

CURRICULUM VITAE

1. **Name:** Mikhail
2. **Date of birth:** June 24, 1949
3. **Nationality:** Belorussian
4. **Civil status:** Single
5. **Education:**

<i>Institution</i>	<i>Degree</i>
Belarusian State University, Minsk, Belarus (09.1966 – 06.1969) Faculty: Geology and Geography	Belarusian State University, Minsk, Belarus (09.1966 – 06.1969) Faculty: Geology and Geography
Kiev State University named after T. Shevchenko, Kiev, Ukraine (09.1969 – 06.1971) Faculty: Geology	M.Sc. (Ing.) University Diploma (Geology and Hydrogeology), Ш № 079689
Central Research Institute for Complex Use of Water Resources, Minsk, Belarus (11.1971 - 05.1979)	Ph. D., Hydrogeology , Certificate ГМ № 002065
Moscow State Lomonosov University, International Course on Hydrological Sciences. UNESCO – Sponsored (06.1982 – 07.1982)	Certified Hydrologist , Certificate No 643
Belarusian Scientific Research Centre “Ecology”, Minsk, Belarus (09.1992 – 12.1998)	Doctor of Science, Certificate ДН 000125
Belarusian Scientific Research Centre “Ecology”, Minsk, Belarus (10.2003 – 12.2003)	Environmental Audit Specialist , Certificate No 2648
Ministry of Natural Resources and Environmental Protection of the Republic of Belarus. Minsk, Belarus (09.2006 – 09.2006)	Ecological Auditing Specialist, Certificate No 007
International Ecological University named after A. Sakharov, Minsk, Belarus (09.2007 – 07.2011)	Professor Certificate, Certificate No. АП 000629
Short Pilot Course on "Trans-boundary Groundwater Management", UNESCO HQ, Paris (12.2010 – 12.2010)	UNESCO Certificate

6. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent, 5 - basic)

<i>Language</i>	<i>Reading</i>	<i>Speaking</i>	<i>Writing</i>
Russian	Mother tongue		
English	2	2	2
Belarus	4	4	4

7. **Membership of professional bodies:**

International Network OF BASIN Organization (INBO): the representative of Belarus in **CEENBO**, EECCA-NBO

International Association of Hydrogeologists (**IAH**);

International Academy of Ecology;
Geographic Society, Republic of Belarus

8. Other skills (e.g. computer literacy, etc.):

- Computer skills: Microsoft Word, Excel, Power Point, Illustrator.
- Excellent coordination and management skills
- EXTENSIVE EXPERIENCE IN Cross-cultural contexts on institutional issues in the environmental sector at international and national

9. Years within the firm: Free-Licensed Consultant Since 2010

10. Key qualifications:

Water Supply and Wastewater, Integrated Water and Land Management: Water Quality Impact Assessment; Water Resources Management and Protection; Water Bodies and Wetlands Ecosystems Management (Belarus).

Institutional Management of Water Resources: Elaboration of Proposals for Improvement of the Existing Institutional Systems **Legislation** (Belarus, Uzbekistan).

Integrated Water and Land Management: Water Quality Impact Assessment; Water Resources Management and Protection; Water Bodies and Wetlands Ecosystems Management (Belarus).

Water Planning, Transboundary River and Wadi Basin Management (groundwater and surface water) – Water Resources Management Plans Development for the rivers Dnieper, Pripyat, Niemen, Zapadnaya Dvina (Belarus), Syr-Darya (Central Asia); Wadi Hadramaut, Rabwa, Ahwar (Yemen).

Monitoring of the Water Resources: Development of the Location System for the Groundwater and Surface Water Monitoring Network (Belarus, Ukraine, Yemen). Groundwater Monitoring Systems Set-up and Construction Supervision; Monitoring Systems and Data Processing; Water Quality Assessment; Development of the Maps of Water Quality for Groundwater and Surface Water Resources.

Capacity Building and Public Participation: involvement in the water sector stake-holders coordination by setting up the Basin Councils and/or Working Groups; organization of international basin-wide field surveys and training courses, workshops, and conferences on the Implementation of the WFD), participation as an expert in: the international environment protection and management projects, e.g. within the NANO funded projects; the existing Trans-boundary Water Commissions. Participation in the development of Institutional changes and legislation upgrade as well as the capacity building support.

