

Alberto Viglione

Date of Birth: 3rd July 1977.**Nationality:** Italian.CONTACT
INFORMATION

Institute of Hydraulic Engineering and Water Resources Management
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POSITIONS

Assistant Professor, Vienna University of Technology, Austria 2017 - present
Research Fellow, Vienna University of Technology, Austria 2007 - 2016
Visiting Scholar, University of Illinois at Urbana-Champaign, USA 2011
Research Assistant, Politecnico di Torino, Italy 2003 - 2007

EDUCATION

Ph.D. in Hydraulic Engineering, Politecnico di Torino, Italy 2007
(Advisors: Pierluigi Claps, Francesco Laio)
Master's Degree in Environmental Engineering, Politecnico di Torino, Italy 2002
(Advisors: Luca Ridolfi, Amilcare Porporato, Davide Poggi)

RESEARCH
INTERESTS

Research objectives:

- to understand the *spatio-temporal dynamics* of climatic, hydrologic and human processes in river basins;
- to decipher the implications of these dynamics on the *probabilities of extreme hydrological events* (floods and droughts) and their *evolution in space and time*;
- to *assess the risk* associated to extreme hydrological events.

Research strategy (combination of):

- investigation of long time series of observed/reconstructed climatic, hydrologic and human related variables;
- comparative analysis of climatic, hydrologic and human related variables across spatial gradients;
- conceptual modelling of the interconnection of climatic, hydrologic and human processes as a mean to understand what the data say.

HONORS AND
AWARDS

Leonardo conference 'Facets of Uncertainty', Kos, Greece: Young scientist invited talk, 2013.
Fondazione AMGA, Genova, Italy: Premio di Dottorato per tesi sulle Risorse Idriche (Doctoral thesis award), 2009.
Politecnico di Torino, Italy: graduated Magna Cum Laude, Environmental Engineering, 2002.

CITATION IMPACT

	Web of Science	Scopus	Google scholar
N. of publications	52	68	202
Sum of the times cited	1423	1644	3002
h-index	23	24	29



BOOKS

1. Blöschl, G., M. Sivapalan, T. Wagener, A. Viglione and H. Savenije, 2013. *Runoff Prediction in Ungauged Basins - Synthesis across Processes, Places and Scales*, Cambridge University Press, ISBN:9781107028180.

PAPERS IN ISI
JOURNALS**2017**

60. Viglione, A., M. Rogger, H. Pirkl, J. Parajka and G. Blöschl, 2017. Conceptual model building inspired by field-mapped runoff generation mechanisms, *Journal of Hydrology and Hydromechanics*, submitted.
59. Mangini, W., A. Viglione, J. Hall, Y. Hundecha, S. Ceola, A. Montanari, M. Rogger, J.L. Salinas, I. Borzì and J. Parajka, 2017. Detection of trends in magnitude and frequency of flood peaks across Europe, *Hydrological Sciences Journal*, under review.
58. Hundecha, Y., J. Parajka and A. Viglione, 2017. Flood type classification and assessment of their past changes across Europe, *Hydrol. Earth Syst. Sci. Discuss.*, doi:10.5194/hess-2017-356.
57. Blöschl G., et al., 2017. Changing climate shifts timing of European floods, *Science*, accepted.
56. Rogger, M. et al., 2017. Land use change impacts on floods at the catchment scale: Challenges and opportunities for future research. *Water Resources Research*, accepted, doi:10.1002/2017WR020723.
55. Ciullo, A., A. Viglione, A. Castellarin, M. Crisci and G. Di Baldassarre, 2017. Socio-hydrological modelling of flood-risk dynamics: comparing the resilience of green and technological systems, *Hydrological Sciences Journal*, **62**(6), 880-891, doi:10.1080/02626667.2016.1273527.
54. Barendrecht, M.H., A. Viglione and G. Blöschl, 2017. A dynamic framework for flood risk, *Water Security*, ...
53. Di Baldassarre, G., F. Martinez, Z. Kalantari and A. Viglione, 2017. Drought and flood in the Anthropocene: feedback mechanisms in reservoir operation, *Earth System Dynamics*, **8**(1), 225-233, doi:10.5194/esd-8-225-2017.
52. Jillo, A.Y., S.S. Demissie, A. Viglione, D.H. Asfaw and M. Sivapalan, 2017. Characterization of regional variability of seasonal water balance within Omo-Ghibe River Basin, Ethiopia, *Hydrological Sciences Journal*, **62**(8), 1200-1215, doi:10.1080/02626667.2017.1313419.

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51. Archfield, S.A., R.M. Hirsch, A. Viglione and G. Blöschl, 2016. Fragmented patterns of flood change across the United States, *Geophysical Research Letters*, **43**(19), pp. 10 232-10 239, doi:10.1002/2016GL070590.
50. Salinas, J.L., A. Kiss, A. Viglione, R. Viertl and G. Blöschl, 2016. A fuzzy Bayesian approach to flood frequency estimation with imprecise historical information, *Water Resources Research*, **52**(9), pp. 6730-6750, doi:10.1002/2016WR019177.
49. Kuil, L., G. Carr, A. Viglione, A. Prskawetz and G. Blöschl, 2016. Conceptualizing socio-hydrological drought processes: the case of the Maya collapse. *Water Resources Research*, **52**(8), 6222-6242, doi:10.1002/2015WR018298.
48. Ceola, S. et al., 2016. Adaptation of Water Resources Systems to Changing Society and Environment - A statement by the International Association of Hydrological Sciences, *Hydrological Sciences Journal*, **61**(16), pp. 2803-2817, doi:10.1080/02626667.2016.1230674.
47. Laaha, G., J. Parajka, A. Viglione, D. Koffler, K. Haslinger, W. Schöner, J. Zehetgruber and G. Blöschl, 2016. A three-pillar approach to assessing climate impacts on low flows, *Hydrology and Earth System Sciences*, **20**(9), 3967-3985, doi:10.5194/hess-20-3967-2016.
46. Grames, J., A. Prskawetz, D. Grass, A. Viglione and G. Blöschl, 2016. Modelling the interaction between flooding events and economic growth. *Ecological Economics*, **129**, 193-209, doi:10.1016/j.ecolecon.2016.06.014.
45. Viglione, A., B. Merz, N.V. Dung, J. Parajka, T. Nester and G. Blöschl, 2016. Attribution of regional flood changes based on scaling fingerprints, *Water Resources Research*, **52**(7), 5322-5340, doi:10.1002/2016WR019036.
44. Šraj, M., A. Viglione, J. Parajka and G. Blöschl, 2016. The influence of non-stationarity of extreme hydrological events on flood frequency estimation. *Journal of Hydrology and Hydromechanics*, doi:10.1515/johh-2016-0032.
43. McMillan, H. et al., 2016. Panta Rhei 2013-2015: Global perspectives on hydrology, society and



