts of Land Use and Land Cover Change in a Changing Climate using Modeling and Measurements II	B		12/13/2016	13:40:00	15:40:00	3001	Moscone West
Global Environmental Change	GC23J	Climate Change Impacts on Inland Waters II			12/13/2016	13:40:00	15:40:00	3003	Moscone West
Global Environmental Change	GC23K	The Second State of the Carbon Cycle Report (SOCCR-2): Assessing the Last Decades' Science of the Carbon Cycle across North America and Adjacent Oceans II	A,B,OS,SI	B	12/13/2016	13:40:00	15:40:00	3007	Moscone West
Global Environmental Change	GC24A	Advancing Science of the Arctic System through Integration and Coordination of Observations and Modeling III	A,C,H,OS	A,C,H,OS	12/13/2016	16:00:00	18:00:00	3005	Moscone West

Global Environmental Change	GC24B	Assessing Impacts of Land Use and Land Cover Change in a Changing Climate using Modeling and Measurements III	B		12/13/2016	16:00:00	18:00:00	3001	Moscone West
Global Environmental Change	GC24C	Carbon Monitoring Systems Research and Applications II	B,OS,PA		12/13/2016	16:00:00	18:00:00	3007	Moscone West
Global Environmental Change	GC24D	Impacts and Mitigation for 1.5°C Warming and Other Warming Targets II	PA,SI		12/13/2016	16:00:00	18:00:00	3003	Moscone West
Global Environmental Change	GC31A	Advances in Integration of Earth System Dynamics and Social System Models Posters	EP,H,PA,SI		12/14/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC31B	Multisector Multiscale Modeling to Address Integrated Human-Earth System Dynamics I Posters			12/14/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC31C	Climate-Influenced Species Range Shifts: Where Are We Headed? I Posters	B		12/14/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC31D	Earth's Energy Imbalance and Energy Flows through the Climate System I Posters	A,OS		12/14/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC31E	International Transdisciplinary Approaches toward Resilience and Adaptation for Societal, Managed, and Natural Systems: Case Studies on Coastal Vulnerability and Freshwater Security I Posters	PA		12/14/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC31F	Interpretation and Uncertainty in Climate, Earth System, Integrated Assessment, and Impact Models and Observations I Posters	A,EP,PP,SI		12/14/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC31G	New Approaches to Sustained Climate Assessment in the U.S.: Progress, Collaborations across Scales, and Tools I Posters	PA,SI		12/14/2016	8:00:00	12:20:00	Poster Hall	Moscone South

Global Environmental Change	GC31H	Permafrost Degradation and Its Interrelations with Physical, Socioecological, and Socioeconomical Processes I Posters	B,C,PP,SI	B,C	12/14/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC31I	Multidisciplinary Assessments of Radiation Management Geoengineering II	A,PA		12/14/2016	8:00:00	10:00:00	3005	Moscone West
Global Environmental Change	GC31J	Natural- and Human-Induced Impacts on the Terrestrial Water Cycle and Implications for Water Resources I	A,H,PA	A,H	12/14/2016	8:00:00	10:00:00	3003	Moscone West
Global Environmental Change	GC31K	Bolin Lecture			12/14/2016	9:00:00	9:55:00	104	Moscone South
Global Environmental Change	GC32A	Environmental, Socioeconomic, and Climatic Changes in Northern Eurasia and Their Feedbacks to the Global Earth System and Society I	B,C,H,SI		12/14/2016	10:20:00	12:20:00	3012	Moscone West
Global Environmental Change	GC32B	Global Environmental Change New Fellows Lectures			12/14/2016	10:20:00	12:20:00	3003	Moscone West
Global Environmental Change	GC32C	Semi-arid Shrublands under Changing Climates I			12/14/2016	10:20:00	12:20:00	3005	Moscone West
Global Environmental Change	GC33A	Environmental, Socioeconomic, and Climatic Changes in Northern Eurasia and Their Feedbacks to the Global Earth System and Society II Posters	B,C,H,SI		12/14/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Global Environmental Change	GC33B	Multidisciplinary Assessments of Radiation Management Geoengineering I Posters	A,PA		12/14/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Global Environmental Change	GC33C	Natural- and Human-Induced Impacts on the Terrestrial Water Cycle and Implications for Water Resources II Poster	A,H,PA	A,H	12/14/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Global Environmental Change	GC33D	Semi-arid Shrublands under Changing Climates II Posters			12/14/2016	13:40:00	18:00:00	Poster Hall	Moscone South

