

## ISI Journal Articles

- 1) Menk, L., Schinko, T., Karabaccek, V., Hagen, I., **Kienberger, S.**, 2022. What's at stake? A human well-being based proposal for assessing risk of loss and damage from climate change. *Frontiers in Climate*, 4, <https://doi.org/10.3389/fclim.2022.1032886>
- 2) Duscher, G.G., **Kienberger, S.**, Haslinger, K., Holzer, B., Zimpernik, I., Fuchs, R., Schwarz, M., Hufnagl, P., Schiefer, P., Schmoll, F., 2022. *Hyalomma* spp. in Austria—The Tick, the Climate, the Diseases and the Risk for Humans and Animals. *Microorganisms* 2022, 10, 1761. <https://doi.org/10.3390/microorganisms10091761>
- 3) Themessl, M., Enigl, K., Reisenhofer, S., Köberl, J., Kortschak, D., Reichel, S., Ostermann, M., **Kienberger, S.**, Tiede, D., Bresch, D.N., Rössli, T., Lehner, D., Schubert, C., Pichler, A., Leitner, M., Balas, M., 2022. Collection, Standardization and Attribution of Robust Disaster Event Information—A Demonstrator of a National Event-Based Loss and Damage Database in Austria. *Geosciences* 2022, 12, 283. <https://doi.org/10.3390/geosciences12080283>
- 4) Menk, L., Terzi, S., Zebisch, M., Rome, E., Lückerrath, D., Milde, K., **Kienberger, S.**, 2022. Climate Change Impact Chains: A Review of Applications, Challenges, and Opportunities for Climate Risk and Vulnerability Assessments. *Weather, Climate, and Society* 14, 2, 619-636, <https://doi.org/10.1175/WCAS-D-21-0014.1>
- 5) Leis, J.-L., **Kienberger, S.**, 2020. Climate Risk and Vulnerability Assessment of Floods in Austria: Mapping Homogenous Regions, Hotspots and Typologies. *Sustainability*, 12(16), 6458., <https://doi.org/10.3390/su12166458>
- 6) Menk, L., Neuwirth, C., **Kienberger, S.**, 2020. Mapping the Structure of Social Vulnerability Systems for Malaria in East Africa. *Sustainability*, 12(12), 5112., <https://doi.org/10.3390/su12125112>
- 7) Gudiyangada Nachappa, T., **Kienberger, S.**, Meena, S. R., Hölbling, D., Blaschke, T., 2020. Comparison and validation of per-pixel and object based approaches for landslide susceptibility mapping. *Geomatics, Natural Hazards and Risk*, 11:1, 572-600, <https://doi.org/10.1080/19475705.2020.1736190>
- 8) de Sherbinin, A., Bukvic, A., Rohat, G., Gall, M., McCusker, B., Preston, B., Apotsos, A., Fish, C., **Kienberger, S.**, Muhonda, P., Wilhelmi, O., Macharia, D., Shubert, W., Sliuzas, R., Tomaszewski, B., Zhang, S., 2019. Climate vulnerability mapping: A systematic review and future prospects. *WIREs Clim Change*. 2019; 10:e600., <https://doi.org/10.1002/wcc.600>
- 9) Das, T.K., Haldar, S.K., Sarkar, D., Borderon, M., **Kienberger, S.**, Das Gupta, I., Kundu, S., Guha-Sapir, D., 2017. Impact of riverbank erosion: A case study. *Australasian Journal of Disaster and Trauma Studies* 21 (2); [http://trauma.massey.ac.nz/issues/2017-2/AJDS\\_21\\_2\\_Das.pdf](http://trauma.massey.ac.nz/issues/2017-2/AJDS_21_2_Das.pdf)
- 10) Feizizadeh, B., **Kienberger, S.**, 2017. Spatially explicit sensitivity and uncertainty analysis for multicriteria-based vulnerability assessment. *Journal of Environmental Planning and Management*. <http://dx.doi.org/10.1080/09640568.2016.1269643>