- change, *Hydrological Sciences Journal*, **61**(7), 1174-1191, doi:10.1080/02626667.2016.1159308.
42. Parajka, J., A.P. Blaschke, G. Blöschl, K. Haslinger, G. Hepp, G. Laaha, W. Schöner, H. Trautvetter, A. Viglione, and M. Zessner, 2016. Uncertainty contributions to low flow projections in Austria, *Hydrology and Earth System Sciences*, **20**, 2085-2101, doi:10.5194/hess-20-2085-2016.
 41. Archfield, S.A., M. Clark, B. Arheimer, L.E. Hay, H. Mcmillan, J.E. Kiang, J. Seibert, K. Hakala, A. Bock, T. Wagener, W.H. Farmer, V. Andréassian, S. Attinger, A. Viglione, R. Knight, S. Markstrom and T. Over, 2016. Accelerating advances in continental domain hydrologic modeling, *Water Resources Research*, **51**(12), 10078-10091, doi:10.1002/2015WR017498.
 40. Laaha, G., K. Haslinger, D. Koffler, J. Parajka, W. Schöner, A. Viglione, J. Zehetgruber und G. Blöschl, 2016. Ein Drei-Standbeine-Ansatz zur Ermittlung zukünftiger Niederwasserabflüsse in Österreich, *Österreichische Wasser- und Abfallwirtschaft*, **68**(1), 54-57, doi:10.1007/s00506-015-0284-1.

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39. Merz, B., S. Vorogushyn, U. Lall, A. Viglione and G. Blöschl, 2015. Charting unknown waters - on the role of surprise in flood risk assessment and management, *Water Resources Research*, **51**(8), 6399-6416, doi:10.1002/2015WR017464.
38. Parajka, J., R. Merz, J.O. Skøien and A. Viglione, 2015. The role of station density for predicting daily runoff by top-kriging interpolation in Austria, *Journal of Hydrology and Hydromechanics*, **63**(3), 228-234, doi:10.1515/johh-2015-0024.
37. Di Baldassarre, G., A. Viglione, G. Carr, L. Kuil, K. Yan, L. Brandimarte and G. Blöschl, 2015. Debates - Perspectives on socio-hydrology: Capturing feedbacks between physical and social processes, *Water Resources Research*, **51**(6), 4770-4781, doi:10.1002/2014WR016416.
36. Ceola, S., B. Arheimer, E. Baratti, G. Blöschl, R. Capell, A. Castellarin, J. Freer, D. Han, M. Hrachowitz, Y. Hundecha, C. Hutton, G. Lindstrom, A. Montanari, R. Nijzink, J. Parajka, E. Toth, A. Viglione and T. Wagener, 2015. Virtual laboratories: new opportunities for collaborative water science, *Hydrology and Earth System Sciences*, **19**(4), 2101-2117, doi:10.5194/hess-19-2101-2015.
35. Blöschl, G., L. Gaál, J. Hall, A. Kiss, J. Komma, T. Nester, J. Parajka, R. Perdigão, L. Plavcová, M. Rogger, J.L. Salinas and A. Viglione, 2015. Increasing river floods: fiction or reality?, *WIREs Water*, **2**(4), 329-344, doi:10.1002/wat.21079.
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32. Salinas, J. L., A. Castellarin, A. Viglione, S. Kohnová, and T.R. Kjeldsen, 2014. Regional parent flood frequency distributions in Europe - Part 1: Is the GEV model suitable as a pan-European parent?, *Hydrology and Earth System Sciences*, **18**, 4381-4389, doi:10.5194/hess-18-4381-2014.
31. Merz, B. et al., 2014. Floods and climate: emerging perspectives for flood risk assessment and management, *Natural Hazards and Earth System Sciences*, **14**, 1921-1942, doi:10.5194/nhess-14-1921-2014.
30. Hall, J. et al., 2014. Understanding flood regime changes in Europe: a state-of-the-art assessment, *Hydrology and Earth System Sciences*, **18**, 2735-2772, doi:10.5194/hess-18-2735-2014.
29. Skøien, J.O., G. Blöschl, G. Laaha, E. Pebesma, J. Parajka and A. Viglione, 2014. rtop: an R package for interpolation of data with a variable spatial support, with an example from river networks, *Computers & Geosciences*, **67**, 180-190, doi:10.1016/j.cageo.2014.02.009.
28. Viglione, A., G. Di Baldassarre, L. Brandimarte, L. Kuil, G. Carr, J.L. Salinas, A. Scolobig and G. Blöschl, 2014. Insights from socio-hydrology modelling on dealing with flood risk - roles of collective memory, risk-taking attitude and trust, *Journal of Hydrology*, **518**(A), 71-82, doi:10.1016/j.jhydrol.2014.01.018.



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27. Rogger, M., A. Viglione, J. Derx and G. Blöschl, 2013. Quantifying effects of catchments storage thresholds on step changes in the flood frequency curve, *Water Resources Research*, **49**(10), 6946-6958, doi:10.1002/wrcr.20553.
26. Montanari, A. et al., 2013. 'Panta Rhei – Everything Flows': Change in hydrology and society– The IAHS Scientific Decade 2013-2022, *Hydrological Sciences Journal*, **58**(6), 1256-1275, doi:10.1080/02626667.2013.809088.
25. Di Baldassarre, G., A. Viglione, G. Carr, L. Kuil, J.L. Salinas and G. Blöschl, 2013. Socio-hydrology: conceptualising human-flood interactions, *Hydrology and Earth System Sciences*, **17**, 3295-3303, doi:10.5194/hess-17-3295-2013.
24. Viglione, A., J. Parajka, M. Rogger, J.L. Salinas, G. Laaha, M. Sivapalan and G. Blöschl, 2013. Comparative assessment of predictions in ungauged basins - Part 3: Runoff signatures in Austria, *Hydrology and Earth System Sciences*, **17**, 2263-2279, doi:10.5194/hess-17-2263-2013.
23. Salinas, J.L., G. Laaha, M. Rogger, J. Parajka, A. Viglione, M. Sivapalan and G. Blöschl, 2013. Comparative assessment of predictions in ungauged basins - Part 2: Flood and low flow studies, *Hydrology and Earth System Sciences*, **17**, 2637-2652, doi:10.5194/hess-17-2637-2013.
22. Parajka, J., A. Viglione, M. Rogger, J.L. Salinas, M. Sivapalan and G. Blöschl, 2013. Comparative assessment of predictions in ungauged basins - Part 1: Runoff hydrograph studies, *Hydrology and Earth System Sciences*, **17**, 1783-1795, doi:10.5194/hess-17-1783-2013.
21. Viglione, A., R. Merz, J. L. Salinas and G. Blöschl, 2013. Flood frequency hydrology: 3. A Bayesian analysis, *Water Resources Research*, **49**(2), 675-692, doi:10.1029/2011WR010782.

