

Northern European FRIEND

Publications 1997-2002

Adler, M.-J., Busuioc, A., Ghioca, M. & Stefan, S. 1999. Atmospheric processes leading to drought periods in Romania. In: *Hydrological Extremes: Understanding, Predicting, Mitigating* (Eds: Gottschalk, L., Olivry, J.-C., Reed, D. & Rosbjerg, D.), IAHS Publ. no. 255, 29-35.

Andersson, L. & Lepistö, A. 1998. Links between runoff generation, climate and nitrate-N leaching from forested catchments. *Water, Air and Soil Pollution* **105**, 227-237.

Aronica, G., Hankin, B.G. & Beven, K.J. 1998. Uncertainty and equifinality in calibrating distributed roughness coefficients in a flood propagation model with limited data. *Advances in Water Resources* **22**(4), 349-365.

Aschwanden, H. & Kan, C. 1998. Status of low flow analysis in Switzerland. In: FRIEND - UNESCO IHP-V, *Low flows expert meeting*, 10-12 June 1998, Faculty of Civil Engineering, University of Belgrade, 121-132.

Aschwanden, H. & Kan, C. 1998. Auf dem Weg zu einer Niedrigwasserstatistik der Schweiz. In: *Berner Hydrograph*, Geographisches Institut der Universität Bern, **12**, 10-12.

Aschwanden, H. & Kan, C. 1999. Grundlagen zur Bestimmung der Abflussmenge Q347. In: *Hydrologischer Atlas der Schweiz*, Tafel 5.8, 3. Lieferung, Landeshydrologie und -geologie (Hrsgb.), Bern.

Aschwanden, H. & Kan, C. 1999. Die Abflussmenge Q347: Eine Standortbestimmung – Le débit d'étiage Q347 : Etat de la question. *Hydrologische Mitteilungen Nr. 27*, Landeshydrologie und -geologie, Bern, 132.

Aschwanden, H. 2000. Die Abflussmenge Q347. In: *Angemessene Restwassermengen – wie können sie bestimmt werden?* Wegleitung Vollzug Umwelt, Bundesamt für Umwelt, Wald und Landschaft (BUWAL), 77-96, Bern.

Aschwanden, H. 2000. Experiences in Regionalising Q95 in Switzerland. In: *Séminaire international annuel du Groupe AMHY de FRIEND* (Istanbul, Octobre 1998), Rapport annuel No 6 (1997-98), Documents techniques en hydrologie no. 29, UNESCO, Paris.

Beven, K.J. & Blazkova, S. 1999. Estimating changes in flood frequency under climate change by continuous simulation (with uncertainty). In: RIBAMOD, *River Basin Modelling, Management and Flood Mitigation* (Eds: Balbanis, P., Bronstert, A., Casale, R. & Samuels, P.), EU Publication EUR 18287, 269-285.

Beven, K. J., Romanowicz, R. & Hankin, B., 2000. Mapping the probability of flood inundation (even in real time). In: *BHS Occasional Publication* No. 12 (Eds: Lees, M.J. & Walsh, P.D.), 56-63, Wallingford, UK.

Blazkova, S. & Beven, K.J. 1997. Flood frequency prediction for data limited catchments in the Czech Republic using a stochastic rainfall model and TOPMODEL, *J. Hydrol.* **195**, 256-279.

Blazkova, S. & Beven, K.J. 2000. Prediction limits of flood frequency curves on catchments within the Elbe River Basin. In: *Proc. European Conference on Flood Research*, Potsdam, 2000.

Blazkova, S., Beven, K. J. & Kulasova, A. 2002. On constraining TOPMODEL hydrograph simulations using partial saturated area information. *Hydrological Processes* **16**, (2), 441-458.

Buchtele, J., Herrmann, A., Maraga, F. & Bajracharya, O.R. 1998. Simulation of effects of land-use changes on runoff and evapotranspiration. In: *Hydrology, Water Resources and Ecology in Headwaters*, Proc. HeadWater'98 Conference, Meran, Italy, IAHS Publ. no. 248, 99-106.