11. Specific Eastern European and CIS experience:

<i>Country</i>	<i>Date: from (month / year) to (month / year)</i>
ASERBAIJAN	1986-1990
BELARUS	1966-2015
CZECH REPUBLIC	1978-1979
KAZAKHSTAN	1984, 1986-1990, 2010-2016
KIRGHIZSTAN	1984 – 1990, 2011, 2016
MOLDOVA	2013 - 2014
POLAND	1999, 2000, 2006, 2008
RUSSIA	1984, 1986 - 1990, 1999 - 2008
SWEDEN	2004 – 2008, 2010
TAJIKISTAN	1984, 2003 – 2008, 2011
UKRAINE	1969-1973, 1982 - 1990, 2003 - 2007
UZBEKISTAN	1984, 1986-1990, 2010-2011
YEMEN	1978, 1980, 1990-1992

12. Professional Experience Record:

Date	1973 – 1990	Location	Belarus
Company	Central Research Institute for Complex Use of Water Resources 1/2 Slavinskogo str., 220086, Minsk tel.: + 375 17 267-65-22 www.cricuwr.by	Position	Project Manager, Local Co-manager, Contract Leader, Consultant
Description: Implementation of various projects related to the study of hydrogeological conditions for the areas of different scale; assessment of the groundwater operational resources and natural resources; development of the groundwater monitoring networks; conduct the theoretical and field studies of groundwater hydro-dynamic patterns; assessment for groundwater modelling for the areas of intensive mining development as well as for the areas with the intensive irrigation and drainage. Scientific guidance of projects related to the development of water management plans for the trans-boundary river basins. Assistance in the financial project management (costs estimate and implementation schedule monitoring).			
Reference person: Dr. Mikhail Murashko			
Main tasks:			
<ul style="list-style-type: none"> • Collection and Assessment of the primary data, field and laboratory hydrological and hydrogeological studies to obtain data for groundwater modeling, developing of hydrogeological and geological maps , project report collation management of the scientific studies in Belarus, scientific leadership for the hydrogeological studies accomplished at 14 scientific institutes of the republics of the former USSR as well as in the countries of Far East 			

Date	2003 - 2010	Location	Belarus
Company	Central Research Institute for Complex Use of Water Resources of Ministry of natural resources environment of Belarus 1/2 Slavinskogo str., 220086, Minsk, Belarus, tel.: + 375 17 267-65-22 www.cricuwr.by	Position	Director
Description: Scientific leadership and supervision of the projects related to the development of the water management plans within trans-boundary river basins (in accordance with the Water Framework Directive). Implementation of the Water Framework Directive.			
Reference person: Mr. Leontii Horujik – Former Minister of Natural Resources and Environment of the Republic of Belarus			
Main tasks: Assistance in the projects financing, projects cost estimate, and monitoring the schedule of project implementation. <i>Scientific Manager:</i> Development of the Programme of the State Committee on Sciences & Technology of Belarus “Environmental Security”, chapter “Inventory of water objects”			

Date	1974 - 1978	Location	Uzbekistan, Kazakhstan, Kyrgyzstan, Tadjikistan in Fergana Valley
Company	Minvodhoz USSR, Russia, Moscow	Position	Team Leader of Experts
Description: The project dealt with the Integrated Water and Land Management, water quality and quantity monitoring, development and implementation of sustainable water resources management strategies within trans-boundary Syr-Darya River basin, trans-boundary cooperation in water management between the Central Asia countries.			

Reference person: Dr. Boris Maslov
Project: "Control on water distribution in low water years". Funding source: Minvodhoz USSR.

Date	1978 - 1980	Location	Yemen
Company	Yemen Ministry of Agriculture and Irrigation	Position	Consultant on the water resources management

Description: The project dealt with the Integrated Water and Land Management, water quality and quantity monitoring, development and implementation of sustainable water and land resources management strategies in Wadi Hadramaut. Justification of the groundwater monitoring network, search for and identification of the locations suitable for construction of the underground water storage reservoirs, mathematic modelling of the aquifers; water balances calculations; forecast in groundwater quality changes at the designated locations.

Reference person:

Project: "Development of schemes of complex use of water and land recourses in Wadi Hadramaut". Fundir F.A.O.