- 11) **Kienberger, S.**, Spiekermann, R., Tiede, D., Zeiler, I., Bussink, C., 2016. Spatial risk assessment of opium poppy cultivation in Afghanistan: integrating environmental and socio-economic drivers. *International Journal of Digital Earth*, 1- 18, <http://dx.doi.org/10.1080/17538947.2016.1250828>
- 12) Delmelle, E., Hagenlocher, M., **Kienberger, S.**, Casas, I., 2016. A spatial model of socioeconomic and environmental determinants of dengue fever in Cali, Colombia. *Acta Tropica* 164: 169-176, <http://dx.doi.org/10.1016/j.actatropica.2016.08.028>
- 13) Cabrera-Barona, P., Blaschke, T., **Kienberger, S.**, 2016. Explaining Accessibility and Satisfaction Related to Healthcare: A Mixed-Methods Approach. *Social Indicators Research*: 1- 12, <http://dx.doi.org/10.1007/s11205-016-1371-9>
- 14) Bizimana, J.P., **Kienberger, S.**, Hagenlocher, M., Twarabamenye, E., 2016. Modelling homogeneous regions of social vulnerability to malaria in Rwanda. *Geospatial Health* 11(s1):404, <http://dx.doi.org/10.4081/gh.2016.404>
- 15) Taylor, D., Hagenlocher, M., Jones, A.E., **Kienberger, S.**, Leedale, J., Morse, A.P., 2016. Environmental change and Rift Valley fever in eastern Africa: projecting beyond HEALTHY FUTURES. *Geospatial Health* 11(s1):387, <http://dx.doi.org/10.4081/gh.2016.387>
- 16) Taylor, D., **Kienberger, S.**, Malone, J.B., Tompkins, A.M., 2016. Health, Environmental Change and Adaptive Capacity; Mapping, Examining and Anticipating Future Risks of Water-Related Vector-Borne Diseases in Eastern Africa. *Geospatial Health* 11(s1):464, <http://dx.doi.org/10.4081/gh.2016.464>
- 17) Hagenlocher, M., Hölbling, D., **Kienberger, S.**, Vanhuyse, S., Zeil, P., 2015. Spatial assessment of social vulnerability in the context of landmines and explosive remnants of war in Battambang province, Cambodia. *International Journal of Disaster Risk Reduction*. <http://dx.doi.org/10.1016/j.ijdrr.2015.11.003>
- 18) Spiekermann, R., **Kienberger, S.**, Norton, J., Briones, F., Weichselgartner, J., 2015. The Disaster-Knowledge Matrix-Reframing and evaluating the knowledge challenges in disaster risk reduction. *International Journal of Disaster Risk Reduction*, 13: 96-108. <http://dx.doi.org/10.1016/j.ijdrr.2015.05.002>
- 19) Cabrera-Barona, P., Murphy, T., **Kienberger, S.**, Blaschke, T., 2015. A multi-criteria spatial deprivation index to support health inequality analyses. *International Journal of Health Geographics*, 14(11), <http://dx.doi.org/10.1186/s12942-015-0004-x>
- 20) Breinl, K., Strasser, U., Bates, P., **Kienberger, S.**, 2015. A joint modelling framework for daily extremes of river discharge and precipitation in urban areas. *Journal of Flood Risk Management*, online, <http://dx.doi.org/10.1111/jfr3.12150>
- 21) Bizimana, J.P., Twarabamenye, E., **Kienberger, S.**, 2015. Assessing the social vulnerability to malaria in Rwanda. *Malaria Journal*, 14(2), <http://www.malariajournal.com/content/14/1/2>
- 22) **Kienberger, S.**, Hagenlocher, M., 2014. Spatial-explicit modeling of social vulnerability to malaria in East Africa. *International Journal of Health Geographics*, 13(29), <http://dx.doi.org/10.1186/1476-072X-13-29>

- 23) Lang, S., **Kienberger, S.**, Tiede, D., Hagenlocher, M., Pernkopf, L., 2014. Geons - domain-specific regionalization of space. *Cartography and Geographic Information Science*, 41 (3): 214-226. <http://dx.doi.org/10.1080/15230406.2014.902755>
- 24) **Kienberger, S.**, 2014. Participatory mapping of flood hazard risk in Munamicua, District of Búzi, Mozambique. *Journal of Maps*, 10(2). <http://dx.doi.org/10.1080/17445647.2014.891265>
- 25) Contreras, D., Blaschke, T., **Kienberger, S.**, Zeil, P., 2014. Myths and realities about the recovery of L'Aquila after the earthquake. *International Journal of Disaster Risk Reduction*, 8: 125-142. <http://dx.doi.org/10.1016/j.ijdr.2014.02.001>
- 26) Hagenlocher, M., Lang, S., Hölbling, D., Tiede, D., **Kienberger, S.**, 2014. Modeling Hotspots of Climate Change in the Sahel Using Object-Based Regionalization of Multidimensional Gridded Datasets. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing (JSTARS)*, 7 (1): 229-234. <http://dx.doi.org/10.1109/JSTARS.2013.2259579>
- 27) **Kienberger, S.**, Hagenlocher, M., Delmelle, E., Casas, I., 2013. A WebGIS tool for visualizing and exploring socioeconomic vulnerability to dengue fever in Cali, Colombia. *Geospatial Health* 8 (1): 313-316. <http://www.geospatialhealth.unina.it/v8i1/gh-v8i1-28.pdf>
- 28) Birkmann, J., Cutter, S., Rothman, D.S., Welle, T., Garschagen, M., van Ruijven, B., O'Neill, B., Preston, B., **Kienberger, S.**, Cardona, O.D., Siagian, T., Hidayati, D., Setiadi, N., Binder, C, Hughes, B., Pulwarty, R., 2013. Scenarios for Vulnerability: Opportunities and constraints in the context of climate change and disaster risk. *Climatic Change*. <http://dx.doi.org/10.1007/s10584-013-0913-2>
- 29) **Kienberger, S.**, Blaschke, T., Zaidi, R.Z., 2013. A framework for spatio-temporal scales and concepts from different disciplines: the 'vulnerability cube'. *Natural Hazards* 68(3), 1343-1369 <http://dx.doi.org/10.1007/s11069-012-0513-x>
- 30) Hagenlocher, M., Delmelle, E., Casas, I., **Kienberger, S.**, 2013. Assessing socioeconomic vulnerability to dengue fever in Cali, Colombia: statistical vs expert-based modeling. *International Journal of Health Geographics*, 12(36). <http://dx.doi.org/10.1186/1476-072X-12-36>
- 31) Wagner, W., Hahn, S., Kidd, R., Melzer, T., Bartalis, Z., Hasenauer, S., Figa-Saldaña, J. de Rosnay, P., Jann, A., Schneider, S., Komma, J., Kubu, G., Brugger, K., Aubrecht, C., Züger, J., Gangkofner, U., **Kienberger, S.**, Brcca, L., Wang, Y., Blöschl, G., Eitzinger, J., Steinnocher, K., Zeil, P., Rubel, F., 2013. The ASCAT Soil Moisture Product: A Review of its Specifications, Validation Results, and Emerging Applications. *Meteorologische Zeitschrift* 22 (1), 5–33 <http://dx.doi.org/10.1127/0941-2948/2013/0399>
- 32) Birkmann, J., Cardona, O. A., Carreño, L., Barbat, A., Pelling, M., Schneiderbauer, S., **Kienberger, S.**, Keiler, M., Zeil, P., Welle, T., 2013. Framing vulnerability, risk and societal responses: the MOVE framework. *Natural Hazards* 67 (2), 193-211. <http://dx.doi.org/10.1007/s11069-013-0558-5>
- 33) Contreras, D., Blaschke, T., **Kienberger, S.**, Zeil, P., 2013. Spatial connectivity as a recovery process indicator: The L'Aquila earthquake. *Technological Forecasting and Social Change*. <http://dx.doi.org/10.1016/j.techfore.2012.12.001>