- Buchtele, J. & Kulasová, A., Tesar, M. & Šír, M. 2000. Long-term experimental monitoring and theoretical modelling of the surface runoff formation in the Šumava and Jizera Mountains (Czech Republic). In: *Monitoring and Modelling Catchment Water Quantity and Quality* (Eds: Verhoest, N.E.C., van Herpe, Y.J.P. & De Troch, F.P.), European Network of Experimental and Representative Basins and IHP NE FRIEND Project 5 Conference, Ghent.
- Cameron, D., Beven, K. J., Tawn, J., Blazkova, S. & Naden, P.S. 1999. Flood frequency estimation by continuous simulation for a gauged upland catchment (with uncertainty). *J. Hydrol.* **219**, 169-187.
- Cameron, D., Beven, K.J. & Tawn, J. 2000. An evaluation of three stochastic rainfall models, *J. Hydrol.* **228**, 130-149.
- Cameron, D., Beven, K.J., Tawn, J. & Naden, P. 2000. Flood frequency estimation by continuous simulation (with likelihood based uncertainty estimation). *Hydrology and Earth System Sciences* **4** (1), 23-34.
- Cameron, D., Beven, K. & Naden, P. 2000. Flood frequency estimation under climate change (with uncertainty). *Hydrology and Earth System Sciences* **4**(3), 393-405.
- Cameron, D., Beven, K.J. & Tawn, J. 2001. Modelling extreme rainfalls using a modified random pulse Bartlett-Lewis stochastic rainfall model (with uncertainty). *Advances in Water Resources* **24**, 203-211.
- Clausen, B. & Biggs, B.J.F. 1998. Streamflow variability indices for riverine environmental studies. British Hydrological Society International Symposium, Exeter, UK.
- Clausen, B. 1999. Kathmandu - Low flow training course and workshop. *Current (New Zealand Hydrological Society Newsletter)* **13**, 3-6.
- Clausen, B. & Biggs, B.J.F. 2000. Flow variables for ecological studies in temperate streams: groupings based on covariance. *J. Hydrol.* **237**, 184-197.
- Clausen, B., Iversen, H.L. & Ovesen, N.B. 2000. Ecological flow variables for Danish streams. Nordic Hydrological Conference, Uppsala, Sweden, NHP Report No. **46**, 3-10.
- Colombo, A.G. & Vetere Arellano, A.L. (eds) 2001. *Lessons Learnt from Storm Disasters*, EUR Report 19941 EN, 2001. European Commission, DG Joint Research Centre, Ispra, Italy.
- Demuth, S. 1998. Hydrologische Extreme – Gedanken zum raum-zeitlichen Verhalten von Niedrigwasserperioden. "Zukunft der Hydrologie in Deutschland", Tagung vom 19.-21. Januar in Koblenz. Bundesanstalt für Gewässerkunde Koblenz, *Mitteilung Heft* **16**, 141-145.
- Demuth, S. 1998. FRIEND '97 – Regionale Hydrologie. 3rd Int. Konferenz, Postojna, Slovenia, *Deutsche Gewässerkundliche Mitteilungen (DGM)* **42**(4), 164-165.
- Demuth, S. 1999. ARIDE – Assessment of the Regional Impact of Droughts in Europe. Climate Science Conference, Vienna City Hall, 19-23 October 1998, Austrian Federal Ministry of Science and Transport 2000, CD-ROM.
- Demuth, S. 2000. International Commission on Surface Water (ICSW). IAHS Newsletter 69, May 2000, 5-6.
- Demuth, S. 2000. FRIEND Workshop über Niedrigwasser. *Zeitschrift für Hydrologie und Wasserbewirtschaftung*, HW 44, H.6, 325-326.
- Demuth, S. 2001. Dürre Zeiten in Europa. *Freiburger Uni-Magazin*. S. 5-6.