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20. Baratti, E., A. Montanari, A. Castellarin, J. L. Salinas, A. Viglione and A. Bezzi, 2012. Estimating the flood frequency distribution at seasonal and annual time scale, *Hydrology and Earth System Sciences*, **16**, 4651-4660, doi:10.5194/hess-16-4651-2012.
19. Yaeger, M., E. Coopersmith, S. Ye, L. Cheng, A. Viglione and M. Sivapalan, 2012. Exploring the physical controls of regional patterns of flow duration curves - Part 4: A synthesis of empirical analysis, process modeling and catchment classification, *Hydrology and Earth System Sciences*, **16**, 4483-4498, doi:10.5194/hess-16-4483-2012.
18. Cheng, L., M. Yaeger, A. Viglione, E. Coopersmith, S. Ye and M. Sivapalan, 2012. Exploring the physical controls of regional patterns of flow duration curves - Part 1: Insights from statistical analyses, *Hydrology and Earth System Sciences*, **16**, 4435-4446, doi:10.5194/hess-16-4435-2012.
17. Nester, T., J. Komma, A. Viglione and G. Blöschl, 2012. Flood forecast errors and ensemble spread - a case study, *Water Resources Research*, **48**(10), W10502, 19 pp., doi:10.1029/2011WR011649.
16. Rogger, M., B. Kohl, H. Pirkl, A. Viglione, J. Komma, R. Kirnbauer, R. Merz and G. Blöschl, 2012. Runoff models and flood frequency statistics for design flood estimation in Austria - Do they tell a consistent story? *Journal of Hydrology*, **456-457**, 30-43, doi:10.1016/j.jhydrol.2012.05.068.
15. Rogger, M., H. Pirkl, A. Viglione, J. Komma, B. Kohl, R. Kirnbauer, R. Merz and G. Blöschl, 2012. Step changes in the flood frequency curve: Process controls, *Water Resources Research*, **48**(5), W05544, 15 pp., doi:10.1029/2011WR011187.
14. Gaál, L., J. Szolgay, S. Kohnová, J. Parajka, R. Merz, A. Viglione and G. Blöschl, 2012. Flood timescales: Understanding the interplay of climate and catchment processes through comparative hydrology, *Water Resources Research*, **48**(4), W04511, 21 pp., doi:10.1029/2011WR011509.
13. Viglione, A., A. Castellarin, M. Rogger, R. Merz and G. Blöschl, 2012. Extreme rainstorms: Comparing regional envelope curves to stochastically generated events, *Water Resources Research*, **48**(1), W01509, 16 pp., doi:10.1029/2011WR010515.

2007-2011

12. Zoccatelli, D., M. Borga, A. Viglione, G.B. Chirico and G. Blöschl, 2011. Spatial moments of catchment rainfall: rainfall spatial organisation, basin morphology, and flood response, *Hydrology and Earth System Sciences*, **15**, 3767-3783, doi:10.5194/hess-15-3767-2011.
11. Viglione, A., 2010. Confidence intervals for the coefficient of L-variation in hydrological applications, *Hydrology and Earth System Sciences*, **14**(11), 2229-2242, doi:10.5194/hess-14-2229-2010.



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9. Viglione, A., G.B. Chirico, R. Woods and G. Blöschl, 2010. Generalised synthesis of space-time variability in flood response: An analytical framework, *Journal of Hydrology*, **394**(1-2), 198-212, doi:10.1016/j.jhydrol.2010.05.047.
8. Gaume, E., L. Gaál, A. Viglione, J. Szolgay, S. Kohnová and G. Blöschl, 2010. Bayesian MCMC approach to regional flood frequency analyses involving extraordinary flood events on ungauged sites, *Journal of Hydrology*, **394**(1-2), 101-117, doi:10.1016/j.jhydrol.2010.01.008.
7. Viglione, A., M. Borga, P. Balabanis and G. Blöschl, 2010. Barriers to the exchange of hydrometeorological data in Europe: Results from a survey and implications for data policy, *Journal of Hydrology*, **394**(1-2), 63-77, doi:10.1016/j.jhydrol.2010.03.023.
6. Vezza, P., C. Comoglio, M. Rosso and A. Viglione, 2010. Low flows regionalization in North-Western Italy, *Water Resources Management*, **24**(14), 4049-4074, doi:10.1007/s11269-010-9647-3.
5. Ganora, D., P. Claps, F. Laio and A. Viglione, 2009. An approach to estimate non-parametric flow duration curves in ungauged basins, *Water Resources Research*, **45**(10), W10418, doi:10.1029/2008WR007472.
4. Viglione, A., R. Merz and G. Blöschl, 2009. On the role of the runoff coefficient in the mapping of rainfall to flood return periods, *Hydrology and Earth System Sciences*, **13**(5), 577-593, doi:10.5194/hess-13-577-2009.
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2. Gaume, E. and THE HYDRATE TEAM, 2009. A compilation of data on European flash floods, *Journal of Hydrology*, **367**(1-2), 70-78, doi:10.1016/j.jhydrol.2008.12.028.
1. Viglione, A., F. Laio and P. Claps, 2007. A comparison of homogeneity tests for regional frequency analysis, *Water Resources Research*, **43**(3), W03428, doi:10.1029/2006WR005095.

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4. Blöschl, G., A. Viglione, R. Merz., J. Parajka, J.L. Salinas und W. Schöner, 2011. Auswirkungen des Klimawandels auf Hochwasser und Niederwasser, *Österreichische Wasser- und Abfallwirtschaft*, **63**(1-2), 21-30, doi:10.1007/s00506-010-0269-z.
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2. Gaál, L., J. Szolgay, S. Kohnová, K. Hlavčová and A. Viglione, 2010. Inclusion of historical information in flood frequency analysis using a Bayesian MCMC technique: a case study for the power dam Orlik, Czech Republic, *Contributions to Geophysics and Geodesy*, **40**(2), 121-147, doi:10.2478/v10126-010-0005-5.
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BOOK CHAPTERS

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12. Takeuchi, K., G. Blöschl, H.H.G. Savenije, J.C. Schaake, M. Sivapalan, A. Viglione, T. Wagener and G. Young, 2013. *Recommendations*, Chapter 13 in: G. Blöschl, M. Sivapalan, T. Wagener, A. Viglione, H.H.G. Savenije (Eds.) *Runoff Prediction in Ungauged Basins - Synthesis across Processes, Places and Scales*, Cambridge University Press, Cambridge, UK, pp. 384-387,