- 34) Blaschke, T., Donert, K., Gossette, F., **Kienberger, S.**, Marani, M., Qureshi, S., Tiede, D., 2012. Virtual Globes: Serving Science and Society. *Information*, 3(3), 372-390. <http://dx.doi.org/10.3390/info3030372>
- 35) Watson, S., Petterson, M., Lang, S., **Kienberger, S.**, Hagenlocher, M., Rudge, J., Coker, R., 2012. Trans-disciplinary research to improve health systems' disaster readiness and response. *Bulletin of the World Health Organization* 2012, 90, 558-558A. <http://dx.doi.org/10.2471/BLT.12.106120>
- 36) **Kienberger, S.**, 2012. Spatial modelling of social and economic vulnerability to floods at the district level in Búzi, Mozambique. *Natural Hazards* 64(3), 2001-2019. <http://dx.doi.org/10.1007/s11069-012-0174-9>
- 37) Lang, S., Albrecht, F., **Kienberger, S.**, Tiede, D., 2010. Object validity for operational tasks in a policy context. *Journal for Spatial Science*, 55 (1), 9-22. <http://dx.doi.org/10.1080/14498596.2010.48763>
- 38) **Kienberger, S.**, Lang, S., Zeil, P., 2009. Spatial vulnerability units – expert-based spatial modelling of socio-economic vulnerability in the Salzach catchment, Austria, *Nat. Hazards Earth Syst. Sci.*, 9, 767-778. <http://www.nat-hazards-earth-syst-sci.net/9/767/2009/nhess-9-767-2009.html>

### Edited Books

- 39) Birkmann, J., **Kienberger, S.**, Alexander, D., 2014. Assessment of Vulnerability to Natural Hazards: A European Perspective. Elsevier, USA. p. 235
- 40) Zeil, P., **Kienberger, S.** (eds.), 2009. Geoinformation for Development - Bridging the divide through partnerships. University Science Press, India, p. 232
- 41) Zeil, P., **Kienberger, S.** (eds.), 2007. Geoinformation for Development - Bridging the divide through partnerships. Wichmann - Heidelberg. p. 232

### Peer-reviewed articles (book chapters, etc.)

- 42) van der Geest, K., de Sherbinin, A., **Kienberger, S.**, Zommers, Z., Sitati, A., Roberts, E., James, R., 2019. The Impacts of Climate Change on Ecosystem Services and Resulting Losses and Damages to People and Society. In: Mechler R., Bouwer L., Schinko T., Surminski S., Linnerooth-Bayer J. (eds) Loss and Damage from Climate Change. *Climate Risk Management, Policy and Governance*. Springer, Cham, [https://link.springer.com/chapter/10.1007/978-3-319-72026-5\\_9](https://link.springer.com/chapter/10.1007/978-3-319-72026-5_9)
- 43) Borderon, M., **Kienberger, S.**, Kumar, S., Oliveau, S., Das, T.K., 2017. Beyond the Lack of Data: How to Generate Spatial Data on Displaced Populations Using Global Positioning System (GPS) Loggers - The Example of Populations Displaced due to Ganges Riverbank Erosion in Malda, West Bengal, India. *GI\_Forum* 1:360–368. [https://doi.org/10.1553/giscience2017\\_01\\_s360](https://doi.org/10.1553/giscience2017_01_s360)
- 44) **Kienberger, S.**, Morper-Busch, L., Hagenlocher, M., Morse, A.P., Tompkins, A. and Taylor, D., 2016. HEALTHY FUTURES ATLAS: a publically available resource for evaluating climate change impacts on burden of water-related, vector borne diseases in eastern Africa. In: J.Shumake-Guillemot and L.Fernandez-Montoya (Eds) *Climate Services for Health: Improving public health decision-making in a new climate*. WHO/WMO special publication, Geneva, Switzerland, pp 142-146