- Demuth, S., Lehner, B. & Stahl, K. 2000. Assessment of the vulnerability of a river system to drought. In: *Drought and Drought Mitigation in Europe* (Eds: Vogt, J.V. & Somma, F.), Natural and Technological Hazards Series, Kluwer Academic Publishers, 209-219.
- Demuth, S. & Stahl, K. (eds) 1999. *ARIDE – Assessment of the Regional Impact of Droughts in Europe*. First Annual Report.
- Demuth, S. & Stahl, K. 1999. ARIDE – an example of large-scale data requirements across Europe (extended abstract). In: Int. Workshop on Desertification Convention: *Data and Information Requirements for Interdisciplinary Research*, Alghero, Italy, 63-64.
- Demuth, S. & Stahl, K. (eds) 2000. *ARIDE – Assessment of the Regional Impact of Droughts in Europe*. Second Annual Report.
- Demuth, S. & Stahl, K. (eds) 2001. *ARIDE – Assessment of the Regional Impact of Droughts in Europe*. Final Report. 160.
- Demuth, S. & Stahl, K. (in press) Studying Droughts at a European Scale. In: *International Seminar of the FRIEND AMHY Group* (to be published in UNESCO series), 2001.
- Demuth, S., Bradford, R., Dijkmsa, R., van Lanen, H.A.J. & Peters, E. 2000. A field campaign in the Pang catchment, 12-17 September 1999. *Circulation (Newsletter of the British Hydrological Society)* **64**, February 2000.
- Dole_al, F., Kulhavý, Z., Kvittek, T., Peterková, J., Soukup, M. & Tippl, M. 2000. Influence of drained lands on water quantity and quality in experimental agricultural catchments in foothill regions of Bohemia. In: *Monitoring and Modelling Catchment Water Quantity and Quality* (Eds: Verhoest, N.E.C., van Herpe, Y.J.P. & De Troch, F.P.), European Network of Experimental and Representative Basins and IHP NE FRIEND Project 5 Conference, Ghent, Belgium.
- Engeland, K., Hisdal, H. & Frigessi, A. (submitted) Extreme value modelling of hydrological floods and droughts: a case study. *Extremes*, 2001.
- Fendeková, M. 1999. Space analysis of groundwater runoff changes from selected Slovak catchments. *Slovak Geological Magazine* **5**, (1-2), 37-43.
- Fendeková, M. 2000. Changes in spring yield regime of selected hydrogeological units of Slovakia and prognosis of their further development. In: *Proc. Conference Hydrological days 2000*. (Eds: J. Bucek & M. Tesar), CHMI Prague, 219-226.
- Gottschalk, L. & Krasovskaia, I. 1998. *Grid estimation of runoff data*. Report of the WCP-Water Project B.3: Development of grid-related estimates of hydrologic variables. WMO/TD - No 870. World Meteorological Organization, Geneva.
- Gottschalk, L. & Krasovskaia, I. 2001. River flow regimes in a changing climate. EGS XXVI General Assembly, Nice, *Geophysical Research Abstracts Vol. 3*, CD-ROM.
- Grabs, W. 1999. Integrative management of data and information at the Global Runoff Data Centre. In: Extended Abstracts, Int. Conf. on Quality, Management and Availability of Data for Hydrology and Water Resources Management, Koblenz, Germany.
- Güntner, A., Uhlenbrook, S., Seibert, J. & Leibundgut, Ch. 1999. Multi-criterial validation of TOPMODEL in a mountainous catchment. *Hydrol. Processes* **13**, 1603-1620.

- Gustard, A. & Cole, G.A. 1997. Advances in regional hydrology through East European Cooperation. Final Report to Commission of European Communities, CEH Wallingford, ISBN 0 948540 83 4.
- Gustard, A., Croker, K.M. & Rees, H.G. 1998. Developing regional design techniques for estimating hydropower potential. International symposium on hydrology of ungauged streams in hilly regions for small hydropower development.
- Gustard, A., Acreman, M.C. & Rees, H.G. 1998. Key issues for the successful implementation of spatial policies in the field of water resources. Seminar on Spatial Planning and Water Management: *Droughts and Floods*, 8.
- Gustard, A. & Rees, H.G. 1998. Methods of Hydropower Assessment. Presentation to the Int. Energy Agency Workshop on Hydropower Technologies and Programmes, Nice, France.
- Gustard, A. & Demuth, S. 2001. FRIEND – Ein globales Forschungsnetzwerk. (FRIEND - a global research network), *Hydrologie und Wasserbewirtschaftung Heft 2*, 45. Jahrgang, S. 73-77.
- Herrmann, A. (ed.) 1999. Experimental hydrology with reference to hydrological processes in small research basins. In: *Proc. Internat. Workshop, St. Petersburg-Valdai, Russia, 2-6 June, 1997*.
- Herrmann, A., Bahls, S., Stichler, W., Gallart, F. & Latron, J. 1999. Isotope related hydrological study of mean transit times and related hydrogeological conditions in Pyrenean experimental basins (Vallcebre, Catalonia). In: *Integrated Methods in Catchment Hydrology-Tracer, Remote Sensing and New Hydrometric Techniques* (Eds: Leibundgut, Ch., McDonnell, J. & Schulz, G.), Proc. IUGG 99 Symp. HS4, Birmingham, IAHS Publ. no. 258, 101-109.
- Herrmann, A., Schöniger, M. & Schumann, S. 2001. Integrated approach of investigation and modelling runoff formation considering information from environmental and artificial tracers. *Freiburger Schriften zur Hydrologie 13*, 111-120.
- Heylen, J. 1999. The Hydrological Research Division (HRD) and its HRD Flood Information Centre for the Ministry of Flanders. In: *Extended Abstracts, Int. Conf. on Quality, Management and Availability of Data for Hydrology and Water Resources Management*, Koblenz, Germany.
- Hisdal, H. 2000. Tests for changes in flow regimes. In: *Detecting trend and other changes in hydrological data* (Eds: Kundzewicz, Z.W. & Robson, A.), World Climate Programme, Data and Monitoring, WMO, 93-99.
- Hisdal, H. & Tallaksen, L. (eds) 2000. Drought Event Definition, *ARIDE Technical Report No. 6*, University of Oslo, Norway, 41.
- Hisdal, H., Stahl, K., Tallaksen, L.M. & Demuth, S. 2001. Have streamflow droughts in Europe become more severe or frequent? *Int. J. Climatol.* **21**, 317-333.
- Hisdal, H. & Tallaksen, L. 2001. Regional Drought Characteristics. In: *ARIDE - Assessment of the Regional Impact of Droughts in Europe. Final report* (Eds: Demuth, S. & Stahl, K.), EU contract ENV4-CT-97-0553, Institute of Hydrology, Freiburg, Germany, 56-68.
- Hladný, J., Doležal, F., Rídicová, P., Blažková, Š. & Beven, K. 1999. Hydrological aspects and implications of the July 1997 flood in the Odra Basin in the Czech Republic. In: *Proc. European Expert Meeting on the Oder Flood 1997*. (Eds: Bronstert, A., Ghazi, A., Hladný, J., Kundzewicz, Z., Menzel, L.), RIBAMOD, 18 May 1998 Potsdam, Germany, Environment and Climate Programme 1994-1998, Hydrological and hydrogeological risks, European Communities, Luxembourg, 1999, 89-98.
- Hoeg, S., Uhlenbrook, S. & Leibundgut, S. 2000. Hydrograph separation in a mountainous catchment-combining hydrochemical and isotopic tracers. *Hydrol. Processes* **14**, 1199-1216.

