



International Association of Hydrogeologists
COMMISSION ON GROUNDWATER FOR DECISION MAKERS



IAH COMMISSION GROUNDWATER FOR DECISION-MAKERS (GROUNDWATER OUTREACH)

Reports, courses, presentations, publications and co-sponsored events - 2011 – 2015 reported by Commission Directors

Andrew Stone, Executive Director, American Ground Water Trust, USA

Karen G. Villholth, Senior Researcher, International Water Management Institute, South Africa

José Joel Carrillo Rivera, Professor, Universidad Nacional Autónoma de México

2015

2015 - Scientific Publication - JJ Carrillo Rivera, LA Peñuela-Arévalo, R Huizar-Álvarez, A Cardona. 2015. (Conflicts for groundwater in Mexico –in Spanish–). 2015.. Chapter in: Geografía De México, Una Reflexión Espacial Contemporánea (Coordinador). Book published by the Institute of Geography, UNAM (in press)

2015 - Scientific Publication - Carrillo-Rivera, JJ, Kachadourian, MA, y Huizar, R. 2015 The environmental dynamics of Groundwater in Mexico. Network for Cooperation in Integrated Water Resource Management for Sustainable Development in Latin America and the Caribbean. United Nations Economic Commission for Latin America and the Caribbean (ECLAC). Vol N° 41, p.5, March 2015

August 2015 - Time for trans-boundary Issues to be taken seriously
<https://www.youtube.com/watch?v=CA8DLebK8Gs> Karen Villholth video

July 2015 – Albuquerque NM – Using Brackish Aquifers (AGWT event - Commission as co-sponsor)

August 2015 – Mapping Groundwater in Africa
<https://www.youtube.com/watch?v=ErA5IYpzoMQ> Karen Villholth video

July 2015 – News report on Ramotswa Aquifer – Acid Mine Drainage
<http://www.farmersweekly.co.za/news.aspx?id=76138&h=Acid-mine-drainage-not-a-threat-to-important-Limpopo-aquifer---expert-> Karen Villholth

June 2015 – Austin TX – Aquifer Management Issues (AGWT event - Commission as co-sponsor)

June 2015 - [Groundwater drought risk in sub-Saharan Africa](#) IWMI Report - Karen Villholth

June 2015 - [Transboundary Aquifer Map for Africa](#) – CGIAR Report - Karen Villholth

May 2015 – On-line seminar – World Congress XV – Edinburgh – Web-stream
https://www.ooskanews.com/audience/2015/aquanow-audience-5_165639 Karen Villholth

May 2015 – International Day for Biodiversity Groundwater & biodiversity IWMI Report)
<http://www.iwmi.cgiar.org/2015/05/biodiversity-and-groundwater-the-hidden-link/> (Karen Villholth

May 2015 [Don't kill the goose](#) – Groundwater & Ecosystems - IWMI Report

May 2015 – San Francisco CA – Implementing Groundwater Law (AGWT event - Commission as co-sponsor)

February 2015 – Ontario CA – Groundwater Legislation (AGWT event - Commission as co-sponsor)

2014

December 2014 - Denver CO - Sustainable Groundwater (AGWT event - Commission as co-sponsor)

November 2014 [Shedding light on groundwater](#) Workshop, Sri Lanka - Karen Villholth

November 2014 - Groundwater & Irrigation - PowerPoint ICE & IWF
<http://vimeo.com/icegroup/review/112068329/3993fb553b> Karen Villholth

September 2014 - Orlando FL - Managing Florida's Aquifers (AGWT event - Commission as co-sponsor)

August 2014 - Short Course - Diploma: Agua Subterránea y sus sistemas de flujo: definición y aplicación como método integrador. MSc in Engineering. Unidad Académica de Ingeniería, Universidad de Zacatecas. Aula 40 hrs & 40 hrs distance, August 18 to 29, 2014 - José Joel Carrillo-Rivera

June 2014 - TV Project - EDUCATION, FOR DECISION MAKERS AND GENERAL PUBLIC
Media stage: by Prof. J.J. Carrillo Rivera, Institute of Geography, UNAM, Mexico
"Distribution and use of water in the world", (in Spanish) TV-project *Water: an unlimited natural source*. Programa Mirador Universitario and Edusat, with Instituto de Ecología y Coordinación Universidad Abierta y Educación a Distancia de la UNAM. 3 June, 2014. Mexico

June 2014 - TV Project "Water for everybody and forever: Management for sustainable water use in México", *Water: an unlimited natural source* (in Spanish). Programa Mirador Universitario and Edusat, with Instituto de Ecología y Coordinación Universidad Abierta y Educación a Distancia de la UNAM., Mexico.

