

Entries in bold print: invited contributions.

- CITATION METRICS Researcher ID (ISI): www.researcherid.com/rid/D-1372-2010
 Google scholar: <http://scholar.google.ch/citations?user=q-Itr2EAAAAAJ&hl=en>
 scopus: www.scopus.com/authid/detail.url?authorId=7102005081
- ARTICLES UNDER REVIEW/ REVISION Möck, C., Hunkeler, D., Brunner, P. 2014 *Tutorials as a flexible alternative to GUIs: An example for advanced model calibration using Pilot Points*. Environmental Modelling and Software
- PEER REVIEWED ARTICLES (ISI AND/OR SCOPUS) Schilling, O., Doherty, J., Yang, P., Kinzelbach, W., Brunner, P. 2014, *Using tree ring data as a proxy for transpiration to reduce predictive uncertainty of a model simulating groundwater-surface water-vegetation interactions*. Journal of Hydrology, accepted, doi:10.1016/j.jhydrol.2014.08.063
- Kropf, P., Schiller, E. Brunner, P. Hunkeler, D. Lapin, A. 2014 *Wireless Mesh Networks and Cloud Computing for Real Time Environmental Simulations* Advances in Intelligent Systems and Computing, Volume 265, 2014, pp 1-11
- Trigg, M., Cook, P.G., Brunner, P. 2014 *Groundwater fluxes in a shallow seasonal wetland: The effect of bathymetric uncertainty on predicted water and solute balances*. Journal of Hydrology, Volume 517, Pages 901912 doi:10.1016/j.jhydrol.2014.06.020.
- Xie, Y., Cook, P.G., Brunner, P., Irvine, D., Simmons, C.T. 2014, *When Can Inverted Water Tables Occur Beneath Streams?*, Groundwater. doi: 10.1111/gwat.12109
- Kaerer, D., Graf T., Cochand F., McLaren R., Therrien R., Brunner P. 2014 *Channel representation in models coupling groundwater and stream flow*. Groundwater. doi: 10.1111/gwat.12143
- Lamontagne, S., Taylor, A.R., Cook ,P.G., Crosbie, R.S., Brownbill, R., Williams, R.M., Brunner, P. 2014 *Field assessment of surface water - groundwater connectivity in a semi-arid river basin (Murray-Darling, Australia)*, Hydrological Processes, 2014, 28(4),15611572. DOI: 10.1002/hyp.9691
- Kurtz, W., Hendricks Franssen, H.J., Brunner, P., Vereecken, H. 2013 *Is high-resolution inverse characterization of heterogeneous river bed hydraulic conductivities needed and possible?* Hydrology and Earth System Sciences 17 (10), 3795-3813.
- Partington, D., Brunner, P., Frei, S., Simmons, C.T., Werner, A.D., Therrien, R., Maier, H.R., Dandy, G.C., Fleckenstein, J.H. 2013 *Interpreting streamflow generation mechanisms from integrated surface-subsurface flow models of a riparian wetland and catchment* Water Resources Research, Volume 49, Issue 9, 2013, Pages 5501-5519
- Shanfield, M., Cook, P.G., Brunner, P., McCallum, J., Simmons, C.T. 2012 *Aquifer Response to Surface Water Transience in Disconnected Streams*. Water Resources Research, VOL. 48, W11510, 8 PP., doi:10.1029/2012WR012103
- Partington, D., Brunner, P., Simmons, C.T., Therrien, R. 2012 *Evaluation of outputs from automated baseflow separation methods against simulated baseflow from a physically based, surface water-groundwater flow model*. Journal of Hydrology, Vol. 458-459, pp. 28-39, doi:10.1016/j.jhydrol.2012.06.029
- Brunner, P., Doherty, J., Simmons, C.T. 2012 *Integrated models: Uncertainty assessment and implications for data acquisition*. Water Resources Research, VOL. 48, W07513, 18 PP., 2012 doi:10.1029/2011WR011342
- Brunner, P., Simmons, C.T. 2012 *HydroGeoSphere: A Fully Integrated, Physically Based Hydrological Model*. Ground Water. 50(2)170-176. doi: 10.1111/j.1745-6584.2011.00882.x.**
- Irvine, D., Brunner, P., Hendricks Franssen, H., Simmons, C.T. 2012 *Heterogeneous or homogeneous? Implications of simplifying heterogeneous streambeds in models of losing streams*. Journal of Hydrology, 424-425(0):16-23. doi: 10.1016/j.jhydrol.2011.11.051
- Doble, R., Brunner, P., McCallum, J., Cook, P.G. 2012 *An Analysis of River Bank Slope and Unsaturated Flow Effects on Bank Storage*. Ground Water, 50(1):77-89.