- 45) **Kienberger, S.**, Borderon, M., Bollin, C, Jell, B., 2016. Climate change vulnerability assessment in Mauritania: reflections on data quality, spatial scales, aggregation and visualizations. In: *GI\_Forum 2016*, Volume 1, [http://dx.doi.org/10.1553/giscience2016\\_01\\_s167](http://dx.doi.org/10.1553/giscience2016_01_s167)
- 46) Thapa, R., Lang, S., Schoepfer, E., **Kienberger, S.**, Füreder, P., Zeil, P., 2015. Land Use/Land Cover Classification of the Natural Environment. In: Sharma, N., Flügel, W.-A. (eds.): *Applied Geoinformatics for Sustainable Integrated Land and Water Resources Management (ILWRM) in the Brahmaputra River basin*. Springer, 17-24
- 47) **Kienberger, S.**, Hutton, C.W., Johnson, F.A., 2015. Vulnerability Assessment and Scenarios. In: Sharma, N., Flügel, W.-A. (eds.): *Applied Geoinformatics for Sustainable Integrated Land and Water Resources Management (ILWRM) in the Brahmaputra River basin*. Springer, 53-60
- 48) **Kienberger, S.**, Contreras, D., Zeil, P., 2014. Spatial and Holistic Assessment of social, economic and environmental vulnerability to floods - lessons from the Salzach River Basin, Austria. In: Birkmann, J., Kienberger, S., Alexander, D. (eds.): *Vulnerability to Natural Hazards - A European Perspective*. Elsevier, USA, 53-74
- 49) Birkmann, J., **Kienberger, S.**, Alexander, D., 2014. Vulnerability: a key determinant of risk and its importance for risk management and sustainability. In: Birkmann, J., Kienberger, S., Alexander, D. (eds.): *Vulnerability to Natural Hazards - A European Perspective*. Elsevier, USA, ix-xiii
- 50) Birkmann, J., Cardona, O. A., Carreño, L., Barbat, A., Pelling, M., Schneiderbauer, S., **Kienberger, S.**, Keiler, M., Alexander, D., Zeil, P., Welle, T., 2014. Theoretical and Conceptual Framework for the Assessment of Vulnerability to Natural Hazards and Climate Change in Europe. In: Birkmann, J., Kienberger, S., Alexander, D. (eds.): *Vulnerability to Natural Hazards - A European Perspective*. Elsevier, USA, 1-19
- 51) Bednar-Friedl, B., Radunsky, K., Balas, M., Baumann, M., Buchner, B., Gaube, V., Haas, W., **Kienberger, S.**, König, M., Köppl, A., Kranzl, L., Matzenberger, J., Mechler, R., Nakicenovic, N., Omann, I., Prutsch, A., Scharl, A., Steininger, K., Steurer, R., Türk, A., 2014. Emissionsminderung und Anpassung an den Klimawandel. In: *Austrian Assessment Report 2014*, 254-316
- 52) Hagenlocher, M., **Kienberger, S.**, Lang, S., Blaschke, T., 2014. Implications of Spatial Scales and Reporting Units for the Spatial Modelling of Vulnerability to Vector-borne Diseases. In: Vogler, R., Car, A., Strobl, J., Griesebner, G. (eds.): *GI\_Forum 2014 – Geospatial Innovation for Society*. Wichmann-Verlag, Berlin, 197-206, <http://dx.doi.org/10.1553/giscience2014s197>
- 53) Contreras, D., **Kienberger, S.**, 2012. GIS in the vulnerability assessment and recovery process in a community with elderly and disable people after a disaster. In: Awotona, A. (Ed.): *Rebuilding Sustainable Communities with Vulnerable Populations after the Cameras Have Gone: A worldwide study*, Cambridge: Cambridge Scholars Publishing, United Kingdom, 117-154.
- 54) Reischenböck, G., **Kienberger, S.**, 2011. Räumliche Bewertung der Vulnerabilität hinsichtlich Hochwasser am Beispiel Zell am See / Bruck an der Großglocknerstraße. In: Strobl, J., Blaschke, T., Griesebner, G. (Hrsg.): *Angewandte Geoinformatik 2011*: Wichmann Verlag, Heidelberg, 854-859.

- 55) Giannini, V., Ceccato, L., Hutton, C., Allan, A. A., **Kienberger, S.**, Flügel, W.-A., Giupponi, C., 2011. Development of responses based- on IPCC and "what-if?" IWRM scenarios, *Adv. Sci. Res.*, 7, 71-81, doi:10.5194/asr-7-71-2011. <http://www.adv-sci-res.net/7/11/2011/asr-7-71-2011.html>
- 56) Hutton, C. W., **Kienberger, S.**, Amoako Johnson, F., Allan, A., Giannini, V., Allen, R., 2011. Vulnerability to climate change: people, place and exposure to hazard, *Adv. Sci. Res.*, 7, 37-45, doi:10.5194/asr-7-37-2011. <http://www.adv-sci-res.net/7/11/2011/asr-7-37-2011.html>
- 57) Dobler, A., Yaoming, M., Sharma, N., **Kienberger, S.**, Ahrens, B., 2011. Regional climate projections in two alpine river basins: Upper Danube and Upper Brahmaputra, *Adv. Sci. Res.*, 7, 11-20, doi:10.5194/asr-7-11-2011, 2011. <http://www.adv-sci-res.net/7/11/2011/asr-7-11-2011.html>
- 58) **Kienberger, S.**, Tiede, D., Ungersböck, M., Klug, H., Ahrens, B., 2008. Interpolation of daily temperature values for European and Asian test-areas. In: Car, A., Griesebner, G., Strobl, J. (eds.): *Geospatial Crossroads @ GI\_Forum*. Proceedings of the Second Geoinformatics Forum Salzburg, Heidelberg: Wichmann, 164-169.
- 59) Lang, S., Zeil, P., **Kienberger, S.**, Tiede, D., 2008. Geons – policy-relevant geo-objects for monitoring high-level indicators. In: Car, A., Griesebner, G., Strobl, J. (eds.): *Geospatial Crossroads @ GI\_Forum*. Proceedings of the Second Geoinformatics Forum Salzburg, Heidelberg:Wichmann, 180-185.
- 60) Zeil, P., Tiede, D., Lang, **Kienberger, S.**, 2008. Monitoring for Human Security - Reflecting the link between 'E' and 'S' in GMES. In A. Car, G. Griesebner & J. Strobl (Ed.), *Geospatial Crossroads @ GI\_Forum '08*. Proceedings of the Geoinformatics Forum Salzburg, , Heidelberg:Wichmann, 276-283
- 61) Blaschke, T., Zeil, P., Lang, S., **Kienberger, S.**, Kammer, A., 2007. The policy framework GMES as a guideline for the integration of environmental security research and landscape sciences. In: Petrosillo, I., Müller, F., Jones, K.B., Zurlini, G., Krauze, K., Victorov, S., Li, B.-L., Kepner, W.G. (eds.), 2007. *Use of Landscape Sciences for the Assessment of Environmental Security*. Springer, The Netherlands, 57-73
- 62) Zornig, J., **Kienberger, S.**, 2006. Low-Cost GIS im Produktiveinsatz: HIVpathis - GIS als Monitoringtool von AIDS-Patienten in Chibabava, Mosambik. In: J. Strobl, T. Blaschke, G. Griesebner (Hrsg.), *Angewandte Geographische Informationsverarbeitung XVIII*, Wichmann Verlag, Heidelberg.
- 63) **Kienberger, S.**, Steinbruch, F., Blaschke, T., Luis da Costa, A., Gomes, A .,2005. The potential of Community Mapping and Community Integrated GIS: A study in the Sofala Province, Mozambique. In: Schrenk, M. (ed.): *CORP 2005 & GeoMultimedia 05*, Vienna, 697-703.
- 64) **Kienberger, S.**, Zeil, P., 2005. Vulnerability Assessment and Global Change Monitoring: The Role of Remote Sensing - Potential and Constraints for Decision Support. 31st International Symposium on Remote Sensing for the Environment 2005, 20. – 24.06.2005, St. Petersburg, Russia