Date	1978 - 1979	Location	Czech Republic
Company	Minvodhoz USSR, Russia, Moscow	Position	Team Leader

Description: The project dealt with the aquifers assessment, water quality and quantity monitoring, development and implementation of the sustainable water resources management strategies in the river basins, groundwater mathematical modelling, justification of the location of the groundwater monitoring networks.

Reference person: Dr. Boris Maslov

Project: "Development of the methods and design programme for the parameters optimisation for the groundwater taking". Funding source: Minvodhoz USSR.

Date	1984	Location	Uzbekistan, Kazakhstan, Kyrgyzstan, Tajikistan in Fergana Valley
Company	Minvodhoz USSR, Russia, Moscow Kazakhstan Agency of the Applied Ecology, Amangeldy Str., 70 A, 050012, Almaty, Kazakhstan;	Position	Team Leader

Description: The project dealt with the Integrated Water Management, water quality and quantity monitoring, sustainable water resources management strategies development. Collection and analysis of the hydrogeological data, data of groundwater usage, study of the groundwater regime for development of the mathematical model of the aquifer in Fergana Valley.

Reference person: Prof. Malik Burlibayev MBurlibayev@yandex.ru

Project: "Assessment of the potentials of underground water use for irrigation in Fergana Valley (Kyrgyzstan, Tajikistan, Uzbekistan) area by application of the mathematic modelling". Contract No 184/ 84. Funding source: Minvodhoz USSR.

Date	1986 - 1990	Location	Azerbaijan, Kazakhstan, Russia, Uzbekistan, Ukraine
Company	State Committee of the USSR Council of Ministers on foodstuffs and procurement Russia, Moscow	Position	Team Leader

Description: The project dealt with the aquifer resources, water quality and quantity monitoring, development and implementation of sustainable trans-boundary water resources management strategies. In addition, locally suitable underground water storage technologies were developed and applicable sites for their implementation were identified.

Reference person: Dr. Boris Maslov

Project: "Development of the scientific and technical measures pattern on creation of underground water storages for irrigation and water supply purposes". State order 04.02.02 D. Funding source: Minvodhoz USSR.

Date	1988	Location	Yemen
Company	Yemen Ministry of Agriculture and Irrigation	Position	Consultant
Description: Project was related to the Integrated Water and Land Management, water quality and quantity monitoring, development and implementation of sustainable water and land management strategies in Wadi Ahwar and Wadi Rabwa. Assessment of the effect of the climate change and the irrigation on both surface and groundwater resources.			
<u>Project:</u> "Development of schemes of complex use of water and land resources in Wadi Ahwar and Wadi Rabwa", Yemen Contract Glavzarubezhvodstroi (Moscow) – Yemen Ministry of Agriculture and Irrigation No 7201261400. Funding source: F.A.O.			

Date	1990 - 1992	Location	Yemen
Company	Yemen Ministry of Agriculture and Irrigation	Position	Senior Engineer-Hydrogeologist
Description: Project was related to the Integrated Water and Land Management, water quality and quantity monitoring, development and implementation of the sustainable water and land resources management strategies in the river basins. Underground water storage technologies suitable for the local conditions were developed and applicable sites for their implementation were identified.			
Reference person:			
<u>Project:</u> "Schemes of water and land resources management in the eastern and southern provinces of the Yemen Republic", Yemen Republic. Contract Zarubezhvodstroi (Moscow) – Yemen Ministry of Agriculture and Irrigation No 7201263500. Funding source: F.A.O.			
Date	1992 - 1999	Location	Belarus
Company	Belarusian Scientific Research Centre "Ecology", 31 A V.Khoruzhaya Str., 220002, Minsk, Belarus	Position	Vice-Director (Scientific)
Description: 1. <u>Projects:</u> 1. "Development of the «Guidelines for the Investors in Environment, Health care & Security" for the European Commission and European Bank for Reconstruction and Development, London. 2. "Development of the Local Plan of Actions on the environmental protection on the city and region levels in Belarus (City: Kobrin, Mozir, Rechiza, Orsha....)".			
Reference person: Viktor Vaaks			

Date	2002 - 2003	Location	Norway – Sweden - Belarus
Company	UNEP/Grid-Arendal The UN House Teaterplassen 3, N-4836 Arendal, Norway Fax:+4737035050	Position	Team Leader of Expert
Description: Project was aimed at analysis of the condition and usage of natural resources, including surface and groundwater, development of the web-page and production of CDs.			
Reference person: Prof. Valentin Yemelin www.grida.no			
<u>Project:</u> "Development of the extended report version on natural resources usage and environmental protection in Belarus". Funding source: Sweden Environmental Agency.			