Holko, L., Herrmann, A., Schöniger, M. & Schumann, S. 2000. Groundwater runoff in small mountainous basin (Lange Bramke, Germany) – Testing a separation method based on groundwater table and discharge data. In: *Monitoring and Modelling Catchment Water Quantity and Quality* (Eds: Verhoest, N.E.C., van Herpe, Y.J.P. & De Troch, F.P.), European Network of Experimental and Representative Basins and IHP NE FRIEND Project 5 Conference, Ghent, September 2000.

Hunt, B., Weir, J. & Clausen, B. 2001. A stream depletion field experiment. *Ground Water* **39**(2), 283-289.

Kašpárek, L. 1998. Regional study on impact of climate change on hydrological conditions in the Czech Republic, Prague, VÚV TGM, ISBN 80-85900-22-X.

Kašpárek, L. & Novický, O. 1998. Suitability to combine stochastic and deterministic approaches in estimation extreme hydrological events, NATO Advanced Research Workshop, *Stochastic models of hydrological processes and their applications to problems of environmental preservation*, Moscow, Water Problems Institute, 36-31.

Kašpárek, L. & Novický, O. 1999. The present situation in methods of hydrologic drought analysis, *Workshop 99 Extreme hydrological events in catchments*, Prague, VTS, 111-121.

Kašpárek, L. 2000. Vliv kolísání klimatu na postup výpočtu návrhových hydrologických dat, The influence of climate variability on hydrological design data computation. In: *Hydrological Days 2000* conference, Prague, HMÚ, ISBN 80-85813-76-9, 257-263.

Kašpárek, L. & Novický, O. 2000. The analysis of hydrological drought in Metuje and Orlice basins, *Workshop 2000 Extreme hydrological events in catchments*, Prague, VTS, 81-94.

Kasprzyk, A. & Pokojski, W. 1998. Changes of water balance and hydrological drought occurrence in Poland. *Acta Universitatis Carolinae, ser. Geographica*, Prague, Czech Republic.

Koivusalo, H., Karvonen, T. & Lepistö, A. 2000. A quasi-three-dimensional model for predicting rainfall-runoff processes in a forested catchment in Southern Finland. *Hydrology and Earth System Sciences*, **4** (1), 65-78.

Kostka, Z., Holko, L. & Kulasová, A. 2000. Snowmelt runoff in two mountain catchments. In: *Monitoring and Modelling Catchment Water Quantity and Quality* (ed. Verhoest, N.E.C. & van Herpe, Y.J.P. & De Troch, F.P.), European Network of Experimental and Representative Basins and IHP NE FRIEND Project 5 Conference, Ghent, Belgium.