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Banks, E., Brunner, P., Simmons, C. 2011 *Vegetation controls on variably saturated processes between surface water and groundwater and their impact on the state of connection*. Water Resources Research 47(11)W11517 doi: 10.1029/2011WR010544.

Brunner, P., Cook, P.G., Simmons, C.T. 2011 *Disconnected Surface Water and Groundwater: From Theory to Practice*, 49:460-467. doi: 10.1111/j.1745-6584.2010.00752.x.

Partington, D., Brunner, P., Simmons, C.T., Werner, A., Dandy, G.C., Maier, H.R., Therrien, R. 2011 *A hydraulic mixing-cell (HCM) method to quantify baseflow within physically distributed, fully coupled surface-water groundwater models*. Environmental Modelling and Software, 26(7): 886-898, doi:10.1016/j.envsoft.2011.02.007.

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Li, H.T., Brunner, P., Kinzelbach, W., Li, W.P., Dong, X.G. 2009 *Calibration of a groundwater model using pattern information from remote sensing data*. Journal of Hydrology, 377(1-2): 120-130.

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Brunner, P., Li, H.T., Li, W.P., Dong, X.G., Kinzelbach, W. 2008 *Extracting phreatic evaporation from remotely sensed maps of evapotranspiration*. Water Resources Research, 44, W08428, doi:10.1029/2007WR006063.

Cook, P.G., Wood, C., White, T., Simmons, C.T., Brunner, P. 2008 *Groundwater Inflow to a Shallow, Poorly- Mixed Wetland Estimated from a Mass Balance of Radon*. Journal of Hydrology, 354(1): 213-226.

Franssen, H.J.H., Brunner, P., Makobo, P., Kinzelbach, W. 2008 *Equally likely inverse solutions of a groundwater flow problem including pattern information from remote sensing images*. Water Resour. Res., 44, W01419, doi:10.1029/2007WR006097.

Brunner, P., Li, H.T., Li, W.P., Kinzelbach, W. 2007 *Generating electrical conductivity maps of soil by integrating measurements on the ground and remote sensing data*. International Journal of Remote Sensing, 28(15), 3341-3361.

Brunner, P., Kinzelbach, W., Hendricks-Franssen, H., Kgotlhang, L. 2007 *How Can Remote Sensing Contribute in Groundwater Modeling?* Hydrogeology Journal, 15(1), 5-18.

Brunner, P., Bauer, P., Eugster, M., Kinzelbach, W. 2004 *Using remote sensing to regionalize local precipitation recharge rates obtained from the Chloride Method*. Journal of Hydrology, Vol. 294 No.4 (241-250).

Bauer, P., Brunner, P., Alberich, C.M., Kinzelbach, W. 2004 *The use of remote sensing data in water resources management: some examples from Africa and China*. Géo-Observateur No.13, (13,24).

Kinzelbach, W., Bauer, P., Siegfried, T., Brunner, P. 2003 *Sustainable Groundwater Management - Problems and Scientific Tools*. Episodes, Vol. 26, No. 4.

Brunner, P. 2009 Book review: *G. Metternicht and J.A. Zinck, Remote Sensing of Soil Salinization: Impact on Land Management, Taylor and Francis, London (2009) ISBN 978-1-4200-6502-2*. International Journal of Applied Earth Observation and

Geoinformation, Volume 11, Issue 5, October 2009, Pages 371-372.