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11. Gupta, H.V., G. Blöschl, J.J. McDonnell, H.H.G. Savenije, M. Sivapalan, A. Viglione and T. Wagener, 2013. *Outcomes of synthesis*, Chapter 12 in: G. Blöschl, M. Sivapalan, T. Wagener, A. Viglione, H.H.G. Savenije (Eds.) *Runoff Prediction in Ungauged Basins - Synthesis across Processes, Places and Scales*, Cambridge University Press, Cambridge, UK, pp. 361-383, ISBN:9781107028180.
10. Rosbjerg, D., G. Blöschl, D.H. Burn, A. Castellarin, B. Croke, G. Di Baldassarre, V. Iacobellis, T.R. Kjeldsen, G. Kuczera, R. Merz, A. Montanari, D. Morris, T.B.M.J. Ouarda, L. Ren, M. Rogger, J.L. Salinas, E. Toth and A. Viglione, 2013. *Prediction of floods in ungauged basins*, Chapter 9 in: G. Blöschl, M. Sivapalan, T. Wagener, A. Viglione, H.H.G. Savenije (Eds.) *Runoff Prediction in Ungauged Basins - Synthesis across Processes, Places and Scales*, Cambridge University Press, Cambridge, UK, pp. 189-226, ISBN:9781107028180.
9. Castellarin, A., G. Botter, D.A. Hughes, S. Liu, T.B.M.J. Ouarda, J. Parajka, D.A. Post, M. Sivapalan, C. Spence, A. Viglione and R.M. Vogel, 2013. *Prediction of flow duration curves in ungauged basins*, Chapter 7 in: G. Blöschl, M. Sivapalan, T. Wagener, A. Viglione, H.H.G. Savenije (Eds.) *Runoff Prediction in Ungauged Basins - Synthesis across Processes, Places and Scales*, Cambridge University Press, Cambridge, UK, pp. 135-162, ISBN:9781107028180.
8. Weingartner, R., G. Blöschl, D.M. Hannah, D.G. Marks, J. Parajka, C.S. Pearson, M. Rogger, J.L. Salinas, E. Sauquet, R. Srikanthan, S.E. Thompson and A. Viglione, 2013. *Prediction of seasonal runoff in ungauged basins*, Chapter 6 in: G. Blöschl, M. Sivapalan, T. Wagener, A. Viglione, H.H.G. Savenije (Eds.) *Runoff Prediction in Ungauged Basins - Synthesis across Processes, Places and Scales*, Cambridge University Press, Cambridge, UK, pp. 102-134, ISBN:9781107028180.
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5. Blöschl, G., A. Viglione and A. Montanari 2013. *Emerging Approaches to Hydrological Risk Management in a Changing World*, In: R.A. Pielke Sr. and F. Hossain (Ed.) *Climate Vulnerability: Understanding and Addressing Threats to Essential Resources*, Elsevier Inc., Academic Press, vol. 5, 3-10, doi:10.1016/B978-0-12-384703-4.00505-0.
4. Blöschl, G., R. Merz, J. Parajka, J.L. Salinas and A. Viglione, 2012. *Floods in Austria*, In: Z.W. Kundzewicz (Ed.) *Changes in Flood Risk in Europe*, IAHS Special Publication 10, Wallingford, Oxfordshire, UK, pages 169-177, ISBN:978-1-907161-28-5.
3. Blöschl, W. Schöner, H. Kroiss, A. Blaschke, R. Böhm, K. Haslinger, N. Kreuzinger, R. Merz, J. Parajka, J. Salinas and A. Viglione, 2011. *Wasserwirtschaft und Klimawandel*, In: *Energieresourcen und Klimawandel*, Verein für Ökologie und Umweltforschung, Wien, pp. 7-18, ISBN:978-3-7089-0713-0.
2. Grimaldi, S., S.C. Kao, A. Castellarin, S.M. Papalexioiu, A. Viglione, F. Laio, H. Aksoy and A. Gedikli, 2010. *Statistical Hydrology*, In: P. Wilderer (Ed.) *Treatise on Water Science*, vol. 2, ch. 2.18, 479-517, Elsevier, doi:10.1016/B978-0-444-53199-5.00046-4.
1. Viglione, A., P. Claps and F. Laio, 2007. *Mean annual runoff estimation in North-Western Italy*, In: G. La Loggia (Ed.) *Water resources assessment and management under water scarcity scenarios*, CDSU Publ. Milano.
2. Schumann, A.H., G. Blöschl, A. Castellarin, J. Dietrich, S. Grimaldi, U. Haberlandt, A. Montanari, D. Rosbjerg, A. Viglione and S. Vorogushyn, 2016. *The spatial dimension of water management - Redistribution of benefits and risks*, Copernicus, Proceedings of IAHS - Volume 373, 2016.
1. Cudennec, C., A. Eicker, P. Pilon, M. Stoffel, A. Viglione and Z. Xu, 2015. *Extreme Hydrological*