Krasovskaia, I., Gottschalk, L. & Kundzewicz, Z.W. 1999. Dimensionality of Scandinavian river flow regimes. *Hydrol. Sci. J.* **45** (5), 705-723.

Krasovskaia, I., Gottschalk, L., Rodriguez, A. & Laporte, S. 1999. Dependency of the frequency and magnitude of extreme floods in Costa Rica on the Southern Oscillation Index. In: IAHS Publ. no. 255, 81-89.

Kupczyk, E., Kasprzyk, A., Sztechman, J. & Strzalkowski, K. 1998. Application of spline functions method to streamflow recession curve analysis. In: *Proc. Low Flow Expert Meeting of FRIEND- AMHY Group in Belgrade*, Belgrade, Yugoslavia, 79-88.

Kupczyk, E., Kasprzyk, A., & Radczuk, L. 1998. Seasonal and spatial variability of drought occurrence in Poland. *Proc. Low Flow Expert Meeting of FRIEND- AMHY group in Belgrade*, Belgrade, Yugoslavia, 109-119.

Kupczyk, E., Kasprzyk, A. & Pokojski, W. 1998. Hydrological drought characteristics and regionalization attempts. In: *Tech. Note for the Low Flow Group Meeting No. 9* (October 1998), Rosendal, Norway.

Kupczyk, E., Kasprzyk, A., Suligowski, R., Jakubowski, W., Radczuk, L., Kaspárek, L., Nowicki, O., & Kurkowa, H. 2000. Regional studies of streamflow droughts frequency. In: *Tech. Note for the Low Flow Group Meeting no. 10*, May 2000, Warsaw, Poland.

- Laaha, G. 2000. On methods for evaluating the accuracy of low flow data derived by the rating curve. Northern European FRIEND. *Technical note for the low flow group meeting no. 10*, Warsaw, Poland.
- van Lanen, H.A.J. & Peters, E. 2000. Definition, effects and assessment of groundwater droughts. In: *Drought and Drought Mitigation in Europe* (Eds: Vogt, J.V. & Somma, F.), Kluwer Academic Publishers, the Netherlands, 49-61.
- Leblois, E. & Sauquet, E. 1999. Grid elevation models in hydrology – Part 1: Principles and literature review; Part 2: HydroDEM User's manual. Cemagref, *Technical notes 1*, Lyon, France.
- Sauquet, E. & Leblois, E. 2001. Discharge analysis and runoff mapping applied to the evaluation of model performance, *Physics and Chemistry of the Earth, B: Hydrology, Oceans and Atmosphere*, **26** (5-6), 473-478.
- Leblois, E., Gottschalk, L. & Sauquet, E. 2001. Index flood as the spatial average of local flood production – application to flood mapping. EGS XXVI General Assembly Nice, *Geophysical Research Abstracts* 3, CD-ROM.
- Leblois, E. & Sauquet, E. 2001. Hydrological mapping. EGS XXVI General Assembly Nice, *Geophysical Research Abstracts*, Vol. 3, CD-ROM
- Müller, G. & Peschke, G. 2000. Hydrological Process Studies on the Basis of Adequate Measuring Networks. *Österreichische Wasser- und Abfallwirtschaft*, **52**, 5/6, 94-104.
- Murphy, S. 1999. Investigating climate and water resources variability and predictability in Europe – activity report. Presentation at the FRIEND NW Group Meeting at Cemagref, Lyon, France.
- Peschke, G. & Seidler, C. 1999. Hydrometric approaches to gain a better understanding of saturation excess overland flow. In: *Integrated Methods in Catchment Hydrology-Tracer, Remote Sensing and New Hydrometric Techniques* (Ed: Leibundgut, Ch., McDonnell, J. & Schulz, G.), Proc. IUGG 99 Symp. HS4, Birmingham, IAHS Publ. no. 258, 13-21.
- Peschke, G. & Seidler, C. 2000. Changing nitrate profiles under extreme hydrometeorological conditions. In: *Monitoring and Modelling Catchment Water Quantity and Quality* (Eds: N.E.C. Verhoest, Y.J.P. van Herpe & F.P. De Troch), European Network of Experimental and Representative Basins and IHP NE FRIEND Project 5 Conference, Ghent, Belgium.
- Pokojski, W. 2000. Screening the lowland catchment behaviour in extreme drought conditions. In: Tech. Note for the Low Flow Group Meeting no. 10, Warsaw, Poland.
- Prudhomme, C. 1999. Simple approaches to map hydrological characteristics. Presentation at the FRIEND NW Group Meeting at Cemagref, Lyon, 13-14 December.
- Querner, E.P. 2000. The effects of human interventions in the water regime. *Ground Water*, **38**(2), 167-171.
- Querner, E.P., van Acker, J.B.M. & Moens, R.P. 2000. Analysis of catchment response for regional water systems in the Netherlands. In: *River Flood Defence* (Ed: Toensmann, F. & Koch, M.), Proc. Int. Symp., Kassel, Germany, 51-58.
- Querner, E.P. & van Lanen, H.A.J. 2001. Impact assessment of drought mitigation measures in two adjacent Dutch basins using simulation modelling. *J. Hydrol.* **252**, 51-64.
- Radic, M.Z. (ed.) 1998. *Groundwater in Yugoslavia – the invisible resource* (in Serbian), YU AHS and NC IHP, Novi Sad, 1-93.