June 2014 - [Pavelic, Paul; Villholth, Karen G.; Verma, Shilp. \(Eds.\) 2013. Sustainable groundwater development for improved livelihoods in Sub-Saharan Africa. Part 1. Water International, 38\(4\):363-503. \(Special issue with contributions by IWMI authors\).](#)

June 2014 - Groundwater and its flow systems (in Spanish) Use and appropriation of surface and groundwater: spaces of tension and conflict. (Round Table) Faculty of Philosophy and Literature, UNAM., Mexico. - José Joel Carrillo-Rivera

June 2014 - Academic meeting - International Atomic Energy Agency, Vienna, Austria. "*Isotopic approaches in defining regional recharge-discharge processes related to groundwater quality and flow patterns response in a catchment subject to intensive extraction: San Luis Potosí-City, Mexico*". Research Contract N° 17478, June, 2014

June 2014 - [Pavelic, Paul; Villholth, Karen G.; Verma, Shilp. \(Eds.\) 2013. Sustainable groundwater development for improved livelihoods in Sub-Saharan Africa. Part 1. Water International, 38\(4\):363-503. \(Special issue with contributions by IWMI authors\).](#)

June 2014 - Austin TX - Supply Uncertainty (AGWT event - Commission as co-sponsor)

May 2014 - Underground water Storage – Hydropolitic Academy – News Article
<http://www.hidropolitikakademi.org/en/is-underground-water-storage-the-answer-to-water-security.html>
Karen Villholth

May 2014 - Los Angeles CA - Groundwater Law (AGWT event - Commission as co-sponsor)

April 2014 - Newspaper - Obsoleta, la metodología para estudiar el Agua Subterránea, (Obsolete the method to study groundwater, in Spanish) EL UNIVERSAL news paper, E16 | CULTURA | Proyecto UNAM. 4th April, 2014, México DF

March 2014 - Water Policy Program of Overseas Dvt Institute – Report – Africa’s Hidden Water. Institute <http://southernafrica.iwmi.cgiar.org/2014/04/03/africas-hidden-water/> Karen Villholth

March 2014 - Water Policy Program of Overseas Dvt Institute – Report – Groundwater Food Security <http://www.odi.org/events/3871-world-water-day-groundwater-food-security> Karen Villholth

March 2014 - Houston TX - Oil & Gas ~ Water (AGWT event - Commission as co-sponsor)

2014 - [Altchenko, Yvan; Villholth, Karen G. 2014. Mapping irrigation potential from renewable groundwater in Africa – a quantitative hydrological approach. Hydrology and Earth System Sciences Discussions, 11\(6\):6065-6097.](#)

April 2014 - Short Course - “Groundwater Flow Systems Definition: Natural Manifestations and Controls”, 12-24 April . China University of Geosciences (Beijing). China - José Joel Carrillo-Rivera

April 2014 - Live conferences - Groundwater in preserving natural heritage (in Spanish) Postgraduate Programme in Architecture, National Autonomous University of Mexico - José Joel Carrillo-Rivera

2014 - Scientific Publication

Marchetti, ZY y Carrillo-Rivera, JJ. 2014. Tracing groundwater discharge in the floodplain of the Parana River, Argentina; implications for its biological communities. River Research and Applications. Published online: 4 Jan 2013; DOI:10.1002/rra.2629. ISSN: 1535-1459; ISSN electronic: 1535-1467; Impact Factor 2.425

February 2014 - Ontario CA - Drought Issues (AGWT event - Commission as co-sponsor)

2013

December 2013 - Denver CO - Conjunctive Use (AGWT event - Commission as co-sponsor)

November 2013 – Making the case for groundwater- IWMI Report <http://www.iwmi.cgiar.org/2013/11/making-the-case-for-groundwater/> Karen Villholth

November 2013 - Austin TX - Latin American Teacher Program (AGWT event - Commission as co-sponsor)

November 2013 - Tulare CA - San Joaquin Overdraft (AGWT event - Commission as co-sponsor)

October 2013 – Tapping Africa’s Groundwater potential - IWMI Report <http://www.iwmi.cgiar.org/2013/10/tapping-africas-groundwater-potential/> Karen Villholth

September 2013 - Orlando FL - Managing Aquifers (AGWT event - Commission as co-sponsor)

September 2013 - Pretoria, South Africa, (*Andrew Stone*)
“South African Karoo: Water & environmental issues related to proposed energy resource development”
South African Council for Geoscience Public Lecture

July 2013 - Agoura Hills CA - Hydraulic fracturing (AGWT event - Commission as co-sponsor)

July 2013 - Austin TX - Recharge & Storage (AGWT event - Commission as co-sponsor)

June 2013 - Nottingham, UK [*Andrew Stone*]
“Groundwater Advocacy: The Why and The How” Communicating Groundwater - UK Groundwater Forum and British Geological Survey, June 2013