EDITED
CONFERENCE
PROCEEDINGS



CONFERENCE
PROCEEDING
PAPERS

10. Ceola, S., A. Montanari, J. Parajka, A. Viglione, G. Blöschl and F. Laio, 2016. Human signatures derived from nighttime lights along the Eastern Alpine river network in Austria and Italy. *Proc. IAHS*, 373, 131-136, doi:10.5194/piahs-373-131-2016.
9. Hall, J. et al., 2015. A European flood database: Facilitating comprehensive flood research beyond administrative boundaries. *IAHS-AISH Proceedings and Reports*, 370, pp. 89-95, doi:10.5194/piahs-370-89-2015.
8. Cudenneq, C., A. Eicker, P. Pilon, M. Stoffel, A. Viglione and Z. Xu, 2015. Preface: Extreme Hydrological Events, in *Extreme Hydrological Events*, Copernicus, PIAHS - Volume 369, 2015, pages 1-2.
7. Viglione, A., A. Montanari and G. Blöschl, 2013. Challenges of reservoir planning and management in a changing world, in *Considering Hydrological Change in Reservoir Planning and Management*, Proceedings of H09, IAHS-IAPSO-IASPEI Assembly, Gothenburg, Sweden, July 2013 (IAHS Publ. 362, 1-10, 2013).
6. Baratti, E., A. Montanari, A. Castellarin, J.L. Salinas, A. Viglione and G. Blöschl, 2012. Sulla stima di frequenza stagionale ed annuale delle piene fluviali, *XXXIII Convegno Nazionale di Idraulica e Costruzioni Idrauliche*, Brescia, 10-15 September 2012.
5. Rogger, M., B. Kohl, H. Pirkl, R. Merz, A. Viglione, R. Kirnbauer and G. Blöschl, 2012. Ein Beitrag zur Harmonisierung von deterministischen und statistischen Methoden zur Bestimmung von Hochwasserdurchflüssen - Howati-Hochwasser Tirol, *12th Congress INTERPRAEVENT 2012* - Grenoble / France, 305-315.
4. Rogger, M., A. Viglione, R. Merz, R. Kirnbauer, H. Pirkl and G. Blöschl, 2011. Towards understanding the differences between deterministic and probabilistic flood hazard estimation methods, In: *Risk in Water Resources Management*, Proceedings of Symposium H03 held during IUGG2011 in Melbourne, Australia, July 2011, IAHS Publ. 347, pp. 16-21.
3. Salinas, J. L., A. Viglione, R. Merz, J. Parajka, W. Schöner and G. Blöschl, 2011. Wie ändern sich Hochwasser und Niederwasser in Österreich?, In: G. Blöschl and R. Merz (Ed.) *Hydrologie & Wasserwirtschaft - von der Theorie zur Praxis*, Hydrologische Wissenschaften - Fachgemeinschaft in der DWA, 129-135 (Beiträge zum Tag der Hydrologie 2011 24./25. März 2011 an der Technischen Universität Wien).
2. Gaume, E., O. Payratre, A. Viglione, G. Blöschl, L. Gaàl and J. Szolgay, 2010. Intégration des événements extrêmes non jaugés dans les analyses statistiques régionales des crues, *Colloque SHF: Risques inondation en Ile de France, 100 ans après les crues de 1910*, Paris, 24-25 March. Isbn: 2-906831-82-4, SHF 2010, pp. 57-62.
1. Viglione, A., P. Claps and F. Laio, 2006. Utilizzo di criteri di prossimità nell'analisi regionale del deflusso annuo, *XXX Convegno di Idraulica e Costruzioni Idrauliche - IDRA 2006*, Rome, 10-15 September.

TECHNICAL
REPORTS

9. Skahill, B. E., A. Viglione and A.R. Byrd., 2016. A Bayesian analysis of the flood frequency hydrology concept, ERDC/CHL CHETN-X-1. Vicksburg, MS: U.S. Army Engineer Research and Development Center. <http://chl.erd.usace.army.mil/chetn>
8. Tschernutter, P., G. Blöschl, J.L. Salinas, I. Kampel, U. Drabek, A. Viglione, S. Wallner et al., 2013. Manual for small dams' flood risk assessment and management, Eigenverlag.
7. Rogger, M., B. Kohl, H. Pirkl, M. Hofer, R. Kirnbauer, R. Merz, J. Komma, A. Viglione and G. Blöschl, 2011. HOWATI - HochWasser Tirol: Ein Beitrag zur Harmonisierung von Bemessungshochwässern in Österreich, Eingereicht bei der ÖWAW, 15.6.2011.
6. ZAMG und TU Wien, 2011. Anpassungsstrategien an den Klimawandel für Österreichs Wasserwirtschaft, Studie der Zentralanstalt für Meteorologie und Geodynamik und der Technischen Universität Wien im Auftrag von Bund und Ländern, Lebensministerium AT.
5. Blöschl, G., R. Merz, J. Parajka, A. Viglione and J. Komma, 2009. Predictability of runoff in a changing environment (Pilot Project), February 2009, Institut für Wasserbau und Ingenieurhydrologie, Technische Universität Wien.



4. Blöschl, G., A. Viglione und H. Heindl, 2008. Dynamik von Hochwasserbemessungsgrößen und Konsequenzen - Klimawandel. Bericht an das Bundesministerium für Land- und Forstwirtschaft, Umwelt und Wasserwirtschaft. Institut für Wasserbau und Ingenieurhydrologie, Technische Universität Wien.
3. Claps, P., F. Laio and A. Viglione, 2007. Valutazione delle risorse idriche utilizzabili per obiettivi multipli attraverso la realizzazione di alcuni grandi invasi artificiali in Piemonte, Gennaio 2007, Dipartimento di Idraulica, Trasporti e Infrastrutture Civili, Politecnico di Torino.
2. Viglione, A., 2004. Stima dell'Evapotraspirazione media mensile sul territorio Piemontese, Working Paper 2004 - 01, Aprile 2004, Dipartimento di Idraulica, Trasporti e Infrastrutture Civili, Politecnico di Torino.
1. Viglione, A., 2003. Determinazione automatica di parametri morfometrici dei bacini idrografici, Working Paper 2003 - 01, Settembre 2003, Dipartimento di Idraulica, Trasporti e Infrastrutture Civili, Politecnico di Torino.

SOFTWARES

3. Parajka, J. and A. Viglione, 2012-present. TUWmodel: Lumped hydrological model developed at the Vienna University of Technology for education purposes, R package.
2. Viglione, A., 2006-present. nsRFA: Non-supervised Regional Frequency Analysis, R package.
1. Viglione, A., 2006. homtest: Homogeneity tests for Regional Frequency Analysis, R package.

THESES

2. Viglione, A., 2007. Metodi statistici non-supervised per la stima di grandezze idrologiche in siti non strumentati (Non-supervised statistical methods for the prediction of hydrological variables in ungauged sites), Ph.D. thesis at the Politecnico of Turin (in Italian).
1. Viglione, A., 2002. Struttura della turbolenza in correnti su superfici vegetate (Turbulence structures in the canopy layer), M.S. thesis at the Politecnico of Turin (in Italian).

PHD OPPONENT

- Anna Åkesson, 2015. Peakflow response of stream networks - implications of physical descriptions of streams and temporal change, *KTH Royal Institute of Technology*, Stockholm, Sweden, 29 September 2015.
- Muhammad Azmat, 2015. Water Resources Availability and Hydropower Production under Current and Future Climate Scenarios: The Case of Jhelum River Basin, Pakistan, *Politecnico di Torino*, Torino, Italy, 27 February 2015.
- Andrea Guala, 2015. Mathematical modelling of cardiovascular fluid mechanics: physiology, pathology and clinical practice, *Politecnico di Torino*, Torino, Italy, 27 February 2015.
- Muhammad Uzair Qamar, 2015. Parametric and non-parametric approaches for runoff and rainfall regionalization, *Politecnico di Torino*, Torino, Italy, 27 February 2015.
- Andrea Cagninei, 2015. Hull and mooring design of a gyroscopic-based wave energy converter, *Politecnico di Torino*, Torino, Italy, 27 February 2015.
- Anna Botto, 2015. Uncertainty Compliant Design of flood-defense infrastructures: a cost-benefit approach, *Scuola Interpolitecnica di Dottorato*, Turin, Italy.