- Radic, M.Z. (ed.) 1999. *Everyone lives downstream – do we go upstream?* (in Serbian), YU AHS and NC IHP, Belgrade, 1-169.
- Radic, M.Z. (ed.) 2000. *Water at the end of the XX Century – state and prospective of water resources in Yugoslavia*, (in Serbian), YU AHS and NC IHP, Kotor, 1-150.
- Radic, M.Z. (ed.) 2001. *Water and health – water for life!* (in Serbian), YU AHS and NC IHP, Belgrade, 1-205.
- Radic M.Z. *et al.* 2001. *Water for a sane society –World Water Day in Yugoslavia 1994-2001*, (CD version, in Serbian), YU AHS and NC IHP, Belgrade.
- Rees, H.G. & Cole, G.A. 1998. *European Water Resources*. In: *Europe's Environment: The Second Assessment*, Chapter 9 Inland Waters, European Environment Agency, Elsevier Science Ltd, ISBN 0-08-043204-2.
- Rees, H.G. 1999. The management of the FRIEND European Water Archive. In: *Extended Abstracts, Int. Conf. on Quality, Management and Availability of Data for Hydrology and Water Resources Management*, Koblenz, Germany.
- Rees, H.G. 1999. Issues of hydrological database management. Keynote paper in: *Extended Abstracts, Int. Conf. on Quality, Management and Availability of Data for Hydrology and Water Resources Management*, Koblenz, Germany.
- Rees, H.G. & Cole, G.A. 1999. The Establishment of a Regional Data Centre of the FRIEND European Water Archive for the European Territory of the former Soviet Union. Final report to INTAS (94-4451), Wallingford, UK.
- Rees, H.G., Gustard, A. & Farquharson, F.A.K. 1999. International Institutional Cooperation in Water Resources Assessment through FRIEND. Final report to DFID (Department for International Development) Knowledge Generation & Research Programme, Wallingford, UK.
- Rees, H.G., Croker, K.M., Prudhomme, C., Gustard, A. & Zaidman, M.D. 1999. *European Atlas of Small-scale Hydropower Resources – Final Report* to the European Small Hydropower Association.
- Rees, H.G., Croker, K.M. Prudhomme, C. & Gustard, A. 2000. The European Atlas of small-scale hydropower resources. In: *Proc. Conf. Small Hydro 2000*, Lisbon.
- Rees, H.G. & Prudhomme, C. 2000. Applicability of Celtic data for flow regime estimation in Ireland. In: *Water in the Celtic world: managing resources for the 21st century*. Proc. 2nd Inter-Celtic Colloquium on Hydrology and Management of Water Resources, University of Wales, Aberystwyth, 29-38.
- Rees, H.G. & Demuth, S. 2000. The application of modern information system technology in the European FRIEND project. *Moderne Hydrologische Informationssysteme, Wasser und Boden* **52**(13), 9-13.
- Rees, H.G., Croker, K.M. Zaidman, M.D. & Cole, G.A. 2001. *REFRESHA – Regional Flow Regimes Estimation for Small-scale Hydropower Assessment*. Final Report to UK Department for International Development.
- Roald, L.A. 1999. Quality control of discharge data. In: *Extended Abstracts, Int. Conf. on Quality, Management and Availability of Data for Hydrology and Water Resources Management*, Koblenz, Germany.
- Romanowicz, R. & Beven, K.J. 1998. Dynamic real-time prediction of flood inundation probabilities. *Hydrol. Sci. J.* **43**(2), 181-196.