May 2013 - Nebraska, USA [*Karen Villholth*]

"Groundwater for food production" Water for Food Conference, University of Nebraska May 2013

2013 - [Villholth, Karen G.; Tottrup, C.; Stendel, M.; Maherry, A. 2013. Integrated mapping of groundwater drought risk in the Southern African Development Community \(SADC\) Region. Hydrogeology Journal, 21\(4\):863-885. doi: <http://dx.doi.org/10.1007/s10040-013-0968-1>](#)

2013 - [Villholth, Karen G. 2013. Groundwater irrigation for smallholders in Sub-Saharan Africa ? a synthesis of current knowledge to guide sustainable outcomes. Water International, 38\(4\):369-391. \(Special issue on "Sustainable groundwater development for improved livelihoods in Sub-Saharan Africa, Part 1" with contributions by IWMI authors\). doi: <http://dx.doi.org/10.1080/02508060.2013.821644>](#)

2013 - [Villholth, Karen G.; Ganeshamoorthy, G.; Rundblad, C. M.; Knudsen, T. S. 2013. Smallholder groundwater irrigation in Sub-Saharan Africa: an interdisciplinary framework applied to the Usangu Plains, Tanzania. Hydrogeology Journal, 21\(7\):1481-1495. doi: <http://dx.doi.org/10.1007/s10040-013-1016-x>](#)

March 2013 - Austin TX - Shale-gas (AGWT event - Commission as co-sponsor)

February 2013 - Ontario CA - Alternative Water Resources (AGWT event - Commission as co-sponsor)

2012

2012 - [Pavelic, Paul; Smakhtin, Vladimir; Favreau, G.; Villholth, Karen G. 2012. Water-balance approach for assessing potential for smallholder groundwater irrigation in Sub-Saharan Africa. Water SA, 38\(3\): 399-406. \(Special edition on International Conference on Groundwater\).](#)

November 2012 - Richmond BC Canada – ASR (AGWT event - Commission as co-sponsor)

November 2012 - Austin TX - Latin American Teacher Program (AGWT event - Commission as co-sponsor)

September 2012 - Orlando FL - Aquifer Recharge (AGWT event - Commission as co-sponsor)

September 2012 - Niagara Falls IAH Congress

Andrew Stone	Ground Water Science into Water Policy: The Importance And Means Of Effective Communication With Decision-Makers
Hugh Simpson	A Collaborative Approach for Educating the Public about Groundwater Management
Martin Shepley	Groundwater resource modelling: a regulator-led national programme from England and Wales
Joel Carrillo-Rivera	Why groundwater functioning is neglected by decision makers of Mexico
Shelly Cuddy	Road Map to Consistent Guidelines for Land Development Applications
Jeff Lewis	A review of Swedish groundwater policy
Jeroen November	Accreditation of drilling companies - getting the message across
Shaminder Puri	The United Nations Law on the Use of Transboundary Aquifers – enhancing security of shared waters
David Kreamer	Ground Water and International Security
Tim Parker	Educating Elected Representatives In California: Successful Strategies That Promote Groundwater
Suzanne Pierce	Implementing Science-based Dialog for Integrated Groundwater Resource Models and Management
Karen Villholth	Groundwater management capacity support to lake, river and aquifer basin organisations of Africa
Judith Flügge	What role can early career hydrogeologists play as groundwater advocates?

August 2012 - Raleigh NC - NC Shale-gas (AGWT event - Commission as co-sponsor)

May 2012 - Columbia, Bogotá [*JJ Carrillo Rivera*]

Colombia (Bogotá, Catholic University) 6-12 May for a Groundwater Outreach & Flow Systems workshop.

March 2012 - Denmark, Copenhagen [*Andrew Stone*]

The Importance and Means of Effective Communication With Decision-Makers
Geological Survey of Denmark and Greenland – March 2012

March 2012 - Denmark, Vingsted [*Andrew Stone*]
Groundwater Science Into Water Policy: Groundwater for Decision makers, Danish National Committee Meeting - March 2012

March 2012 - Austin TX - Shale-Gas & Water Resources (AGWT event - Commission as co-sponsor)

February 2012 - Ontario CA - Aquifer Recharge (AGWT event - Commission as co-sponsor)

January 2012 - Morocco, Marrakech [*JJ Carrillo Rivera*]
Talk, "Importance of groundwater discharge areas for environmental issues identification and decision making". 5th IPWE, International perspective on water resources & the environment. January, 2012, Marrakech, Morocco.

2012 - Teacher Training Mexico [*JJ Carrillo Rivera*]
"Groundwater flow understanding" Courses directed to teachers of Geography (Social Sciences) in bachelor's schools of the National Autonomous University of Mexico (UNAM).