TEACHING EXPERIENCE

- | | Courses |
|---|----------------|
| - <i>Risikobewertung im Bauingenieurwesen</i>
Vienna University of Technology, Austria | 2017 - present |
| - <i>Hydrometrie</i>
Vienna University of Technology, Austria | 2015 - present |
| - <i>Ingenieurhydrologie 2</i>
Vienna University of Technology, Austria | 2013 - present |
| - <i>Ingenieurhydrologie - Übung</i>
Vienna University of Technology, Austria | 2012 - present |



- *Runoff Predictions in Ungauged Basins (PUB)* 2015 - present
Summer School in Vienna, Austria
- *Where there is little data: how to estimate design variables in poorly gauged basins* 2013 - present
UNESCO-IHE short course, Delft, The Netherlands
- FloodFreq training school *Advanced techniques for flood hazard assessment in a changing environment*, Limassol, Cyprus, 8 - 12 October 2012.
- Winter Research Workshop on *Comparative Hydrology* at the Ethiopian Institute of Water Resources, Addis Ababa, 26 Dec. 2011 - 13 Jan. 2012.

Seminars

- *Top-Kriging: geostatistical prediction of streamflow indices - theory and practice* at the Bochum IAHS - 18-20 May 2016 7th International Water Resources Management Conference of ICWRS, Bochum, 2016.
- *Storm water hydrology: flood peak estimation, statistical analysis and rainfall-runoff modelling* at the course 'Integrated water resources management' for the International Post-Graduate Training Programme in Limnology IPGL2010, Vienna, 2010.
- *Model building and simulations* at graduate courses of Hydrology. Vienna University of Technology, 2009 - present.
- *Storm water hydrology* at the course 'Management and governance of the integrated water service cycle' for Hydroaid - International School for Water and Development, Turin, 2008.
- *A stochastic rainfall model in R* at graduate courses of Hydrology. Vienna University of Technology, 2009 - 2010.
- *Intensity-Duration-Frequency curves* at the 'Training course on management and control of water resources' for Hydroaid - International School for Water and Development, Turin, 2006.
- *Regional Frequency Analysis* at graduate courses of Hydrology, Politecnico di Torino, Turin, 2005.

Ph.D. supervision

- *David Lun* 2017 - 2019
Detection of flood-reach and flood-poor periods
- *Walter Mangini* 2017 - 2019
Flood change attribution: considering sources and pathways for understanding the past
- *Marlies Barendrecht* 2016 - 2019
Socio-hydrology: understanding the generic behaviour of coupled human-flood systems at the centennial scale

M.S. supervision

- *Elisa Formica* (Politecnico di Torino) 2016
Regionalisation procedure for Intensity-Duration-Frequency curves of precipitation in the Austrian Alps.
- *Daniele Franco* (University Roma 3) 2016
River work effects on flood response at the catchment scale
- *Alessio Cipolli* (University of Florence) 2015
Synchronicity of flood events across the Danube river basin
- *Alessio Ciullo* (Bologna University) 2015
Socio-hydrological modelling of flood-risk dynamics: quantifying community resilience and adaptation capacity
- *Walter Mangini* (Politecnico di Torino) 2015
Development of a catalogue of flood types across Europe
- *Maria Anastasia Como* (Politecnico di Torino) 2015
Sensitività ai cambiamenti climatici delle portate di piena nei bacini alpini
- *Paola Almeida Soares* (Bologna University) 2015
Development of a catalogue of flood types across Europe
- *Stefano Mallucci* (Politecnico di Torino) 2015
Assessment of seasonality of European flood peaks and its variations in time and space



- *Elena Diamantini* (Politecnico di Torino) 2015
Flood change in Europe: trend detection of flood peaks' magnitude
- *Thomas Glatz* (Vienna University of Technology) 2014
Auswirkung von Klimavariabilität und wasserwirtschaftlichen Maßnahmen auf Niederwasserdurchflüsse in Niederösterreich
- *Ulrike Gabriele Kobler* (Vienna University of Technology) 2013
Niederschlag-Abflussmodellierung: Abhängigkeit der Modellparameter von Zeit und Zielfunktionen

Others

- Teaching assistance at graduate courses of Hydrology, Vienna University of Technology, 2009 - present.
- Teaching assistance at graduate courses of Water Resources Planning and Management, Politecnico di Torino, Turin, 2005 - 2006.
- Teaching assistance at graduate courses of Hydrology, Politecnico di Torino, Vercelli, 2004 - 2005.
- B.S. thesis advisor or co-advisor for 3 students; M.S. thesis advisor or co-advisor for 3 students, Politecnico di Torino, Turin, 2004 - 2007.

PROJECTS

10. **SPATE** 2017 - 2019
Space-Time Dynamics of Extreme Floods
Deutsche Forschungsgemeinschaft (DFG, German Research Foundation), Germany
(responsible for the development of methods for detection of flood-rich flood-poor periods)
9. **HORA 3.0** 2016 - 2018
Flood risk zoning in Austria 3.0 - hydrological analyses
Federal Ministry of Agriculture, Forestry, Environment and Water Management, Austria
(project leader, €480k)
8. **System Risk** 2016 - 2019
A large-scale systems approach to flood risk assessment and management
Horizon 2020 Marie-Sklodowska-Curie European Training Network, EU
(project leader at TU Wien, €512k)
7. **Switch-On** 2013 - 2017
Sharing Water-related Information to Tackle Changes in the Hydrosphere - for Operational Needs
European Union's Seventh Programme for research, technological development and demonstration, EU
(responsible for the development of an European open-source flood catalogue)
6. **FloodChange** 2012 - 2017
Deciphering River Flood Change
European Research Council Advanced Grant, EU
(responsible for flood change modelling and attribution)
5. **CILFAD** 2011 - 2014
Climate Impact on Low Flows And Droughts
Austrian Research Promotion Agency, Austria
(responsible for stochastic low flow modelling)
4. **Mountain floods** 2009 - 2012
Regional joint probability estimation of extreme events
International Strategy for Disaster Reduction (ISDR) Programme, UN
(responsible for flood frequency analysis at confluences)
3. **HYDRATE** 2007 - 2010
Hydrometeorological data resources and technologies for effective flash flood forecasting
Sixth Framework Programme of the European Commission (FP 6), EU
(responsible for flash flood space-time modelling framework)