- Rutenberg, E., Uhlenbrook, S. & Leibundgut, Ch. 1999. Spatial delineation of zones with the same dominating runoff generation processes. In: *Integrated Methods in Catchment Hydrology-Tracer, Remote Sensing and New Hydrometric Techniques* (Ed: Leibundgut, Ch., McDonnell, J. & Schulz, G.), Proc. IUGG 99 Symp. HS4, Birmingham, IAHS Publ. no. 258, 281-284.
- Sambale, Ch., Peschke, G., Uhlenbrook, S. & Leibundgut, S. 2000. Simulation of vertical flow and bromide transport under temporarily very dry soil conditions. In: *Tracers and Modelling in Hydrogeology* (ed. Dassarguee, A.), Proc. of the TraM'2000 Conf., Liège, IAHS Publ. no. 262, 465-471.
- Sauquet, E. 2000. Une cartographie des écoulements annuels et mensuels d'un grand bassin versant structurée par la topologie du réseau hydrographique. Cemagref, Lyon.
- Sauquet, E., Krasovskaia, I. & Leblois, E. 2000. Mapping mean monthly runoff pattern using EOF analysis. *Hydrology & Earth System Sciences* 4(1), 79-94.
- Sauquet, E., Gottschalk, L., & Leblois, E. 2000. Mapping average annual runoff: A hierarchical approach applying a stochastic interpolation scheme. *Hydrol. Sci. J.* 45(6), 799-815.
- Seuna, P. 1999. Hydrological effects of forestry treatments in Finland. Invited lecture at the Int. Symp. on Flood Control, Beijing, China.
- Shorthouse, C.A. 1999. Effects of climatic variability on spatial characteristics of European river flows. PhD thesis, Department of Geography, University of Southampton, UK.
- Skaugen, T. 1997. Classification of rainfall into small and large-scale events by statistical pattern recognition. *J. Hydrol.* 200, 40-57.
- Skaugen, T. 1999. Estimating the mean areal snow water equivalent by integration in time and space. *Hydrol. Processes* 13, 2051-2066.
- Skaugen, T. 2001. Simulation of discharge fields. In: *The Extremes of the Extremes*, Proc. Int. Symp., Reykjavik, Iceland, IAHS Publ. no. 271.
- Solin, L. 1999. Lowflow – factors controlling its spatial variability and identification of hydrogeographical regional types in Slovakia. Presentation at the FRIEND NW Group Meeting at Cemagref, Lyon, France.
- Stahl, K. & Demuth, S. 1999. Linking streamflow drought to the occurrence of atmospheric circulation pattern. *Hydrol. Sci. J.* 44(3), 467-482.
- Stahl, K. & Demuth, S. 1999. Investigating the influence of atmospheric circulation pattern on streamflow drought in southern Germany. XXII IUGG General Assembly, Birmingham, UK, *Symposium 1: Hydrological Extremes: Understanding, Predicting, Mitigating*. IAHS Publ. no. 255, 19-27.
- Stehlik, J. 2000. Searching for chaos in rainfall and temperature records – a nonlinear analysis of time series from an experimental basin. In: *Monitoring and Modelling Catchment Water Quantity and Quality* (Eds: Verhoest, N.E.C., van Herpe Y.J.P. & De Troch, F.P.), European Network of Experimental and Representative Basins and IHP NE FRIEND Project 5 Conference, Ghent, Belgium.
- Tallaksen, L.M. & Hisdal, H. (eds) 1998. Nordic Seminar on Low Flow, 19-21 November 1997, *Norwegian Hydrological Council Report* no. 4.
- Tallaksen, L.M. & Hisdal, H. 1998. Recommendations from a Nordic seminar on low flow. *Vannet i Norden* 31, 5-6.

Tallaksen, L.M. & Hisdal, H. 1999. Methods for Regional Classification of Streamflow Drought Series: The EOF Method & L-moments. *ARIDE Technical Report No. 2*, University of Oslo, Norway.

Tallaksen, L.M. 2000. Streamflow drought frequency analysis, In: *Drought and Drought Mitigation in Europe* (Eds: Vogt, J.V. & Somma, F.), Kluwer, the Netherlands, 103-117.

Tate, E.L. & Gustard, A. 2000. Drought definition: a hydrological perspective. In: *Drought and Drought Mitigation in Europe* (Eds: Vogt, J.V. & Somma, F.), Kluwer, the Netherlands, 23-48.

Tesar, M., ěír, M., Pra ěák, J., Syrovátka, O. & Eliáš, V. 2000. Soil moisture conditions in the basin as a factor controlling surface runoff formation: Process observation, assessment and modelling in the Sumava Mountains (Southern Bohemia, Czech Republic). In: *Monitoring and Modelling Catchment Water Quantity and Quality* (Eds: Verhoest, N.E.C., van Herpe Y.J.P. & De Troch, F.P.), European Network of Experimental and Representative Basins and IHP NE FRIEND Project 5 Conference, Ghent, Belgium.