Date	2002 - 2003	Location	Belarus
Company	GEF (Global Environmental Fund) – UNDP, Minsk Office	Position	Team Leader of Expert
Description: Assessment of both surface and groundwater resources that have been transformed due to the climate change within last 100 years. Prognosis of water level and water quality changes for various climate variation scenarios. Organization of international workshops.			
Reference person:			
<u>Project:</u> "Preparation of the First National Communication in Response to Belarus Commitment under the UNFCCC". Module "Impact Assessment of the climate change on the territory of Belarus, vulnerability and adaptation of social and economic systems to climate change" on the			

base of the methodology of the Inter-governmental Group of Experts on Climate Change, Module "Water Management". Funding source: GEF – UNDP.

Date	2003 – 2004	Location	Belarus – Ukraine
Company	Mott-MacDonald/ARCADIS Consortium;	Position	Team Leader of Experts, Belarus
Description: Project was related to water resources, water quality and quantity monitoring, development and implementation of sustainable water resources management strategies in trans-boundary Pripyat River basin, development of water management plans, definition of the priority measures in protection and use of groundwater and surface water. Recommendations have been prepared how to improve the water legislation in both Belarus and Ukraine. Organization of international workshops for stake-holders on Implementation of Water Framework Directive.			
Reference person: Mr. Stephen Parsons stephen.parsons@mottmac.com			
Project: EU TACIS Project No SCR-E/111231/C/SV/W "Joint River Management Programme. Monitoring and Water Quality Assessment. Basin of the River Pripyat. Funding source: EU TACIS Project No SCR-E/111231/C/SV/W.			

Date	2003	Location	Ukraine – Belarus – Russia
Company	UNDP – GEF	Position	Expert, Member of the Intergovernmental Dniepr Council
Description: Project was related to the environment and water resources assessment, water quality and quantity monitoring, development and implementation of sustainable water resources management strategies for trans-boundary Dnieper River basin as well as development of water management plans, elaboration of the priority measures for sustainable use of surface and groundwater. Recommendations have been prepared how to improve the water legislations in the countries concerned. Organization of international workshops for stake-holders of three countries on implement the Water Framework Directive.			
Reference person: Mr. Miron Lagoda, Mr. Vladimir Bilokon, 36/76 Shovkovyehna, Kiev, 24 Ukraine www.idrc.ca/oceei ; www.idrc.kiev.ua			
Project: № 50205-112 "Development of management and monitoring systems of natural environment in the Dnieper Basin on the territory of Belarus".			

Date	2003	Location	Belarus
Company	UNDP Office in Minsk, Belarus	Position	Team Leader of Experts
Description: Development of the water management concept, definition of the priority measures in protection and use of underground and surface water, improvement of the water legislation. Organization of international workshops for stake-holders on implementation of Water Framework Directive.			
Reference person:			
Project: "National Strategy of the Sustainable Development of the Republic of Belarus - 2020" , Chapter "Protection and Rational Use of Water Resources". UNDP Project "Assistance to the Government of the Republic of Belarus in the development of the National Strategy for the Sustainable Development" BYE/01/001. Funding source: UNDP.			

Date	2003	Location	Belarus
Company	OSCE Office in Minsk, Belarus	Position	Team Leader of Experts
Description: Study of the harmonization of EU and Belarus water resources legislation, conduction of the international seminars and workshops			
Reference person: Ms. Heidi Smith heidismith2003@yahoo.co.uk			
Project: "Legislation of the Republic of Belarus in water resources and EU Water Framework Directive".			

Date	2004 - 2007	Location	Germany – Spain – Lithuania – Russia – Belarus
Company	Fraunhofer Institute for Industrial Ma (ITWM), Germany	Position	Belarus Team Leader of Experts
Description: A new approach was developed and tested in mathematical modelling of the groundwater movement.			
Reference person:			

Project: “Hydrogeological and Geo-Environmental Simulation: A Contribution to the Algorithms and Advanced Application”. Funding source: INTAS 03-50-4395.