## Conference Papers

- 65) Lang, S., **Kienberger, S.**, Pernkopf, L., Hagenlocher, M.,2014. Object-based multi-indicator representation of complex spatial phenomena. *South-Eastern European Journal of Earth Observation and Geomatics* , 3 (2S), 625 - 628

- 66) **Kienberger, S.** 2013. Integrated assessment of vulnerability in the Salzach catchment - Concepts and methods. CHAT – Mountain Days, 12 – 13 June 2013. Available online at [http://www.chat-mountainalliance.eu/images/abstracts/KIENBERGER\\_IntegratedAssessmentOfVulnerability.pdf](http://www.chat-mountainalliance.eu/images/abstracts/KIENBERGER_IntegratedAssessmentOfVulnerability.pdf)
- 67) **Kienberger, S.**, Füreder, P., Hölbling, D., Tiede, D., Contreras, D., Hagenlocher, M., Zeil, P., Lang, S., 2013. Von Geodaten zu nutzbarer Geoinformation – Entwicklung von und Anforderung an kartografische Produkte im Katastrophenmanagement - Zyklus. Workshop „Raum, Zeit, Risiko“ der DGfK Kommission Risiken, Katastrophen, Sicherheit, München 2013.
- 68) Spiekermann, R., **Kienberger, S.**, 2013. Fragmentation of knowledge for disaster risk reduction in integration to climate change adaptation. In: Andrew Collins (Ed.): Proceedings of Dealing with Disasters (DwD). 4th Conference of the International Society for Integrated Disaster Risk Management (IDRiM). Newcastle upon Tyne, UK, September 4-6, 2013. Northumbria University, pp. 82–83.
- 69) **Kienberger, S.**, Hagenlocher, M., Zeil, P., 2013: Integrating vulnerability assessments into humanitarian assistance: Mapping hotspots of vulnerability to vector-borne diseases in East Africa. In: MSF Germany (Ed.): XV. Humanitarian Congress Berlin.
- 70) **Kienberger, S.**, Hagenlocher, M., Bizimana, J.P., Zeil, P., 2013. Mapping vulnerability hotspots to vector - borne diseases in East Africa – Lessons for national and regional Spatial Data Infrastructures. AfricaGIS 2013 - Global Geospatial Conference 2013, November 4 - 8, 2013, Addis Ababa, Ethiopia
- 71) Hagenlocher, M., **Kienberger, S.**, Casas, I., Delmelle, E., 2013. Modeling socioeconomic vulnerability to dengue fever in Cali, Colombia – supporting place - based intervention planning. 7th International Symposium on Geospatial Health, September 05 - 06, 2013, Naples, Italy, Mappa Parrassitologica, 19, 35
- 72) **Kienberger, S.**, Hagenlocher, M., Zeil, P., 2013. Integrated health risk assessment: Present and future hot spots of malaria risk and vulnerability in eastern Africa. Impacts World 2013. International Conference on Climate Change Effects, May 27 - 30, 2013, Potsdam, Germany
- 73) **Kienberger, S.**, Hagenlocher, M., Zeil, P., 2013. Mapping the underlying causes of vector - borne diseases in East Africa. 4th Annual East Africa Health, Scientific Conference, International Health Exhibition and Trade Fair: Environment and health in Africa - Climate and vector - borne diseases Symposium. East African Community Annual Health & Scientific Conference March 29, 2013, Kigali, Rwanda.
- 74) **Kienberger, S.**, Hagenlocher, M., Zeil, P., 2012. Future impacts of vector-borne diseases in eastern Africa. GEO (Group on Earth Observations) Workshop, December 10, 2012, Vienna, Austria. Poster presentation.
- 75) **Kienberger, S.**, Zeil, P., Contreras, D., Hagenlocher, M., 2012. Spatial assessment of vulnerability. Examining the underlying causes of flood impacts. GEO (Group on Earth Observations) Workshop, December 10, 2012, Vienna, Austria. Poster presentation.
- 76) **Kienberger, S.**, Hagenlocher, M., Zeil, P., 2012. Malaria vulnerability hot spots in East Africa – Examining the underlying causes for Malaria risk. 9th International Conference of the African

