

Alexander Danilenko
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Education

- **M.Sc. in Resource Economics 1998**, University of Massachusetts, Resource Economics Department, Amherst, Massachusetts, USA
- **Ph.D. in Physical Environmental Chemistry 1992**, Kazakh National Academy of Science, Chemistry Institute, Almaty, Kazakhstan
- **M.Sc. in Chemistry 1981**, Kazakh National State University, Chemistry Department, Almaty, Kazakhstan

Languages: English (fluent), Russian (native), Ukrainian and Kazakh, (working knowledge), Chinese and French (basic level)

Summary. More than 20 years experience in environment, water supply and sanitation development, environmental studies, and pollution research for international organizations. Conducted environment and water investment projects' identification, preparation supervision and evaluation. Participated in national environmental and water sector plan development. Experience in environment, health sector, and general economic analysis and institutional development (health, water and ground pollution assessment, institutional analysis, economic analysis, health sector analysis, inter-agency communications, preparation of implementation manuals and presentations). Professional expertise in environmental and institutional aspects of water supply and sanitation, health care, and environmental regulation. Analyzed of the public sector development projects under World Bank Programs. Direct involvement in management, analysis, and support related to infrastructure reform, environmental management and health reform projects in Europe and Central Asia. Prior international carrier conducted scientific research on environment protection in leading institutions of the former USSR.

Professional Highlights

Project development and management. Developed and prepared environmental and municipal water projects in twelve countries of the ECA region. Carried-out economic, institutional and environmental assessment of the projects, conducted implementation monitoring and post-project evaluation. Analyzed institutional implications of selected World Bank projects in Central Asia and Eastern Europe. Conducted economic analyses and incremental cost analyses for the World Bank and Global Environmental Facility projects. Supported initiation of several GEF projects in Russia, Moldova, Ukraine and Bosnia-Herzegovina. Conducted preparation and supervision of the projects in Egypt, Lebanon, Belarus, Russia, China, Azerbaijan, and other countries.

Policy development. Produced sector notes for municipal water and sanitation and National Environmental Action Plans for several countries. Provided support for the water sector reform in the New Independent States (NIS). Prepared and managed water utility performance indicators' projects in nine countries of the former USSR. Developed the water reform guide for the NIS published by the OECD. Provided analyses of the institutional and economic reforms of the water sector, private sector participation and social aspects of the water reform (water subsidies for poor, right for the access for clean water, and other topics). Maintained research on performance indicators in around 90 countries around the world managing the *International Benchmarking Network of the World Bank (IBNET)* – the World data bank of the water sector performance. Wrote a manual for water tariff reform in ECA in 2003. Published *Water Market Europe* book in 2005.

Economic sector work. Conducted studies on financial and quasi-fiscal subsidies in infrastructure sector in Egypt, Europe and Central Asia. Maintained energy and water sector performance database for water and energy sector for 29 countries of the region. Produced reports and policy notes on the basis of economic

information and econometric models. Developed aggregation software for water sector assessment on country and regional level. Provided comments and peer advisory services for environmental and water projects and sector studies. Participated in development of the Natural Disaster Management Strategy for the ECA region.

Research. Conducted nutrient pollution assessment of the Black Sea/Danube watershed; evaluated economic and technical performance of the water and sanitation utilities; conducted scientific research on sulfur dioxide pollution of natural objects; mercury pollution of soils and natural waters in Central Kazakhstan and industrial wastewater utilization that became foundation of several World Bank projects.

Work experience

May. 05- to date	The World Bank (Washington DC, USA), Global Water Practice , International Water Benchmarking network (IBNET) manager.
Aug. 03- May 05	The World Bank (Washington DC, USA) , Environmental Economist in water supply, sanitation, waste management and environmental projects in ECA region, and in sector studies for the region.
Mar.01- Aug. 03	OECD (Paris, France) Senior Adviser on municipal water reform in former Soviet Union. Black Sea pollution from the municipal sources research.
May 98 – Mar. 01	The World Bank (Washington DC, USA) , Resource and Environmental Economist in water supply, sanitation, waste management and environmental projects in ECA region.
Mar.94 – Aug.96	Abt Associates (USAID-Funded Health Reform Project, Almaty, Kazakhstan) Technical Health Specialist: technical analysis and coordination of USAID-funded health reform project in Central Asian countries.
Sept.81- Mar.94	Kazakh National State University, (Almaty, Kazakhstan) , scientific research in sulfur dioxide pollution of natural objects; mercury pollution of soils and natural waters in Central Kazakhstan and industrial wastewater utilization.

Selected Publications

1. World - The IBNET water supply and sanitation blue book 2014 , Danilenko,Alexander V.; Van Den Berg,Caroline; Macheve,Berta Adelaide Da Silva; Moffitt,Larry Joe | Apr 2014
2. The IBNET water supply and sanitation performance blue book Van Den Berg,Caroline; Danilenko,Alexander V. | Dec 2010
3. Water operators from emerging markets : new players for public-private partnerships: Marin,Philippe; Izaguirre Alvarado Bradley,Ada Karina; Danilenko,Alexander V. | Jun 2010
4. Climate change and urban water utilities : challenges and opportunities, Danilenko,Alexander V.; Dickson,Eric; Jacobsen,Michael Peter Steen | Jun 2010
5. Alexander Danilenko, Alexandra Child Water Market Europe, Opportunities in EU Accession, the Framework Directive & the CIS, 480 pp., 2005
6. Alexander Danilenko. Russian privatization disappoints, GWI: v. 5, No 12, p.19, 2004.
7. Alexander Danilenko. Kazakhstan Takes the Slow Road. Water Sector Development GWI: v.5, No9, pp.17-18, 2004