Brunner, P., Kinzelbach, W. 2008 *Sustainable groundwater management. The Encyclopedia of Hydrological Sciences: Part 13. Groundwater*, doi:10.1002/0470848944.hsa164.

Li, H.T., Brunner, P., Li, W.P., Kinzelbach, W., Li, X.M. 2006 *The use of the ASTER sensor for soil salinity assessment*. Hydrogeology and Engineering Geology, 35(5),75-79 (in Chinese).

Li, H.T., Li, X.M, Brunner, P., Li, W.P., Hao, A.B. 2006 *Application of electromagnetic methods to soil salinization assessment*. Hydrogeology and Engineering Geology, 33(1),95-98 (in Chinese).

Brunner, P., Khan, S., Kinzelbach, W. 2004 *Comparing different arid basins with secondary salinization: towards a unified definition of sustainability*. Journal of Experimental Botany, Vol 54,(58-59).

CONFERENCE
PRESENTATIONS
WITH REVIEWED
PROCEEDINGS

Lapin, A., Schiller, E., Kropf, P., Schilling, O., Brunner, P., Jamakovic-Kapic, A., Braun, T., Maffioletti, S. 2014 *Real-time Environmental Monitoring for Cloud-based Hydrogeological Modeling with HydroGeoSphere* Proceedings of High Performance Computing and Communications Conference, IEEE HPCC14, Paris, France

Brunner, P. 2012 *Physically based modeling in surface water-groundwater interaction: How numerical tools help understand hydrological processes*. Proceedings for the IAHR International Groundwater Symposium, Nov. 2012, Kuwait

Cook, P.G., Brunner, P., Simmons, C.T., Lamontagne, S. 2010 *What is a Disconnected Stream?* Groundwater 2010, 31 October to 4 November 2010, Canberra, Australia.

Partington, D., Werner, A.D., Brunner, P., Simmons, C.T., Dandy, G.C., Maier, H.R. 2009 *Using a fully coupled surface water - groundwater model to quantify streamflow components*. In B. Anderssen et al. (eds), 18th IMACS World Congress - MODSIM09 International Congress on Modelling and Simulation, 13-17 July 2009, Cairns, Australia. pp. 74-80. ISBN: 978-0-9758400-7-8.

Li, H.T., Kinzelbach, W., Hendricks Franssen, H.J., Brunner, P., von Boetticher, A. 2009 *Uncertainty analysis of an integrated hydrological model using the parameter statistics after automatic calibration*. Conference on Water Resources and Sustainable Development, Wuhan, China, 22- 24 Sep 2009.

Cook, P.G., Wood, C., Powell, L., Watt, E., White, T., Brunner, P., Simmons, C. 2008 *Estimating groundwater inflow to a shallow, poorly-mixed wetland using environmental tracers*. Water Down Under, Adelaide, 14-17 April 2008. ISBN 0 858 25735 1. p.1296-1306.

Brunner, P., Simmons, C.T., Cook, P. 2008 *The transition from connected to disconnected losing streams- conceptual approaches and numerical simulations*. Water Down Under, Adelaide, 14-17 April 2008. ISBN 0 858 25735 1. p. 2118-2127.

Li, H.T., Brunner, P., Kinzelbach, W. 2008 *Using remote sensing data to automatically calibrate a groundwater model*. Geophysical Research Abstracts, Vol. 10, EGU2008-A-03255. EGU General Assembly 2008, Vienna, Austria.

Kinzelbach, W., Brunner, P., von Boetticher, A., Kgotlhang, L., Milzow, C. 2007 *Sustainable Water Management in Arid and Semi-arid Regions*. GWADI, Lanzhou, China.

Brunner, P., Dong, X.G., Kinzelbach, W., Li, W.P. 2006 *Increasing downstream water resources by sustainable agriculture- an example from Xinjiang*. 9 - 13 October 2006 Beijing, China. Groundwater-present status and future task, XXXIV Congress of IAH.

Kinzelbach, W., Brunner, P., Siegfried, T. 2006 *Concepts and methods for sustainable water resources management*. Invited keynote paper, Proceedings of the XXIV Nordic Hydrological Conference, Vingsted Centret, Denmark 6 - 9 August 2006. NHP report Nr. 49, p.29-36.

