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PROFESSIONAL PREPARATION

Hydrometeorological Institute, St.Petersburg, Russia	Hydrology and Hydraulics	B.S.	1981
Hydrometeorological Institute, St.Petersburg, Russia	Hydrology and water resources	M.S.	1983
Hydrometeorological Institute, St.Petersburg, Russia	Hydrology and water resources	Ph.D.	1996

PROFESSIONAL EXPERIENCE

2003-Present *Research Scientist.* Water Systems Analysis Group, University of New Hampshire.
2000-2003 *Visiting Research Scientist.* Water Systems Analysis Group, University of New Hampshire.
1997-2000 *Visiting Post Doctoral Associate.* Water Systems Analysis Group, University of New Hampshire.
1983-2003 *Junior Scientist, Research Scientist, Senior Scientist.* The State Scientific Center of Russian Federation Arctic and Antarctic Research Institute, Department of Estuary Hydrology and Water Resources.
1981-1983 *Research Assistant.* The Leningrad Hydrometeorological Institute, the Chair of Hydrological Forecasts,.

PUBLICATIONS – MOST CLOSELY RELATED

Shiklomanov A. I., R.B. Lammers, M. A., L. Smith, T. Pavelsky (2007). Changes in Maximum Discharge From a new Russian Dataset. *Journal of Geophysical Research.* (In press).

Shiklomanov A. I., T. I. Yakovleva, R. B. Lammers, I. Ph. Karasev, C. J. Vörösmarty, E. Linder, (2006). Cold Region River Discharge Uncertainty - Estimates from Large Russian Rivers. *Journal of Hydrology*, 326 (2006), p. 231–256.

Shiklomanov I.A. and A.I. Shiklomanov. (2003) Climatic Change and the Dynamics of River Runoff into the Arctic Ocean. *Water Resources*. Vol.30, #6 November 2003, pp. 593-601.

Shiklomanov A.I., R.B. Lammers, C.J. Vörösmarty (2002) Widespread Decline in Hydrological Monitoring Threatens Pan-Arctic Research, *EOS Transactions, American Geophysical Union*, v. 83, no. 2 (January 8, 2002), pages 13,16,17.

Peterson, B.J., R. M. Holmes, J.W. McClelland, C.J. Vorosmarty, R.B. Lammers, A.I. Shiklomanov, I.A. Shiklomanov and S. Rahmstorf (2002) Increasing river discharge to the Arctic Ocean. *Science*, 298, 2171-2173.

Shiklomanov, I.A., A.I. Shiklomanov and R.B. Lammers, B.J. Peterson and C.J. Vörösmarty The Dynamics of River Water Inflow to the Arctic Ocean, in E.L. Lewis, et al. (eds.) *The Freshwater Budget of the Arctic Ocean*, Kluwer Academic Press, Dordrecht, 281-296, 2000.

OTHER SELECTED PUBLICATIONS

Rawlins, M. A., C. J. Willmott, A. Shiklomanov, E. Linder, S. Frolking, R.B. Lammers, and C. J. Vorosmarty (2006), Evaluation of trends in derived snowfall and rainfall across Eurasia and linkages with discharge to the Arctic Ocean, *Geophys. Res. Lett.*, 33, L07403, doi:10.1029/2005GL025231)

Yang, D., Ye, B., Shiklomanov, A. (2004). Discharge characteristics and changes over the Ob River watershed in Siberia. *Journal of Hydrometeorology*, Vol. 5 No. 4, 2004, pp.595-610.

Lammers, R.B., A.I. Shiklomanov, C.J. Vörösmarty, B. M. Fekete and B.J. Peterson (2001)
Assessment of Contemporary Arctic River Runoff Based on Observational Discharge Records,
JGR-Atmospheres, 106(D4):3321-3334.

Shiklomanov I.A. and Shiklomanov A.I. 1999. Assessment of the impacts of climate variability and
change on the hydrology of Asia and Australia. Chapter 7 In Monograph: "Impacts of Climate
Change and Climate Variability on Hydrological Regimes" Edited by Jan C. van Dam,
Cambridge University Press, 192 pp.

Shiklomanov A.I. 1997 . On the effect on anthropogenic change in the global climate on river runoff
in the Yenisei basin. Runoff. Computations for Water Projects. Proc. of the St. Petersburg
Symposium 30 Oct.-03 Nov. 1995. IHP-V UNESCO *Technical Docum. in Hydrology*, N9 p.113-
119.

Shiklomanov A.I. 1994. The influence of anthropogenic changes of global climate on the runoff in the
basin of Yenisei. *Meteorology and Hydrology*. №2, p.84-93.(in Russian)

SYNERGISTIC ACTIVITIES

Database Development:

Co-developed "R-ArcticNet – A regional hydrographic data network for the pan-Arctic region," a
database of river discharge covering the pan-Arctic drainage basin. Available at: [http://www.r-
arcticnet.sr.unh.edu/](http://www.r-arcticnet.sr.unh.edu/) and on CD-ROM from NSIDC, Boulder, CO.

Membership in National/International Organization:

Member, Russian Geographical Association
Member, American Geophysical Union

Reviewer:

Journal of Climate;
Journal of Geophysical Research
Journal of Hydroclimatology;
Hydrological Processes Journal;
Journal of Water Resources Research;
Annals of Glaciology.

Service:

Contributing author, Arctic Climate Impact Assessment (ACIA), 2003-2005;
Contributing author, The Northern Eurasia Earth Science Partnership Initiative (NEESPI) Science
Plan, 2004.

RECENT COLLABORATIONS (past 48 months)

O.A. Anisimov (State Hydrological Institute, Russia), B. Fekete (U New Hampshire), S. Frolking (U
New Hampshire), V.Yu. Georgievsky (State Hydrological Institute, Russia), V.V. Gordeev (Russian
Acad. Sciences), R.M. Holms (Woods Hole Research Center), V.V. Ivanov (Arctic and Antarctic
Research Institute, Russia), Meybeck (U Paris VI), B.J. Peterson (Marine Biological Lab.), T. Prowse
(Institute of Hydrology, Canada), M. Rawlins (U New Hampshire), J.E. Salisbury (U New
Hampshire), M. Serreze (CU Boulder), I.A. Shiklomanov (State Hydrological Institute, Russia), D.
Walsh (U Illinois), C.J. Willmott (U Delaware), T. Zhang (CN Boulder), A.V. Zhulidov
(Hydrochemical Institute, Russia), D. Yang (UA Fairbanks)

GRADUATE ADVISORS

Ph.D. – Vladimir V. Ivanov, Arctic and Antarctic Research Institute, Russia –1996

M.Sc. – Vadim G. Orlov, Leningrad Hydrometeorological Institute, Russia – 1983

RESEARCH INTERESTS:

Cold region runoff formation.

The influence of anthropogenic activities and global climate change on the hydrological cycle.

Discharge of surface waters to the Arctic Seas, its variability and major drivers.

Organization of hydrometeorological information and support of operational hydrological data.

Hydrological application of remote sensing products.