

Talks

2024

Külls C. & Obeidat M. (2024) Origin and processes of nitrate pollution in North-East Jordan. DFG workshop 18.-19.4. 2024, Lübeck.

2023

Krüger, N. and Külls, C.: Modeling soil moisture variations for direct groundwater recharge estimation in the critical zone, EGU General Assembly 2023, Vienna, Austria, 24–28 Apr 2023, EGU23-14754, <https://doi.org/10.5194/egusphere-egu23-14754>, 2023.

2022

Külls, C. and Bassukas, D.: Groundwater salinization dynamics - a conceptual modeling approach to prioritize water management plans in a changing environment, EGU General Assembly 2022, Vienna, Austria, 23–27 May 2022, EGU22-12667, <https://doi.org/10.5194/egusphere-egu22-12667>, 2022.

Külls, C. and Bassukas, D.: Groundwater salinization dynamics - an isotope approach, EGU General Assembly 2022, Vienna, Austria, 23–27 May 2022, EGU22-12355, <https://doi.org/10.5194/egusphere-egu22-12355>, 2022

2021

Krüger, N., Külls, C., and Kock, M.: Groundwater recharge estimates combining soil isotope profiles and classical soil water monitoring techniques, EGU General Assembly 2021, online, 19–30 Apr 2021, EGU21-9061, <https://doi.org/10.5194/egusphere-egu21-9061>, 2021.

2020

Külls, C. (2020) Hydrogeological Modelling of karstic sites and sites with complex geology by using analytical element models (AEM) and compartmental mixing cell models. Joint Conference of the SustainCoast and MEDSAL Prima projects, 28.9. 2020.

Külls, C. (2020) Application of environmental isotopes to the identification of salinization sources and processes. 2nd Joint Meeting of Medsal (online) organized by SWRI, 23.9.-24.9. 2020.

Krüger, N.; Külls, C.; Bruggeman, A.; Eliades, M.; Christophi, C.; Rigas, M. & Eracleous, T.: Groundwater recharge estimates with soil isotope profiles-is there a bias on coarse-grained hillslopes?. In: EGU General Assembly Conference Abstracts., 2020, S. 9840

2019

Külls C. (2019) Research perspectives for environmental tracers and stable isotope research. Invited talk, June 2019 (to be announced)

2018

Külls, C. (2018) Environmental Isotope Techniques for Water Flow Accounting. ERANET conference, Amman.

2017

Külls, C. (2017): Stable isotopes as indicators and early warning system for landfill pollution. IAHS 10.-14.7.

Külls, C., Bittner A., Kambinda W., Fawzy M. (2017): Integrated Water Management of Ephemeral Streams - A Dynamic Systems Approach. IAHS 10.-14.7.

Ibukun, O. & Külls C. (2017) Freshwater Security of Sub-Saharan Africa. IAHS 10.-14.7.

Külls, C. (2017): [Water Security](#) - A new concept for water management: Perspectives for Application in China. Talk given at ZUST in March/April 2017.

2016

Juli 2016: [Role of Environmental Engineers in Reaching Sustainable Development Goals – The Way Forward](#). ICER 2016, Lübeck.

18.1.2016, Fachhochschule Lübeck, Bauforum - im Rahmen der Open Faculty Lectures [Water Security in Greater Middle East \(and elsewhere\)](#)

2015

03.11.2015, Windhoek, Namibia - GIZ Training „Water Accounting Methods“

2014

Külls C. (2014) Advances in isotope techniques for resolving soil water and carbon fluxes. EUROPEAN SOCIETY for SOIL CONSERVATION, Imola (Italy), June, 23-26, 2014. Invited lecture.

Külls, C. et al. (2014) Integrated use of soil physical and water isotope methods for ecohydrological characterization of desertified areas. SSS2.2/BG2.14, European Geosciences Union, General Assembly 2014, Vienna, Austria, 27 April – 02 May 2014.

2013

Külls C. (2013) The WADE project. European Federation of Geologists. Brussels, 23.11.2013.

Külls C. (2013) '[Leitbild](#)' and indicators of Socio-Environmental Health. Global Risk Forum, Davos, 17.11. - 20.11.2013.