Date	2006 - 2008	Location	EU (Finland, Estonia, Lithuania, Latvia, Russia – Belarus
Company	Finnish Environment Institute (SYKE) P. O. Box 140, FIN-00251 Helsinki, Finland Fax +358 9 5490 2390	Position	Belarus Team Leader
Description: Project was related to water quality and quantity monitoring, development and implementation of sustainable water resources management strategies for trans-boundary river basins of Neman River and Daugava River. Development of water management plans, definition of the priority measures in protection and use of groundwater and surface water resources. Recommendations have been prepared how to improve the water legislation in Russia and Belarus. Organization of international workshops for the stake-holders of three countries on implementation of the Water Framework Directive.			
Reference person: Ms. Ansa Pilke, ansa.pilke@ymparisto.fi			
<u>Project:</u> TRABANT Transnational river basin districts on the Eastern Side of the Baltic Sea Network/ (BSR ITERREG III NP). Funding source: EU TACIS No 2006/122-349.			

Date	2006 - 2007	Location	Ukraine – Belarus
Company	Mott-MacDonald/ARCADIS Consortium	Position	Belarus Team Leader of Experts, Module “Water resources Management”
Description: Project dealt with the aquifer water quality and quantity monitoring, development and implementation of the sustainable water resources management strategies in transboundary Pripyat river basin. A water management plans were developed with definition of the priority measures in protection and use of groundwater and surface water. Water management policy was assessed for the two countries involved in the project and recommendations were prepared how to improve their Legislation. Organization of international workshops for stake-holders of three countries on implementation of Water Framework Directive. Implementation of 5 pilot projects in Belarus.			
Reference person: Mr. Stephen Parsons; stephen.parsons@mottmac.com			
<u>Project:</u> The EU/TACIS Project Trans-boundary River Basin Management: phase 2 for Pripyat River/ – Europe Aid/120153/C/SER/Multi. Funding source: EU TACIS.			

Date	2007 - 2009	Location	Netherlands, Sweden, Russia, Belarus
Company	IVAM UvA BV Postbus 18180 1001 ZB Amsterdam, Netherlands	Position	Team Leader of Experts, Belarus
Description: Conduction of the international seminars on rational use and protection of water resources			
Reference person: Cornelus Hendricus Joseph van Oijen; coijen@ivam.uva.nl			
<u>Project:</u> TEMPUS “UNIENV” (TEMPUS SM-SCM-T060B06-2006). Funding source: EU TEMPUS.			

Date	2007 - 2009	Location	Norway, Sweden, Russia, Belarus
Company	UNEP/Grid-Arendal The UN House Teærplassen 3, N-483 Norway Fax:+4737035050	Position	Team Leader of Experts, Belarus
Description: Project was related to information management system and infrastructure of transboundary basin Daugava and Njamunas Rivers, water quality and quantity monitoring, development and implementation of sustainable water resources management programs. Organization of the international workshops.			
Reference person: Prof. Valentin Yemelin; www.grida.no			
<u>Project:</u> Project № 202010 “Information management system and infrastructure of transboundary basin of /Zapadnaya Dvina River and Njamunas/Niemen River”.			