Brunner, P., Kinzelbach, W., Li, W.P., Dong, X.G. 2006 *Sustainable irrigation in the Yanqi Basin, China*. In: G. Lorenzini and C.A. Brebbia (Editors). Sustainable Irrigation, September 2006. Ecology and the Environment volume 96. Wessex Institute of Technology, UK, Bologna, Italy, pp. 315-326.

Brunner, P., Kinzelbach, W., Li, W.P., Dong, X.G. 2006 *Coupled surface water/groundwater modelling for the management of soil salinity*. 3rd International Symposium on Integrated Water Re-

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- sources Management IWRM September 2006, Bochum/Germany. IAHS Publ. 317.
- Hendricks Franssen, H.J., Brunner, P., Kinzelbach, W. 2005 *Use of Geophysical and Geochemical Measurements, Remote Sensing, Monitoring and a priori Hydrological Knowledge-Inclusion of remote sensing information to improve groundwater flow modelling in the Chobe region, Botswana*. In: M.F.P. Bierkens, J.C. Gehrels and K. Kovar (Editors), ModelCARE 2005 - Calibration and reliability in groundwater modelling: From uncertainty to decision making. IAHS Press., The Hague, pp. 31-37.
- Kinzelbach, W., Bauer, P., Siegfried, T., Brunner, P. 2003 *Sustainable water management in arid environments*. In: G.a.S.e. Xi, Taylor & Francis Group, London (Editor), Research Basins and Hydrological Planning. Proceedings of an international conference. Hefei, China, Hefei, pp. 27-34.
- Brunner, P., Khan, S., Kinzelbach, W. 2003 *Comparing different arid basins with secondary salination: Towards a unified definition of sustainability*. In: S. Kang, B. Davis, L. Shan and H. Cai (Editors), International Conference on Water- Saving Agriculture and Sustainable Use of Water and Land Resources in Arid and Semiarid Areas. Shaanxi Science and Technology Press, Yanglin, China, pp. 866-877.
- Brunner, P., Eugster, M., Bauer, P., Kinzelbach, W., Makobo, P., Carlsson, L. 2002 *Assessing the Groundwater Budget for Water Supply in an Area of Low Groundwater Recharge in Northern Botswana*. Proceedings of the International Conference on Balancing the Groundwater Budget, Darwin, Australia.
- Brunner, P., Bauer, P., Kinzelbach, W. 2002 *Determination of recharge patterns by combining remote sensing and the chloride method*. In: K. Kovar (Editor), Model Care 2002: Calibration and Reliability in Groundwater Modelling. IAHS Redbook. IAHS Publications, Prag, pp. 389-395.
- Brunner, P., Schilling, O., Doherty J., Kinzelbach, W., Wang, H. 2014 *Using tree ring data in simulating the interaction between surface water, vegetation and groundwater on the lower Tarim River* International Association of Hydrogeologists 41st International conference, Marrakech, Morocco, 15-19 September 2014
- Möck, C., Brunner, P. Hunkeler, D. 2014 *Predictive Uncertainty of Groundwater Recharge under Climate Change due to GCM-RCM Combinations and Model Complexity* International Association of Hydrogeologists 41st International conference, Marrakech, Morocco, 15-19 September 2014
- Glenz, D. Renard, P. Brunner, P. 2014 *Comparison Of Pests Null Space Monte Carlo With A Bayesian Approach* geoEnv, Paris 9-11 July
- Guan, H., Cook, P.G., Simmons, C.T., Brunner, P., Gutierrez-Jurado, H., Wang, H. 2013 *A Moisture-limited ET Upper Bound and Its Application in an Evaporation Pan Based Complementary-relationship Model for ET Estimation* AGU fall meeting, 9-13 December, San Francisco
- Partington, D., Meier, H., Brunner, P. et al. 2013 *Quantifying in-stream and overland flow generation mechanisms using fully integrated flow models* MODSIM 2013, December 1-6 2013, Adelaide
- Schilling, O., Brunner, P., et al. 2013 *The cost of simplifying streambed heterogeneity under consideration of surface water dynamics*. September 15-20, International Association of Hydrogeologists Conference, Perth
- Partington, D., Brunner, P. 2013 *Quantifying in-stream and overland flow generation mechanisms using HGS*. Third International HydroGeoSphere Conference, Neuchâtel, April 3rd 5th, 2013
- Schilling, O., Kinzelbach, W., Doherty, J., Brunner, P. 2013 *Using tree rings in modeling the water cycle at the lower Tarim River, Western China*. Third International HydroGeoSphere Conference, Neuchâtel, April 3rd 5th, 2013
- Möck, C., Brunner, P., Hunkeler, D. 2013 *Uncertainty of groundwater recharges estimations caused by climate model chain variability and model simplification*. Third International HydroGeoSphere Conference, Neuchâtel, April 3rd 5th, 2013
- Ghasemzade, M. Brunner, P., Schirmer, M. 2013 *Catchment scale modeling of surface-subsurface interaction in a prealpine watershed*. Third International HydroGeoSphere Conference, Neuchâtel,