- Association of Remote Sensing and the Environment. (AARSE), October 29-November 02, 2012, Eljadida, Marocco, CD-Rom.
- 77) **Kienberger, S.**, 2012. Factors of local vulnerability – Reflections from participatory exercises in Africa and Asia. 32nd International Geographical Congress, 26 - 30 August 2012, Cologne, Germany, USB-Stick.
- 78) **Kienberger, S.** 2012. Crystal ball or support for decision makers? Exploring opportunities towards vulnerability scenarios and trends. 32nd International Geographical Congress, 26 - 30 August 2012, Cologne, Germany, USB-Stick.
- 79) Schneiderbauer, S., **Kienberger, S.**, 2012. Risk reduction – an integration task. 32nd International Geographical Congress, 26 - 30 August 2012, Cologne, Germany, USB-Stick.
- 80) Taylor, D., **Kienberger, S.**, 2012. Water-related vector-borne diseases in eastern Africa: Present and future risks. 32nd International Geographical Congress, 26 - 30 August 2012, Cologne, Germany, USB-Stick.
- 81) Lang, S., **Kienberger, S.**, Hagenlocher, M., Pernkopf, L. Tiede, D., 2012. Spatial meta-indicators: Complex spatial phenomena approached by object-based regionalization techniques of multi-dimensional non-image data. GIScience 2012 Conference, 18-21 September 2012, Columbus, Ohio, USA, 6 pages.
- 82) Lang, S., **Kienberger, S.**, Zalavari, P., 2012. GlobePlotter – A Global Crowd-sourcing Platform for Land Ownership Declaration. In: Jekel, T., Car, A., Strobl, J., Griesebner, G.(eds.): GI\_Forum 2012: Geovizualisation, Society and Learning: Wichmann Verlag, Heidelberg, 113-116.
- 83) Huber, J., **Kienberger, S.**, Tiede, D., 2012. Modellierung und Visualisierung von Vulnerabilität – Integrative und interaktive räumliche Web-Plattform zur Risikominimierung. In: Strobl, J., Blaschke, T., Griesebner, G. (Hrsg.): Angewandte Geoinformatik 2012: Wichmann Verlag, Heidelberg, 602-607.
- 84) Aubrecht, C., **Kienberger, S.**, Fleiss, M., Steinnocher, K., Zeil, P., 2012. Der Beitrag Satelliten-basierter Bodenfeuchte-Information für ausgewählte Anwendungen im Risiko- und Naturgefahrenmanagement. In: Strobl, J., Blaschke, T., Griesebner, G. (Hrsg.): Angewandte Geoinformatik 2012: Wichmann Verlag, Heidelberg, 368-373.
- 85) **Kienberger, S.**, Notenbaert, A., Zeil, P., Bett, B., Hagenlocher, M., Omolo, A., 2012. Health risk in the context of climate change and adaptation - Concept and mapping as an integrated approach. Geophysical Research Abstracts Vol. 14, EGU2012-9825.  
<http://meetingorganizer.copernicus.org/EGU2012/EGU2012-9825.pdf>
- 86) **Kienberger, S.**, Lang, S., Zeil, P. 2011. Climate Change and the vulnerability of mountain regions: Concepts and methods towards an integrated assessment. Managing Alpine Future II, 21.-23. November 2011, Innsbruck, Austria, [http://www.alp-s.at/cms/fileadmin/Downloads/Abstracts\\_Managing\\_Alpine\\_Future\\_II.pdf](http://www.alp-s.at/cms/fileadmin/Downloads/Abstracts_Managing_Alpine_Future_II.pdf)
- 87) Contreras, D., Blaschke, T., **Kienberger, S.**, Zeil, P., 2011. Spatial vulnerability indicators: “measuring” recovery processes after earthquakes. 8th International Conference on Information Systems for Crisis



Response and Management – ISCRAM 2011, Lisbon, Portugal,  
<http://www.iscramlive.org/ISCRAM2011/proceedings/papers/185.pdf> .