Global Environmental Change	GC33E	International Transdisciplinary Approaches toward Resilience and Adaptation for Societal, Managed, and Natural Systems: Case Studies on Coastal Vulnerability and Freshwater Security II	PA		12/14/2016	13:40:00	15:40:00	3001	Moscone West
Global Environmental Change	GC33F	Multisector Multiscale Modeling to Address Integrated Human-Earth System Dynamics II			12/14/2016	13:40:00	15:40:00	3003	Moscone West
Global Environmental Change	GC33G	Permafrost Degradation and Its Interrelations with Physical, Socioecological, and Socioeconomical Processes II	B,C,PP,SI	B,C	12/14/2016	13:40:00	15:40:00	3005	Moscone West
Global Environmental Change	GC34A	Climate-Influenced Species Range Shifts: Where Are We Headed? II	B		12/14/2016	16:00:00	18:00:00	3012	Moscone West
Global Environmental Change	GC34B	Earth's Energy Imbalance and Energy Flows through the Climate System II	A,OS		12/14/2016	16:00:00	18:00:00	3001	Moscone West
Global Environmental Change	GC34C	Interpretation and Uncertainty in Climate, Earth System, Integrated Assessment, and Impact Models and Observations II	A,EP,PP,SI		12/14/2016	16:00:00	18:00:00	3003	Moscone West
Global Environmental Change	GC34D	New Approaches to Sustained Climate Assessment in the U.S.: Progress, Collaborations across Scales, and Tools II	PA,SI		12/14/2016	16:00:00	18:00:00	3005	Moscone West
Global Environmental Change	GC41A	Advances in GNSS Remote Sensing of Atmosphere, Land, and Ocean Posters	H	A,G	12/15/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC41B	Climate Variability and the African Environment, Water Resources, and Food Security I Posters			12/15/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC41C	Geological Carbon Sequestration Optimization via Injection Scenario Management Posters			12/15/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC41D	Multifrequency Interferometric SAR for Forest Structure and Biomass Measurement Posters	B		12/15/2016	8:00:00	12:20:00	Poster Hall	Moscone South

Global Environmental Change	GC41E	Telecoupling Framework as an Integrated Platform to Capture, Study, and Manage Complexity in a Changing World Posters			12/15/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC41F	Advancing Greenhouse Gas Emission Inventories in the Agriculture, Forestry, and Other Land Use Sector for Reporting to the United Nations Framework Convention on Climate Change I	B,IN,PA,SI		12/15/2016	8:00:00	10:00:00	3001	Moscone West
Global Environmental Change	GC41G	Global and Regional Water-Food-Energy Security under Changing Environments I	B,H,PA,SI	B,H,SI	12/15/2016	8:00:00	10:00:00	3003	Moscone West
Global Environmental Change	GC41H	The Arctic Freshwater System: Past, Present, and Future I	A,C,H,OS		12/15/2016	8:00:00	10:00:00	3005	Moscone West
Global Environmental Change	GC41I	The Role of Fire in the Earth System: Understanding Drivers, Feedbacks, and Interactions with the Land, Atmosphere, and Society I	A,B,NH		12/15/2016	8:00:00	10:00:00	2020	Moscone West
Global Environmental Change	GC42A	Biota and Biogeochemical Cycling: Ecological Patterns and Processes across Scales in the Arctic I	B		12/15/2016	10:20:00	12:20:00	3005	Moscone West
Global Environmental Change	GC42B	Global and Regional Water-Food-Energy Security under Changing Environments II	B,H,PA,SI	B,H,SI	12/15/2016	10:20:00	12:20:00	3003	Moscone West
Global Environmental Change	GC42C	The Role of Fire in the Earth System: Understanding Drivers, Feedbacks, and Interactions with the Land, Atmosphere, and Society II	A,B,NH		12/15/2016	10:20:00	12:20:00	3001	Moscone West
Global Environmental Change	GC43A	Advancing Greenhouse Gas Emission Inventories in the Agriculture, Forestry, and Other Land Use Sector for Reporting to the United Nations Framework Convention on Climate Change II Posters	B,IN,PA,SI		12/15/2016	13:40:00	18:00:00	Poster Hall	Moscone South