April 3rd - 5th, 2013

- Kurtz, W., Hendricks Franssen, H.J., Brunner, P., Vereecken, H. 2012 *Geostatistical characterization of spatially variable riverbed properties and its importance for parameter updating with data assimilation procedures*. GeoENV 2012, IX. Conference on Geostatistics for Environmental Applications), 19-21 September 2012, Valencia, Spain
- Shanafield, M., Brunner, P., Cook, P.G., Gianni, G. 2012 *Exploring the state of connection between surface water and groundwater using transient stream and well data*. GSA Annual Meeting, Charlotte, USA, November 4-7.
- Moeck, C., Brunner, P., Schirmer, M., Hunkeler, D. 2012 *Hydrogeological modeling of climate change impact for a small-scale groundwater reservoir*. 37th IAH Congress, Niagara Falls, Canada, September 16 - 21
- Brunner, P., Irvine D., Hendricks Franssen, H., Simmons, C.T. 2011 *Implications of simplifying heterogeneous streambeds in models simulating surface water groundwater interactions*. 9th Swiss Geoscience Meeting, Zurich, 11 to 13th November 2011.
- Kaesler, D., Brunner P., Renard, P., Perrochet, P., Schirmer, M., Hunkeler, D. 2011 *How long can groundwater sustain stream flow during droughts? The influence of stream sinuosity on bank storage in alluvial plains*. 9th Swiss Geoscience Meeting, Zurich, 11 to 13th November 2011.
- Moeck, C., Brunner, P., Schirmer, M., Hunkeler, D. 2011 *Using high resolution lysimeter data to quantify current and future recharge rates and evaluating the uncertainty*. 9th Swiss Geoscience Meeting, Zurich, 11 to 13th November 2011.
- Brunner, P., Doherty, J., Christensen, S., Simmons, C.T. 2011 *To what extent does the degree of meaningful model complexity depend on observation data?* Geological Society of America Annual Meeting in Minneapolis, 8-12 October 2011.
- Shanafield, M.A., Cook, P.G., Brunner, P., Simmons, C.T. 2011 *The influence of disconnection on aquifer response to surface water transience*. Geological Society of America Annual Meeting in Minneapolis, 8-12 October 2011.
- Banks, E., Brunner, P., Simmons, C.T. 2011 *Effects of land clearance and revegetation on the state of connection between surface water and groundwater*. 11th Australasian Environmental Isotope Conference and 4th Australasian Hydrogeology Research Conference, 12-14th July 2011, Cairns.
- Irvine, D., Brunner, P., Simmons, C.T., Hendricks Franssen, H.J. 2011 *Using HydroGeoSphere to quantify the influence of streambed heterogeneity on surface-water groundwater interaction*. Second International HydroGeoSphere User Conference 2011, April 11-13, Hannover.
- Moeck, C., Brunner, P., Hunkeler, D., Prasuhn, V., Schirmer, M. 2011 *Quantifying recharge and evaluating its uncertainty using high resolution lysimeter data*. Second International HydroGeoSphere User Conference 2011, April 11-13, Hannover.
- Brunner, P., Doherty, J. 2011 *Can physically based models be calibrated? Some insights from combining HydroGeoSphere with PEST*. Second International HydroGeoSphere Conference 2011, April 11-13, Hannover.
- Irvine, D., Brunner, P., Simmons, C., Hendricks Franssen, H. 2011 *Streambed heterogeneity and stream-aquifer connection: Implications of calibrating effective average parameter values*. EGU2011, 03 to 08 April 2011, Vienna.
- Brunner, P., Doherty, J. 2011 *How useful are head observations for constraining vadose zone models?* EGU2011, 03 to 08 April 2011, Vienna, Austria.
- Irvine, D., Brunner, P., Simmons, C.T. 2010 *Control of streambed heterogeneity on groundwater-surface water interaction for disconnected losing streams* Groundwater2010, 31 October - 4 November 2010, Canberra, Australia.
- Brunner, P., Cook, P., Simmons, C. 2008 *A method to assess the state of disconnection between surface water and groundwater*. Presentation at HydroPredict2008, Prague 15-18 September 2008.
- Brunner, P., Dong, X.G., Kinzelbach, W., Li, W.P. 2006 *Conjunctive use of ground and surface*