- 88) Fleiss, M., **Kienberger, S.**, Aubrecht, C., Kidd, R., Zeil, P., 2011. Mapping the 2010 Pakistan floods and its impact on human life – A post-disaster assessment of socio-economic indicators. Geoinformation for Disaster Management (GI4DM), Antalya, Turkey, CD-ROM.
- 89) **Kienberger, S.**, Zeil, P., Reischenböck, G., Contreras Mojica, D.M., 2011. Application of the MOVE framework for local and sub-national scale levels on flood hazards – Contributions to the vulnerability and scale debate. Geophysical Research Abstracts Vol. 13, EGU2011-9908.  
<http://meetingorganizer.copernicus.org/EGU2011/EGU2011-9908.pdf>
- 90) **Kienberger, S.**, Zeil, P., Lang, S., Johnson, F.A., Hutton, C., Clark, M., 2010: The integration of Land Use/Land Cover data within the modelling of socio-economic vulnerabilities. In: Proceedings of the 10th International Symposium on High Mountain Remote Sensing Cartography. Grazer Schriften der Geographie und Raumforschung, 45, 205-214.
- 91) Eisank, C., Kääh, A., **Kienberger, S.**, 2010: Modelling of snow distribution for European and Asian test areas through MODIS snow cover data. In: Proceedings of the 10th International Symposium on High Mountain Remote Sensing Cartography. Grazer Schriften der Geographie und Raumforschung, 45, 177-186.
- 92) **Kienberger, S.**, 2010. Monitoring vulnerability: Integration of Earth Observation for enhanced disaster risk reduction- Abstract Volume of the International Symposium on Benefiting from Earth Observation, Bridging the Data Gap for Adaptation to Climate Change in the Hindu Kush-Himalayan Region, 4 - 6 October 2010, Kathmandu, Nepal, 11.
- 93) **Kienberger, S.**, 2010. Spatial modelling of vulnerability to floods in Central Mozambique: Integration of community and expert perceptions in a spatial manner, AARSE 2010 - African Association of Remote Sensing for the Environment, Addis Ababa, Ethiopia, CD-ROM.
- 94) **Kienberger, S.**, Contreras, D., Lang, S., 2010. Regions of vulnerability: Spatial modelling of different conceptual approaches. Proceedings of GIScience 2010, Zürich, Switzerland.  
[http://www.giscience2010.org/pdfs/paper\\_241.pdf](http://www.giscience2010.org/pdfs/paper_241.pdf)
- 95) **Kienberger, S.**, Prinz, T., Zeil, P., 2010: Comparison of flood vulnerability indicators in the Salzach catchment – Scale issues, relevance for spatial planning and climate change adaptation. Global Change and the World's Mountains Perth, Scotland, UK, 26-30 September 2010. CD-ROM.
- 96) Aubrecht, C., Freire, S., **Kienberger, S.**, Steinnocher, K., Zeil, P., 2010. The concept of vulnerability within the disaster management cycle - Ageospatial perspective. Geophysical Research Abstracts Vol. 12, EGU2010-12846. <http://meetingorganizer.copernicus.org/EGU2010/EGU2010-12846.pdf>
- 97) Leidel, M., **Kienberger, S.**, Lang, S., Zeil, P., 2009. Comparison of environmental and socio-economic domains of vulnerability to flood hazards. Geophysical Research Abstracts, Vol. 11, EGU2009-12846.  
<http://meetingorganizer.copernicus.org/EGU2009/EGU2009-12846.pdf>

- 98) Leidel, M., **Kienberger, S.**, Lang, S., Zeil, P., 2009. Modelling the Environmental Dimension of Vulnerability. Proceedings of the European IALE Conference 2009, July 12 - 16, 2009, Salzburg, Austria, 477-480
- 99) **Kienberger, S.**, Amoaka Johnson, F., Zeil, P., Hutton, C., Lang, S., Clark, M., 2009. Modelling socio-economic vulnerability to floods: Comparison of methods developed for European and Asian case studies. Sustainable Development. A challenge for European research. 26-28 May 2009, Brussels, Charlemagne building.
- 100) **Kienberger, S.**, 2008. Spatial modeling of vulnerability in Central Mozambique – Integration of expert and community based perceptions. Proceedings of the International Conference on Disaster and Risk Davos, Switzerland, 25.08.-29.08.2008
- 101) **Kienberger, S.**, Lang, S., Zeil, P., 2008. Expert-based spatial modelling of socio-economic vulnerability in the Salzach catchment - An approach to derive spatial vulnerability units. Geophysical Research Abstracts. Volume 10, 2008. EGU General Assembly 2008, Vienna, Austria.
- 102) Hagenlocher, M., **Kienberger, S.**, Tiede, D., 2008. Semi-automated Land Use / Land Cover classification of rural areas in Central Mozambique based on VHSR satellite data applying a class modelling approach. Geospatial Crossroads @ GI\_Forum '08. Poster Presentation
- 103) Hagenlocher, M., **Kienberger, S.**, 2008. Interactive visualization of conflict data in a virtual globe environment – the case of Mozambique. Geospatial Crossroads @ GI\_Forum '08. Poster Presentation
- 104) Zeil, P., **Kienberger, S.**, Lang, S., Klug, H., 2008. Water and environmental conflicts – can spatial information support confidence-building? Geophysical Research Abstracts. Volume 10, 2008. EGU General Assembly 2008, Vienna, Austria.
- 105) **Kienberger, S.**, Lang, S., Tiede, D., 2008. Socio-economic vulnerability units – modelling meaningful spatial units. Proceedings of the GIS Research UK 16th Annual conference GISRUUK 2008, Manchester.
- 106) **Kienberger, S.**, 2007. Assessing the vulnerability to natural hazards on the provincial/community level in Mozambique: The contribution of GIScience and Remote Sensing. The 3rd International Symposium on Geo-information for Disaster Management, Joint CIG/ISPRS conference, Toronto, Canada, 23 - 25 May 2007, CD-ROM.
- 107) Schöpfer, E., Tiede, D., Lang, S., **Kienberger, S.**, 2007. Rapid feature extraction and context mapping. In: EURAC Remote Sensing in Mountain Regions, Abstract.
- 108) Flügel, W. A., Bongartz, K., Janauer, G., Dragut, L., Zeil, P., **Kienberger, S.**, 2007. Comparative analysis of climate change impacts in the Yarlung Tsangpo (Upper Brahmaputra) and Upper Danube river basins – the BRAHMATWINN Project. European Geosciences Union General Assembly 2007, Vienna, Austria, 15 – 20 April 2007.  
<http://meetings.copernicus.org/www.cosis.net/abstracts/EGU2007/04414/EGU2007-J-04414.pdf>
- 109) **Kienberger, S.**, Gomes, A., Zornig, J., 2006. Assigning HIV/AIDS the Location: The use of Open Source Software within a Patient Information System – Experiences and Requirements. 6th International AARSE Conference of Earth Observation & Geoinformation Sciences in support of Africa's development, 30.10.2006 – 02.11.2006, Cairo, Egypt.