2. **CUBIST** 2006 - 2007
Characterisation of Ungauged Basins by Integrated use of hydrological Techniques
 Progetti di ricerca di interesse nazionale (PRIN), Ministero dell'Istruzione, dell'Università e della Ricerca, Italy
 (responsible for the development of the Italian catchments data-base)
1. **PTA Piemonte** 2003 - 2007
Piano di Tutela delle Acque della Regione Piemonte
 Regione Piemonte, Italy
 (responsible for the regional assessment of water resources availability)

- ASSOCIATE EDITOR - **Water Resources Research**, Wiley 2014 - present
 ISSN: 1944-7973 (Online)
- **WIREs Water**, Wiley 2012 - present
 ISSN: 2049-1948 (Online)
- **Hydrological Sciences Journal**, Taylor & Francis 2012 - present
 ISSN: 0262-6667 (Print), 2150-3435 (Online)

- REVIEWER - **Earth Future**, Wiley since 2017
 ISSN: 2328-4277 (Online)
- **Land Use Policy**, Elsevier since 2017
 ISSN: 0264-8377
- **Advances in Geosciences**, Copernicus since 2016
 ISSN: 1680-7359
- **Water Resources Management**, Springer since 2016
 ISSN: 0920-4741 (Print) 1573-1650 (Online)
- **Stochastic Environmental Research and Risk Assessment**, Springer since 2015
 ISSN: 1436-3240 (Print) 1436-3259 (Online)
- **Australian Journal of Water Resources**, Taylor & Francis since 2015
 ISSN: 1324-1583 (Print), 2204-227X (Online)
- **Physical Geography**, Taylor & Francis since 2015
 ISSN: 0272-3646 (Print), 1930-0557 (Online)
- **Journal of Hydrologic Engineering**, ASCE since 2014
 ISSN: 1084-0699
- **Journal of Hydrology: Regional Studies**, Elsevier since 2014
 ISSN: 2214-5818
- **Journal of Hydrology and Hydromechanics**, De Gruyter since 2014
 ISSN: 0042-790X
- **Hydrology Research**, IWA since 2014
 ISSN: 0029-1277
- **Quaternaire**, AFEQ since 2013
 ISSN: 1965-0795
- **Advances in Water Resources**, Elsevier since 2012
 ISSN: 0309-1708
- **Geophysical Research Letters**, Wiley since 2012
 ISSN: 1944-8007
- **Natural Hazards and Earth System Sciences**, Copernicus since 2012
 ISSN: 1561-8633 (Print), 2195-9269 (Online)
- **Natural Hazards**, Springer since 2011
 ISSN: 0921-030X (Print), 1573-0840 (Online)
- **International Journal of Climatology**, Wiley since 2010
 ISSN: 1097-0088



- **Hydrological Processes**, Wiley since 2009
ISSN: 1099-1085
- **Physics and Chemistry of the Earth**, Elsevier since 2008
ISSN: 1474-7065
- **Hydrological Sciences Journal**, Taylor & Francis since 2008
ISSN: 0262-6667 (Print), 2150-3435 (Online)
- **Journal of Hydrology**, Elsevier since 2008
ISSN: 0022-1694
- **Hydrology and Earth System Sciences**, Copernicus since 2007
ISSN: 1027-5606 (Print), 1607-7938 (Online)
- **Water Resources Research**, Wiley since 2007
ISSN: 1944-7973

- COMMISSIONS AND ASSOCIATIONS 1. Secretary of the International Commission on Water Resources Systems, 2015-2019.
- CONFERENCE ORGANISATION 2. International Conference on Integrated Water Resources Management 2016, 18-20 May 2016, Bochum, Germany.
1. Symposium ‘Deciphering River Flood Change’, Vienna, 3-5 September 2012.
- CONVENER 24. Rogger, M., G. Jewitt, A. Viglione and M. Toucher, 2017. Land use change impacts on water resources, W15 workshop at the *IAHS Scientific Assembly*, Port Elizabeth, South Africa, 10-14 July 2017.
23. White, C., et al., 2017. Probabilistic forecasts and land-atmosphere interactions to advance hydrological predictions, W19 workshop at the *IAHS Scientific Assembly*, Port Elizabeth, South Africa, 10-14 July 2017.
22. Viglione, A., et al., 2017. Hydroclimatic and hydrometeorologic stochasticity: Extremes, scales, probabilities, HS7.7/NH1.17 session at the *European Geoscience Union General Assembly*, Vienna, Austria, 23-28 April 2017.
21. Pande, S., M. Sivapalan, B. Höllermann, G. Di Baldassarre, M. Nüsser and A. Viglione, 2017. Advances in socio-hydrology HS5.3 session at the *European Geoscience Union General Assembly*, Vienna, Austria, 23-28 April 2017.
20. Van Loon, A., et. al., 2017. Hydrological extremes: from droughts to floods, HS2.1.1 session at the *European Geoscience Union General Assembly*, Vienna, Austria, 23-28 April 2017.
19. Gires, A., et al., 2016. Precipitation variability: spatio-temporal scales and hydrometeorologic extremes, HS7.9/AS1.30/CL2.21/NH1.12/NP3.8 session at the *European Geoscience Union General Assembly*, Vienna, Austria, 17-22 April 2016.
18. Pande, S., A. Viglione, G. Di Baldassarre and M. Sivapalan, 2016. Advances in socio-hydrology, HS5.4 session at the *European Geoscience Union General Assembly*, Vienna, Austria, 17-22 April 2016.
17. Mediero, L., H. Kreibich, A. Viglione and S. Vorogushyn, 2016. Flood dynamics: processes, controls, consequences, HS2.4.4 session at the *European Geoscience Union General Assembly*, Vienna, Austria, 17-22 April 2016.
16. Van Loon, A., J. Szolgay, L.M. Tallaksen, G. Laaha and A. Viglione, 2016. Hydrological extremes: from droughts to floods, HS2.1.1 session at the *European Geoscience Union General Assembly*, Vienna, Austria, 17-22 April 2016.
15. Cudennec, C., A. Eicker, P. Pilon, M. Stoffel, A. Viglione, Z. Xu and X. Zhang, 2015. Extreme Hydrological Events, JH1 Joint Inter-Association Symposia at the *26-th IUGG General Assembly*, Prague, June 22 - July 2, 2015.