Külls C. & Bittner A. (2013) Passive barriers for long-term containment of Vanadium and Uranium. IMWA, Colorado, August 7-10. 2013 (accepted conf. paper)

Külls C., Bittner A. & Marx V. (2013) Strategic Assessment of Water Resources for the Erongo Uranium Province. IMWA, Colorado, August 7-10. 2013 (acc. conf. paper)

Külls C. (2013) Hydrologic Engineering and Strategic Water Resources Assessment - From Urban Systems to Regional Scale. ([Lübeck](#))

Külls C. (2013) Water Resources Assessment for a National Water Resources Masterplan. Special emphasis on a Flood Protection Strategy. Invited talk to the Cabinet of the Minister of the Environment, Rwanda.

Külls C. (2013) Ecohydrological principles in economic models of water resources in drylands and desert restoration. Vortrag auf der 2. Wissenschaftlichen Tagung der UNCCD in Bonn / Germany. [Link to session, abstract and talk on slide-share](#).

Külls C., Berkovicz S., Costantini E., Geissen V., Kvaerno S., Marton L., Ritsema C. (2013) Eco-hydrological perspective of desert restoration. UNCCD 2nd Scientific Conference 9-12 April 2013., Bonn, Germany; 04/2013. [Link to the talk on slide-share](#).

2012

Külls C. (2012) Towards social self-regulation of hydrological systems. Leonardo conference on 'Society and Hydrology, November 2012, oral pres.

Külls C. (2012) Isotopenzusammensetzung des Bodenwassers unter Welwitschia Mirabilis in der hyperariden Namib. Kolloquium des Institutes für Bodenkunde der Universität Hamburg, 16.10. 2012

Külls C. (2012) Kartographie von Wasserressourcen. Vortrag auf der Afrikatagung der deutschen Geowissenschaftler, AdG 2012 in Hamburg am 14. Juli

2012

Külls, C. (2012) Towards self-regulation of hydrological systems. Leonardo conference on 'Society and Hydrology, November 2012, oral pres.

Külls C. (2012) Kartographie von Wasserressourcen. Afrikatagung Deutscher Geowissenschaftler 2012 in Hamburg, 14. Juli 2012

2011

Külls, C. (2011): Resilience of urban water supply systems to natural hazards and systemic risks EGU General Assembly 2011, 2011; 13: EGU2011-12627 (invited).

Frey S., Külls C. & Schlosser C. (2011) New Hydrological Age Dating Techniques using cosmogenic radionuclides Beryllium-7 and Sodium-22. IAEA-NAWEB Conf. Monaco. [link to the slides](#)

Külls C. (2011) Wasser und wachsende urbane Zentren – Wege zu Nachhaltigkeit, guter Wasserqualität und Krisensicherheit. Weltwassertag 2011, Freiburg..

2010

Kuells C. (2010) The role of irrigation techniques for adaptation and sustainable improvement of agro- and farm forestry. Tuesday, 5.1., 11-12.30 Seminar Room SR 103, Faculty of Forest and Environmental Sciences-Farm

2009

Kuells C. (2009) Adaptation of Vegetation to Changes in Environmental Forcing. American Geophysical Union 2009, Session B18, Invited talk.

Kuells, C. (2009) Adaptives Management von Grundwasserressourcen – von Agenten-basierten Modellen zur impliziten Nachhaltigkeit. (Kurzfassung und Vorankündigung im Herbst 2009)

Kuells C. (2009) The role of hydrochemical data for water resources management. Talk at the Public Research Centre Henri Tudor, Technoport Schlassgoart, 66, rue de Luxembourg, P.O BOX 144, L-4002 Esch-sur-Alzette, Luxembourg on Wednesday 21. October 2009.

Kuells C. (2009) The Meaning of Monitoring. Presentation for a Jordanian Delegation of Water and Groundwater Experts invited by GTZ. Freiburg, 3.10. 2009

Davila P. & Kuells C. (2009) Combined application of ⁸⁵Kr, ³⁹Ar with CFCs in contaminated aquifers. Oral presentation in session HS3.1 of the EGU 2009 in Vienna.

Kuells C., Marx V., Bittner A., Seely M. (2009) Environmental impacts on alluvial aquifers of an ephemeral stream - Swakop / Namibia. EGU, Arid Zone Hydrology Session, Vienna.

2008

Kuells C. (2008) Interactions between man-vegetation and the hydrological cycle at large scales. Kiel, 12.-14.11.2008, Large Scale Modeling Workshop.

Kuells C. (2008) Locard's Principle and Hydrological Modeling - How environmental tracers can be used for system analysis and validation. UFZ, 26.11.2008

Külls C. (2008) Ändert sich der Wasserhaushalt der Dreisam? Beobachtungen zum Wandel und zur Stabilität eines hydrologischen Systems. Kolloquium des Zentrums für Wasserforschung am

05.12.2008

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