water as an instrument to increase downstream water resources in semi-arid environments. Water, ecosystems and sustainable development in arid and semi-arid zones, 9-11 October 2006, Urumqi, China.

Brunner, P., Kinzelbach, W., Li, H.T., Li, W.P. 2005 *Groundwater modelling in a remote Chinese Basin - How can models be improved in areas where data are scarce?* General Assembly of the European Geosciences Union 2005. European Geosciences Union (EGU), Vienna, Austria.

Brunner, P., Kinzelbach, W., Li, H.T. 2004 *Generating large scale soil salinity maps with geophysics and remote sensing.* General Assembly of the European Geosciences Union 2004, Nizza, France.

INVITED TALKS

Brunner, P. 2012 *Model-supported implementation of Water Management in Arid Regions.* Sino-German Summer School financed by DFG, Chinese National Science Foundation, hosted by TU Munich. Augsburg, September 2013

Brunner, P. 2012 *Physically based modeling in surface water-groundwater interaction: How numerical tools help understand hydrological processes.* Invited keynote at the IAHR International Groundwater Symposium, 19-21 November, 2012, Kuwait City

Hendricks Franssen, H., Kurz, W. Brunner, P., Vereecken, H. *About the importance of small scale spatial variability in coupled surface-subsurface simulations and how it can be characterized.* AGU Fall Meeting, San Francisco, 3-7 December 2012.

Brunner, P. 2011 *New developments in surface water groundwater interaction and their implications for data acquisition and modelling.* University of Basel (10.11.2011).

Therrien, R., Brunner, P. 2011 *Recent advances in the integrated simulation of surface and subsurface flow and mass transport.* Geological Society of America Annual Meeting in Minneapolis, 8-12 October 2011.

Brunner, P. 2011 *How can remote sensing contribute to groundwater modelling?* UNOSAT, Geneva, 20.10.2011.

Brunner, P. 2011 *Recent advances and new approaches to understanding and modelling surface water groundwater interaction.* UFZ, Leipzig 9.10.2011.

Therrien, R., Brunner, P., Simmons, C.T., Cook, P.G. 2009 *Physically-based modeling of water exchange between surface water and groundwater: Conceptual and applied simulations.* Key Note Lecture, AGU Fall Meeting, San Francisco, 14-18 December 2009.

Brunner, P. 2008 *Management and Modelling of Surface Water-Groundwater Resources in Western China and Australia.* Columbia University, New York.

Brunner, P. 2008 *A method to assess the state of disconnection between surface water and groundwater.* Flinders Research Center for Coastal and Catchment Environments.

Brunner, P. Kinzelbach, W. 2005 *Sustainable Agriculture in Yanqi Basin: Modelling Water and Salt Fluxes in a Semiarid Region.* Invited talk at Changchun University, China.