14. Aksoy, H., M. Sivapalan, Y. Chen, A. Viglione, R. Moussa and E. Eris, 2015. Hydrological Predictions in Ungauged Basins, HW13 IAHS Symposia Workshop at the *26-th IUGG General Assembly*, Prague, June 22 - July 2, 2015.
13. Viglione, A., A. Castellarin, J. Szolgay, L.M. Tallaksen and G. Laaha, 2015. Hydrological extremes: from droughts to floods, HS2.4.1 session at the *European Geoscience Union General Assembly*, Vienna, Austria, 12-17 April 2015.
12. Mediero, L., A. Viglione, S. Vorogushyn and H. Kreibich, 2015. Flood changes: understanding the drivers of hazard and risk, HS2.4.4 session at the *European Geoscience Union General Assembly*, Vienna, Austria, 12-17 April 2015.
11. Carsteanu, A.A., A. Viglione, L. Gaál, S. Lennartz-Sassinek, M. Borga, A. Gires, A. Langousis, X. Wang, D. Koutsoyiannis, S. Grimaldi and V. Vuruputur, 2015. Hydroclimatic and hydrometeorologic stochasticity: Extremes, scales, probabilities, HS7.7/NP3.8 session at the *European Geoscience Union General Assembly*, Vienna, Austria, 12-17 April 2015.
10. Viglione, A., S. Grimaldi, A. Castellarin and D. Ganora, 2014. Analisi idraulico-idrologiche in bacini non strumentati, sessione al *XXXIV Convegno Nazionale di Idraulica e Costruzioni Idrauliche*, Bari, Italia, 8-10 Settembre 2014.
9. Formetta, G., M. Di Leo, A. Viglione, and A. Castellarin, 2014. Open-source computing per le applicazioni idrologiche e idrauliche, sessione al *XXXIV Convegno Nazionale di Idraulica e Costruzioni Idrauliche*, Bari, Italia, 8-10 Settembre 2014.
8. Viglione, A., A. Castellarin, J. Szolgay, L.M. Tallaksen and G. Laaha, 2014. Hydrological extremes: from droughts to floods, HS2.4.2 session at the *European Geoscience Union General Assembly*, Vienna, Austria, 27 April - 2 May 2014.
7. Mediero, L., A. Viglione and S. Vorogushyn, 2014. Decadal flood risk changes, HS2.4.7 session at the *European Geoscience Union General Assembly*, Vienna, Austria, 27 April - 2 May 2014.
6. Langevin, C., A. Viglione, A. Castellarin and M. Bakker, 2013. Open-Source Programming, Scripting, and Tools for the Hydrological Sciences, session at the *American Geophysical Union's 46th annual Fall Meeting*, San Francisco, 9-13 December 2013.
5. Viglione, A., A. Castellarin, J. Szolgay, L.M. Tallaksen and G. Laaha, 2013. Hydrological extremes: from droughts to floods, HS2.2 session at the *European Geoscience Union General Assembly*, Vienna, Austria, 7-12 April 2013.
4. Mediero, L., A. Viglione and A. Kiss, 2013. Decadal flood risk changes, HS2.13 session at the *European Geoscience Union General Assembly*, Vienna, Austria, 7-12 April 2013.
3. Viglione, A., L.M. Tallaksen, G. Laaha, A. Castellarin and J. Szolgay, 2012. Hydrological extremes: from droughts to floods, HS2.6 session at the *European Geoscience Union General Assembly*, Vienna, Austria, 22-27 April 2012.
2. Viglione, A., J. Szolgay, L.M. Tallaksen and G. Laaha, 2011. Hydrological extremes: from droughts to floods (co-organized), HS2.11/NH1.14 session at the *European Geoscience Union General Assembly*, Vienna, Austria, 3-8 April 2011.
1. Laaha, G., J. Szolgay, L.M. Tallaksen and A. Viglione, 2010. Hydrological extremes: from droughts to floods, HS4.12 session at the *European Geoscience Union General Assembly*, Vienna, Austria, 2-7 May 2010.

INVITED
PRESENTATIONS

5. Viglione, A., 2015. Runoff Prediction in Ungauged Basins: Synthesis across Processes, Places and Scales, Invited presentation at *ETH Zürich*, 15 June 2015, Zürich, Switzerland.
4. Viglione, A., J. Hall, J. Parajka, P. Claps and G. Blöschl, 2013. Observed change of seasonality of floods in Europe: a spatial comparison, Invited presentation at the *AGU Fall Meeting*, 9-13 December 2013, San Francisco, US.
3. Viglione, A., G. Di Baldassarre, L. Brandimarte, L. Kuil, G. Carr, J.L. Salinas, A. Scolobig and G. Blöschl, 2013. Insights from socio-hydrology modelling on dealing with flood risk: roles of collective memory, risk-taking attitude and trust, Invited presentation at the *AGU Fall Meeting*, 9-13 December 2013, San Francisco, US.
2. Viglione, A., 2013. Dealing with uncertainty in flood-hydrology: complementary approaches, Young scientist invited talk for the *Leonardo conference 'Facets of Uncertainty'*, 17-19 October 2013, Kos Island, Greece.



1. Viglione, A., 2012. Black Swans in Flood Hydrology, Invited talk at the *Vienna Catchment Science Symposium*, Saturday 28th April 2012, Vienna, Austria.

OTHER
CONFERENCE
PRESENTATIONS

2017

102. Viglione, A. et al., 2017. Attribution of regional flood changes based on scaling fingerprints, *AGU Fall Meeting*, 11-15 December 2017, New Orleans, Louisiana, USA.
101. Viglione, A., M. Barendrecht and G. Blöschl, 2017. Socio-hydrological flood models, *IAHS Scientific Assembly*, Port Elizabeth, South Africa, 10-14 July 2017.
100. Parajka, J., et al., 2017. Snow line elevation changes in Europe, *IAHS Scientific Assembly*, Port Elizabeth, South Africa, 10-14 July 2017.
99. Rogger, M. and A. Viglione, 2017. The impact of agricultural practices on soil compaction and runoff, *IAHS Scientific Assembly*, Port Elizabeth, South Africa, 10-14 July 2017.
98. Mangini, W., A. Viglione, J. Hall and J. Parajka, 2017. Flood change: a Pan-European detection of flood trends over the period 1965-2005, *IAHS Scientific Assembly*, Port Elizabeth, South Africa, 10-14 July 2017.
97. Viglione, A. et al., 2017. Attribution of regional flood changes based on scaling fingerprints, *IAHS Scientific Assembly*, Port Elizabeth, South Africa, 10-14 July 2017.
96. Di Baldassarre, G., F. Martinez, Z. Kalantari and A. Viglione, 2017. Modeling Hydrological Extremes in the Anthropocene, *Geophysical Research Abstracts*, Vol. 19, EGU2017-18334.
95. Borzì, I., B. Bonaccorso, A. Viglione and G.T. Aronica, 2017. An Innovative Method for Flood Peak Event Separation from Discharge Time Series, *Geophysical Research Abstracts*, Vol. 19, EGU2017-15793.
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