Global Environmental Change	GC43B	Biota and Biogeochemical Cycling: Ecological Patterns and Processes across Scales in the Arctic II Posters	B		12/15/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Global Environmental Change	GC43C	Global and Regional Water-Food-Energy Security under Changing Environments III Posters	B,H,PA,SI	B,H,SI	12/15/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Global Environmental Change	GC43D	Linking Water with Economy: Examining Emerging Practices, Policy, and Research in Water Footprint Assessment Posters	H,PA,SI		12/15/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Global Environmental Change	GC43E	The Arctic Freshwater System: Past, Present, and Future II Posters	A,C,H,OS		12/15/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Global Environmental Change	GC43F	Climate Variability and the African Environment, Water Resources, and Food Security II			12/15/2016	13:40:00	15:40:00	3003	Moscone West
Global Environmental Change	GC43G	Schneider Lecture			12/15/2016	13:40:00	14:35:00	2022/2024	Moscone West
Global Environmental Change	GC43H	Tyndall History of Global Environmental Change Lecture			12/15/2016	14:40:00	15:40:00	2022/2024	Moscone West
Global Environmental Change	GC44A	Climate Variability and the African Environment, Water Resources, and Food Security III			12/15/2016	16:00:00	18:00:00	3003	Moscone West
Global Environmental Change	GC44B	The Role of Fire in the Earth System: Understanding Drivers, Feedbacks, and Interactions with the Land, Atmosphere, and Society III	A,B,NH		12/15/2016	16:00:00	18:00:00	3001	Moscone West
Global Environmental Change	GC51A	Improving the Simulation of Climate Impacts on Agriculture: AgMIP and Related Research I Posters	A,B,H,PA		12/16/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC51B	Remotely Sensed Monitoring Approaches and Geophysical Modeling for improving Agricultural Resiliency I Posters	B,IN,PA		12/16/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC51C	Renewable Energy: Wind, Solar, Marine, and Open Topics I Posters	OS		12/16/2016	8:00:00	12:20:00	Poster Hall	Moscone South

Global Environmental Change	GC51D	Taking the Temperature of the Earth: Challenges, Trends, and Applications across all Earth Surface Domains I Posters			12/16/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC51E	The Role of Fire in the Earth System: Understanding Drivers, Feedbacks, and Interactions with the Land, Atmosphere, and Society IV Posters	A,B,NH		12/16/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Global Environmental Change	GC51F	Advances in Earth Observation for Agricultural Monitoring (GEOGLAM): Food Security and Early Warning I	B,PA		12/16/2016	8:00:00	10:00:00	3003	Moscone West
Global Environmental Change	GC51G	Climate Extremes and Their Implications in Impact Modeling Studies I	NH,SI	NH,SI	12/16/2016	8:00:00	10:00:00	3005	Moscone West
Global Environmental Change	GC51H	Earth Science Results from New Imaging Spectroscopy Measurements around the Globe I	A,B,C,OS		12/16/2016	8:00:00	10:00:00	3001	Moscone West
Global Environmental Change	GC52A	Earth Science Results from New Imaging Spectroscopy Measurements around the Globe II	A,B,C,OS		12/16/2016	10:20:00	12:20:00	3001	Moscone West
Global Environmental Change	GC52B	Ecosystem Recovery from Climate Extremes I	B		12/16/2016	10:20:00	12:20:00	3005	Moscone West
Global Environmental Change	GC52C	Toward Better Understanding of the Impacts of Climate Variability: From Ecosystem Processes to Agricultural Adaptation and Decision Making I	A,H,IN,SI		12/16/2016	10:20:00	12:20:00	3003	Moscone West
Global Environmental Change	GC53A	Advances in Earth Observation for Agricultural Monitoring (GEOGLAM): Food Security and Early Warning II Poster	B,PA		12/16/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Global Environmental Change	GC53B	Climate Extremes and Their Implications in Impact Modeling Studies II Posters	NH,SI	NH,SI	12/16/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Global Environmental Change	GC53C	Earth Science Results from New Imaging Spectroscopy Measurements around the Globe III Posters	A,B,C,OS		12/16/2016	13:40:00	18:00:00	Poster Hall	Moscone South

Global Environmental Change	GC53D	Ecosystem Recovery from Climate Extremes II Posters	B		12/16/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Global Environmental Change	GC53E	Toward Better Understanding of the Impacts of Climate Variability: From Ecosystem Processes to Agricultural Adaptation and Decision Making II Posters	A,H,IN,SI		12/16/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Global Environmental Change	GC53F	Improving the Simulation of Climate Impacts on Agriculture: AgMIP and Related Research II	A,B,H,PA		12/16/2016	13:40:00	15:40:00	3003	Moscone West
Global Environmental Change	GC53G	Renewable Energy: Wind, Solar, Marine, and Open Topics II	OS		12/16/2016	13:40:00	15:40:00	3001	Moscone West
Global Environmental Change	GC53H	Taking the Temperature of the Earth: Challenges, Trends, and Applications across all Earth Surface Domains II			12/16/2016	13:40:00	15:40:00	3005	Moscone West
Global Environmental Change	GC54A	Remotely Sensed Monitoring Approaches and Geophysical Modeling for improving Agricultural Resiliency II	B,IN,PA		12/16/2016	16:00:00	18:00:00	3003	Moscone West
Global Environmental Change	GC54B	Renewable Energy: Wind, Solar, Marine, and Open Topics III	OS		12/16/2016	16:00:00	18:00:00	3001	Moscone West
Global Environmental Change	GC54C	Taking the Temperature of the Earth: Challenges, Trends, and Applications across all Earth Surface Domains III			12/16/2016	16:00:00	18:00:00	3005	Moscone West