Brunner, P. 2005 *Water and Salt Management in the Yanqi Basin, China.* Institute of Environment and Resources, Technical University of Denmark, Lyngby, Denmark.

Brunner, P., Kgotlhang, L., Kinzelbach, W. 2004 *Remote Sensing as a Data Source for Surface-and Groundwater Modelling in Botswana.* Invited talk at the 2004 meeting of the "Tiger Initiative" European Space Agency, Pretoria (South Africa).

PHD - THESIS

Brunner, P. 2005 *Water and salt management in the Yanqi Basin, China.* PhD Thesis ETH Zurich. PhD. No. 16210, <http://e-collection.ethbib.ethz.ch/show?type=diss&nr=16210>

GUIDELINES

Brunner, P., Kinzelbach, W. 2002 *Use of spreadsheet for soil water balance method.* In: A survey of methods for analysing groundwater recharge in arid and semi-arid regions. Early Warning and Assessment Report Series. United Nations Environment Programme/UNESCO, UNEP/DEWA/RS.02-2. UNEP, Nairobi, Kenya, p. 20-21.

BOOK CHAPTERS

Kropf, P., E. Schiller, P. Brunner, O. Schilling, D. Hunkeler, and A. Lapin 2014 *Wireless Mesh Networks and Cloud Computing for Real Time Environmental Sim-*

ulations. in *Recent Advances in Information and Communication Technology*, edited by S. Boonkrong, H. Unger and P. Meesad, pp. 1-11, Springer International Publishing, doi:10.1007/978-3-319-06538-0_1.

Brunner, P. 2011 *Folgen einer intensiven Bewässerungslandwirtschaft am Beispiel des Yanqi-Beckens, China*. Warnsignal Klima: Genug Wasser für alle? third edition, in press J. L. Lozán et al. (Hrsg.)

Kinzelbach, W., Brunner, P., Kgotlhang, L., Milzow, C. 2010 *Sustainable Water Management in Arid and Semi-arid Regions*. In: Wheeler, H., Mathias, S.A., Li, X. (Eds.), *Groundwater modelling in arid and semi-arid areas*. Cambridge University Press, New York, pp. 119-129.

Brunner, P., Dong, X., Li, W.P., Kinzelbach, W. 2007 *Irrigation induced soil salinisation in the Yanqi Basin, China-modelling approaches and possible solutions*. In: J. L. Lozán, H. Gral, P. Hupfer, L. Menzel and C. Schönwiese (Editors), *GLOBAL CHANGE: Enough Water for all?*, University of Hamburg, pp. 259-262.

Brunner, P. 2004 *Folgen einer intensiven Bewässerungslandwirtschaft am Beispiel des Yanqi-Beckens, China*. Warnsignal Klima: Genug Wasser für alle? *Wissenschaftliche Auswertungen*, J. L. Lozán et al. (Hrsg.), Hamburg, p. 255-259.

Kinzelbach, W., Bauer, P., Brunner, P., Siegfried, T. 2004 *Sustainable water management in arid and semi-arid environments*. In: *Water Resources of Arid Areas*, Stephenson, Chemangand Chaoka (eds.), Taylor and Francis Group, London, p. 3-16.

VARIA

Hunkeler, D. Möck, C. Käser, D. Brunner, P. 2014 *Klimaeinflüsse auf Grundwassermengen*. *Aqua und Gas* N.11, p.1-9.

Brunner, P., Simmons, C.T., Cook, P.G. 2009 *Understanding the water connection*. *Water Engineering Australia*, Volume 3, Number 10, pages 16-17.

Brunner, P. 2006 *Wasser und Salzhaushalt in einer chinesischen Oase*. *Schaffhauser Nachrichten*, 9. September 2006, p.2.

Kinzelbach, W., Bauer, P., Siegfried T., Brunner, P. 2003 *Nachhaltige Grundwasserwirtschaft - Probleme und wissenschaftliche Werkzeuge*. *Österreichische Wasserwirtschaft*, 55(3-4).