- 110) **Kienberger, S.**, Zeil, P., Sakulski, D., 2006. Tools for Improving Risk Awareness and Effective Disaster Management – New Communication Platforms based on 'Virtual Globes'. International Disaster Reduction Conference IDRC 2006, 26.08.2006 – 01.09.2006, Davos, Switzerland.
- 111) Steinbruch, F., **Kienberger, S.**, Zeil, P., Chissancho, M., 2005. Decentralising GIS - The Changing Requirements for Geoinformation in Mozambique. AfricaGIS Conference 2005, Beyond Talk: Geoinformation working or Africa. 29.08. – 02.09.2005, Pretoria, South Africa.
- 112) **Kienberger, S.**, Steinbruch, F., 2005. PGIS and disaster risk management: Assessing vulnerability with PGIS methods – Experiences from Búzi, Mozambique. Mapping for Change, Int. Conference on Participatory Spatial Information Management and Communication, PGIS '05, 7.09. – 10.09.2005, Nairobi, Kenya.

### Other Publications (Monographies, Professional Journals...)

- 113) UNEP 2016. Loss and Damage: The role of Ecosystem Services. United Nations Environment Programme, Nairobi, Kenya.  
[http://uneplive.unep.org/media/docs/assessments/loss\\_and\\_damage.pdf](http://uneplive.unep.org/media/docs/assessments/loss_and_damage.pdf)
- 114) Fritzsche, K., Schneiderbauer, S., Bubeck, P., **Kienberger, S.**, Buth, M., Zebisch, M., Kahlenborn, W., 2014. The Vulnerability Sourcebook: Concept and guidelines for standardised vulnerability assessments. Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, Bonn und Eschborn, Germany, 180p.
- 115) Menoni, S., Modaresi, H., Schneiderbauer, S., **Kienberger, S.**, Zeil, P., 2013. Risk Research: ENSUREing to MOVE ahead - A cooperative paper based on the results of the projects ENSURE and MOVE. European Commission, Luxembourg: Publications Office of the European Union, p. 40, doi 10.2777/2653
- 116) **Kienberger, S.**, Castellano, A., Zeil, P., Raulin, A., Szarzynski, J., 2011. When disaster strikes...Participatory GIS combined with satellite imagery is reaping dividends in community efforts to mitigate natural disasters. GEOconnexion International Magazine, September 2011, 38-41, [http://www.geoconnexion.com/uploads/Africa\\_DisasterStrikes\\_intv10i8.pdf](http://www.geoconnexion.com/uploads/Africa_DisasterStrikes_intv10i8.pdf)
- 117) Dollinger, F., **Kienberger, S.**, Klingler, S., Lampelmaier, L., Neuwirth, C., Prinz, T., Reischenböck, G., Riedler, W., Schönegger, C., Zeil-Fahlbusch, E., 2011. Klimawandel und Raumplanung in Salzburg – Ergebnisse des Alpenraumprojektes CLISP zur Anpassung an den Klimawandel für die Modellregion Pinzgau-Pongau. Mitteilungen zur Rauplanung, Band 22.
- 118) **Kienberger, S.**, 2010. Spatial vulnerability assessment: Methodology for the community and district level applied to floods in Búzi, Mozambique. PhD Dissertation submitted at Natural Science Faculty Paris-Lodron University Salzburg
- 119) **Kienberger, S.**, 2010. Bottom-up approach for flood vulnerability assessment. GIS Development, Online Article, <http://www.gisdevelopment.net/technology/emerging/Bottom-up-approach-for-flood-vulnerability-assessment.htm>
- 120) Zeil, P., **Kienberger, S.**, 2008. Globale Geodaten helfen in Mosambik. In: GISBusiness, Heft 3/2008, 28-30.

- 121) **Kienberger, S.**, Tiede, D., 2008. ArcGIS Explorer Review: Is This Yet Another Virtual Globe?. In: Geoinformatics, Volume 11, March 2008, 42-47; <http://fluidbook.microdesign.nl/geoinformatics/02-2008/>
- 122) **Kienberger, S.**, Tiede, D., 2006. ArcGIS Explorer – Snapshot. In: GISBusiness, Heft 12/2006, 42-45.
- 123) **Kienberger, S.**, 2002. Immissionsklimatologische Untersuchung im Salzachtal zwischen Hallein und Bischofshofen. Master Thesis at the Inst. f. Geography and Spatial Planning., Graz, unpublished, S.164.
- 124) Frei, M., **Kienberger, S.**, Leitinger, S., Seiffter, H., 2001. Südwestsibirien – Expedition vom Zentralraum in den Altai – Teil 1. Mitt. a. d. Inst. f. Geog. u. Raumf., Graz, Heft 28, 1-6.
- 125) Frei, M., **Kienberger, S.**, Leitinger, S., Seiffter, H., 2001. Südwestsibirien – Expedition vom Zentralraum in den Altai – Teil 2. Mitt. a. d. Inst. f. Geog. u. Raumf., Graz, Heft 29, 1-6.