Uhlenbrook, S. & Leibundgut, S. 1999. Integration of tracer information into the development of a rainfall-runoff model. In: *Integrated Methods in Catchment Hydrology-Tracer, Remote Sensing and New Hydrometric Techniques* (Eds: Leibundgut, Ch., McDonnell, J. & Schulz, G.), Proc. IUGG 99, Symp. HS4, Birmingham, July 1999, IAHS Publ. no. 258, 93-100.

Uhlenbrook, S., Leibundgut, S. & Maloszewski, P. 2000. Natural tracers for investigating residence times, runoff components and validation of a rainfall-runoff model. In: *Tracers and Modelling in Hydrogeology* (Ed: Dassarguee, A.), Proc. TraM'2000 Conf., Liège, IAHS Publ. no. 262, 465-471.

Uhlenbrook, S. & Leibundgut, Ch. 2002. Process-oriented catchment modelling and multiple-response validation. *Hydrological Processes* **16** (2), 423-440.

Vetere Arellano, A.L. Scientific Report on TMR (Marie Curie Research Training Grant), *Understanding flood risk and permeable catchments*. European Commission, Directorate of Science, Research & Development, Brussels, Belgium.

Vetere Arellano, A.L. & Clark, C. 2001. A 360-year historic flood record for the Avon at Salisbury, England, Presented at the International Workshop on *River Runoff: Minima and Maxima*, St Petersburg, Russia.

Vetere Arellano A.L., Samuels, P. & Webster, P. 2000. Runoff processes in permeable catchments. In: *Proc. European Conference on Flood Research, Potsdam*.

Vetere Arellano, A.L., Samuels, P. G. & Webster, P. 2000. Flood prediction in permeable catchments. In: *The Extremes of the Extremes*, Proc. Int. Symp., Reykjavik, Iceland, IAHS Publ. no. 271.

Vogt, J.V., Gustard, A., Rees, H.G. & Viau, A.A. 2000. General conclusions and proposal for a European Network on Drought Research and mitigation (ENDRM). In: *Drought and Drought Mitigation in Europe* (Eds: J Vogt, J.V. & Somma, F.), Kluwer, the Netherlands, 23-48.

Vukmirovic, V., Radic, M.Z. & Bulu, A. (eds) 1998. *Low flows expert meeting*, FRIEND UNESCO IHP-V, FRIENDAMHY, Group and Faculty of Civil Engineering, University of Belgrade, 1-160.

Warmerdam, P., Torfs, P. & Mollema, P.J. 1999. Neural networks as a tool in hydrological modelling. In: *Experimental hydrology with reference to hydrological processes in small research basins* (Ed: Herrmann, A.), Proc. Int. Workshop, St. Petersburg-Valdai, Russia, 2-6 June 1997, 64-70.

Weir, J., Hunt, B. & Clausen, B. 2000. Stream depletion from groundwater pumping. In: *New Zealand Hydrological Society Conference Proceedings*, Christchurch, 190-191.

Young, A.R., Gustard, A., Bullock, A.E. & Croker, K.M. 2000. A river network based hydrological model for predicting natural and influenced flow statistics at ungauged sites: Micro LOW FLOWS. *Sci. Tot. Environ.* **251/252**, 293-304.

Young, A.R., Round, C.E. & Gustard, A. 2000. Spatial and temporal variations in the occurrence of UK low flow events. *Hydrology & Earth System Sciences* **4**(1), 35-45.

Zaidman, M.D., & Gustard, A. 2000. Recharge estimation using base flow separation – application to monitoring of drought in Europe. *ARIDE Technical Report No.14*, CEH Wallingford, UK.

Zaidman, M.D. & Rees, H.G. 2000. Spatial patterns of streamflow drought in western Europe, 1960-1995. *ARIDE Technical Report No. 8*, CEH Wallingford, UK.

Zaidman, M.D., Rees, H.G. & Gustard, A. 2000. An electronic atlas for visualisation of streamflow drought. *ARIDE Technical Report No. 7*, CEH Wallingford, UK.

Zaidman, M.D., Rees, H.G. & Young, A.R. (submitted) Characterising dynamic aspects of streamflow drought development in Northwest Europe. *Hydrology & Earth System Sciences*.

Zhuravin, S.A. 1999. Special observation data for Russia and its use for monitoring of the land humidity regime changes. In: *Extended Abstracts, Int. Conf. on Quality, Management and Availability of Data for Hydrology and Water Resources Management*, Koblenz, Germany.