Date	2007 - 2009	Location	Sweden - Poland - Belarus
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Company	KTH Royal Institute of Technology SE-100 44 Stockholm, Sweden	Position	Team Leader, Belarus
Description: Study of water pollution in the basin of Zapadny Bug River. International scientific exchange: training courses for post-graduate and the post-doctorate students on the implementation of the WFD and modern technologies in pollution abatement.			
Reference person: Prof. Gunno Renman; gunno@kth.se			
<u>Project:</u> Network Project "Pollution abatement in the basin of Bug River". Funding source: KTH Royal Institute of Technology			
Date	2008 - 2009	Location	EU
Company	UNECE Palais des Nations, 8-14 avenue de la Paix 1211 Geneva 10, Switzerland	Position	Member of the Task Force
Description: UNECE Convention on the Protection and Use of Transboundary Watercourses and International Drafting and editing the Guidance on Water and Climate Adaptation.			
Reference person: Ms. Francesca Bernardini; francesca.bernardini@unece.org			
<u>Project:</u> Funding source: UNECE			
Date	2006 - 2011	Location	Poland, Ukraine, Belarus
Company	Polish Geological Institute, Warsaw, 00-975 Warszawa, Rakowiecka 4	Position	Belarus Team Leader of Experts
Description: Training seminars on groundwater monitoring in relation to the building of a transboundary monitoring network in the border areas of Belarus, Poland, and Ukraine.			
Reference person: Dr. Tomasz Nalecz; Tomasz.Nalecz@pgi.gov.pl			
<u>Project:</u> "Renewal use of transboundary water system – Belarus, Poland, Ukraine (SUMTAS)". Funding source: OTAN.			
Date	2010	Location	Belarus
Company	UNDP Belarus, 17 Kirov Str., Minsk 22	Position	Belarus Team Leader of Experts
Description: Strategic Environmental Assessment (SEA) was conducted to define the possible after effects of the Program "Development of inland waterway and sea transport of the Republic of Belarus for 2011 - 2015 years". The environmental assessment was conducted for the different components of the infrastructure such as water transport and waterworks (HPPs, locks, canals, piers and so on) as well as the environment: water stream regimes, channel processes, water quality, environment protection and management (SPNA, environmental network, aquatic and terrestrial ecosystems, game and fishing industries). The following sections were also included in assessment: mineral resources (industrial minerals); tourism and infrastructure; cultural legacy; health and social development. Recommendations were prepared how to improve the Legislation to protect the environment, including for inland water and sea transport and human health.			
Reference person: Mr. Igar Tchoulba			
<u>Project:</u> Strategic Environmental Assessment (SEA) was completed for "Programme of development of inland waterway and sea transport of the Republic of Belarus for 2011 - 2015 years".			
Date	2010	Location	Kazakhstan
Company	Executive Committee of International Saving the Aral Sea (EC IFAS) 280, Dostuk Str. Almaty, 050020, Republic of Kazakhstan	Position	Expert on Water Resources Management
Description: The work of the expert included: <ul style="list-style-type: none"> (i) Assistance to the Executive Committee of the International Fund for Saving the Aral Sea in drafting Aral Sea Basin Program -3. (ii) Assessment of the projects proposals received from the various sources across the Central Asia according to the categories as they are defined in the Outline of the TOR; (iii) Transformation of the existing relevant project ideas in clusters and draft those that they can be presented to donors, the board of EC-IFAS and the public (Example: Water productivity, water quality, dam safety etc.). (iv) Writing of the project summaries in the format as it is laid out in the Framework Document 			

of EC-IFAS (project fiche).

(v) Coaching of the national experts and country representatives according to the EC-IFAS staff requirements in order to strengthen their skills in preparation, prioritization, and overseeing the implementation of the ASBP-3.

(vi) Request the foreign experts assistance, when needed from the donor community and the country representatives of the IFAS Member States.

Reference person: Prof. Saghit Ibatullin; saghit@ec-ifas.org

Project: Project was related to Aral Sea Basin Program -3.

Date	2010 - 2011	Location	Kazakhstan, Kirgizstan, Tajikistan, Turkmenistan, Uzbekistan
Company	The World Bank 1818 H STREET, NW 202 (IBRD) WASHINGTON, DC 20433	Position	International Expert/ Consultant

Description: The work of the Consultant included:

To collate the information and data regarding the existing water resource and energy system models available in the Central Asia region; to visit each country of concern, including Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, and Uzbekistan); to participate in the meetings with the key counterparts to explore the possibilities to implement alternative models that were not identified during the desk review; to assess both national and regional models; to collate a database and compile the findings obtained based on the questionnaire; to prepare a Power Point presentation, which summarizes the national and regional findings; to submit the final itinerary and list of contacts obtained during the meetings to the World Bank task team.

Reference person: Ms. Martha Mjarosewich; mjarosewich@worldbank.org

Date	2010 - 2011	Location	Uzbekistan
Company	UNDP in Uzbekistan, Building 5, Mustafakent 100000, Tashkent, Uzbekistan	Position	International expert in the field of water Irrigation and Land Management

Description: The Project aim was predetermined by four basic activities: 1) enhancing the institutional frames and developing capacities; 2) developing projects and their assessment; 3) improving the legislation; and 4) performing activities on demonstration areas. The work of the expert on the legal component included: review of the national legislation pertaining to the current projects of irrigated land reclamation; evaluation of the current legislation and the regulatory frame pertaining to the irrigated land reclamation; assess the international experience in regulation of issues related to irrigated land reclamation; developing recommendations on improvement of the regulatory frame on irrigated land management; developing a plan for enhancing the regulatory capacities of the Foundation and the Republic of Uzbekistan in the field of irrigated land management

Reference person: Dr. Pulatkhon Umarov pulatkhon.umarov@gmail.com

Project N.71961 was related to develop legal framework in the field of combating land degradation.

