

Groundwater Sessions at the Fall 2014 AGU Meeting (32 of 110 hydrology sessions)

	Title	Number of oral session	Number of poster session	Number of abstracts
1	H43O Advances in Hydrogeology and Hydrogeophysics: Innovations in Experimental Methods, Data Processing, and Modeling	3	1	58
2	H21J Groundwater-Surface Water Interactions: Physical, Biological, and Chemical Processes	3	1	56
3	H21K Natural and Anthropogenic Contamination of Water Resources Related to Oil and Gas Production from Unconventionals: Processes, Monitoring, and Stewardship	1	1	23
4	H21L New Developments in Tracer Applications in Catchment Hydrology	1	1	20
5	H21A Coupled Hydraulic, Geochemical, and Geomechanical Processes in Carbon Storage	2	1	32
6	H21B The Role of Geoscience in Establishing a Scientific Basis for Long-Term Waste Management: The Study of Deep-Seated, Low-Permeability Groundwater Systems	0	1	15
7	H21D Response of Subsurface Hydrological and Biogeochemical Processes to Changing Climate	0	1	11
8	H21I Hydrologic Data Assimilation	1	1	20
9	H23D Linking Surface and Subsurface Hydrologic Processes to Understand Flow from Continents and Islands to the Ocean	0	1	16
10	H23E Geogenic Groundwater Contamination and Its Impact on Agriculture and Public Health	0	2	11
11	H23G Nonpoint Source Flux Impact on Groundwater, Vadose Zone, and Surface Waters: Assessment, Mechanisms, and Control Strategies	1	1	20
12	H23J New Insights into the Storage, Mobilization, and Hydrologic Transport of Legacy Contaminants	0	1	12
13	H23K Uncertainty and Sensitivity in Models and Observations and Their Impacts on Decision Making Related to Geological, Hydrological, and Environmental Applications	0	1	21
14	H31L Anthropogenic Land Subsidence Accompanying the Exploitation of Groundwater Resources: Challenges to the Sustainable Development of Water and Land Resources in Inland and Coastal Areas	1	1	22
15	H31N Mixing and Reaction Across Scales in Hydrological Systems	2	1	40
16	H31A Beyond Our Backyard: Understanding Groundwater Systems at Regional and Continental Scales	1	1	19
17	H31F Cryptic Wetlands and Incognito Streams: Connectivity of Headwaters to Downstream Receiving Waters and Impacts on Water Quality and Ecological Functions	0	1	10
18	H41G Recent Advances in Groundwater Hydrology	0	1	31
19	H43R New Developments in Soil and Groundwater Remediation: Advances in Process Understanding and Sustainability	2	1	38

20	H44D Open-Source Tools and Software Development for the Hydrological Sciences	1	0	9
21	H51Q Fracturing and Near-Fracture Processes	1	1	21
22	H51R Reactive Flow and Transport at the Pore Scale: Recent Advancements and Upscaling Approaches	1	1	25
23	H51M Contaminant Hydrogeophysics	0	1	11
24	H53M Streamflow Prediction from the Catchment to the Continental Scale	1	0	9
25	H11N Understanding the Interface Between Models and Data	2	1	35
26	H11A Water Quality of Hydrologic Systems	0	1	29
27	H11B The Ongoing Sensor Revolution in the Hydrologic Sciences: Quantifying Hot Spot and Hot Moment Controls on Water Quality Across Scales	1	1	23
28	H11C Salinization of Freshwater and Terrestrial Environments: Fate, Transport, Trends, and Impacts on Biota and Biogeochemistry and Solutions	0	1	8
29	H11H Shale Science: Coupled Processes in Hydraulic Fracturing and CO2 Sequestration	2	1	41
30	H11I China-U.S.-Europe Collaborative Research on Emerging Subsurface Flow and Transport: From Molecular to Regional Scales	0	1	7
31	H13I Dynamic Networks in the Geosciences	0	1	10
32	H14F Uncertainty and Sensitivity in Models and Observations and Their Impacts on Decision Making Related to Geological, Hydrological, and Environmental Applications	1	0	8