Date	2012	Location	Kazakhstan
Company	Executive Committee of International Fund for Saving the Aral Sea (EC IFAS) 280, Dostuk Str. Almaty, 050020, Republic of Kazakhstan	Position	Expert on Mathematical Modelling, Water Resources Management

Description:

The expert responsibilities included the following:

(i) Assistance to the Executive Committee of the International Fund for Saving the Aral Sea in drafting Aral Sea Basin Program -3.

(ii) Preparation and execution of three training seminars on the «BEAM» program implementation.

(iii) Assessment of the program reliability and preparation of the recommendations on program further development.

Reference person: Prof. Saghit Ibatullin; saghit@ec-ifas.org

Project: Project was related to Aral Sea Basin Program -3.

Date	2013	Location	Kazakhstan
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Company	The World Bank 1818 H STREET, NW 202 (IBRD) WASHINGTON, DC 20433	Position	Water Modelling Specialist
<p>Description: «Preparation of the Workshop: “Overview of BEAM, AralDIF, ASBmm Models for the Aral Sea Basin”</p> <p>The expert responsibilities included the following:</p> <ol style="list-style-type: none"> 1. Assist in Russian-language discussions to ensure participants touch upon which kind of questions can be asked to the particular model and which cannot; this includes particular details to model limitations and uncertainties and how these can be quantified. 2. Assist in building a strong understanding among the trained experts of opportunities the new (conceptual modeling approaches). 3. Prepare a workshop observations report that included a) brief overview of models and presentation, b) outcomes from discussions on models, c) opportunities and limitations for building a system-of (SoM) with these three models and d) recommendations for next steps, for training and developing a SoM. 			
<p>Reference person: Ms. Martha Mjarosewich; mjarosewich@worldbank.org</p>			
Date	2013 - 2014	Location	Moldova - Belarus
Company	The Regional Environmental Center for Central and Eastern Europe. REC Head Office: 2000 Szentendre Ady Endre ut 9-11 Hungary 26) 504-000	Position	Team Leader in Belarus
<p>Description: The programme “Supporting Environmental Civil Society Organisations (SECTOR) in Belarus and Moldova”. Project Title: Promotion of public participation in international cooperation on integrated management of transboundary rivers in Western EECCA countries The field of the project REG 154 is the implementation of UNECE Water Convention and EU Water Framework Directive in relation to transboundary waters and especially shared watercourses. Analysis of the legal framework in Belarus for the protection of the environment, Environmental impact assessment, water resources special attention will be given to public support of the modern transboundary waters agreements and in special the transfer of Dniester River basin experiences in public involvement in lobbying, negotiations of river transboundary agreement to one of Belorussian transboundary river basins, creation of BY-Ukrainian and/or BY-Baltic public working on selected river basin with the target to create analogous river basin NGO association on target river. The project will include seminars, study tours, publications and exchange of the experience in field of the integrated river basin management and biodiversity conservation, protection of public environmental interests and public participation in environmental decision making. Preparing and conducting training seminars.</p>			
<p>Reference person: Ms. Raisa Gerasina; SECTOR Grants Manager, rgerasina@rec.org</p>			
Date	2014 -2015	Location	Belarus
Company	FCG International Ltd, Osmontie 34, FI-00610 Helsinki, Finland	Position	Environmental and Social Advisor
<p>Description: Project (TCS 32028): Municipal Environmental Infrastructure (MEI) Framework Facility - Corporate Development and City/Regional Support Programmes for the Cities/Regions of Vitebsk, Brest, Grodno, Slonim and Baranovichi and their Water Companies”. The work includes: Analysis of the state of water supply for cities and operating conditions of groundwater water intakes Analysis of the legal framework in Belarus for the protection of the environment, Environmental impact assessment, water resources</p> <p>Review the environmental, health and safety management system in the Companies</p> <p>Recommend short and medium term improvements in accordance to ISO 14001 Standard for environmental management, OHSAS 18001 standard for occupational health and safety</p> <p>Ensure compliance with the relevant local and European Union environmental standards;</p> <p>Applying holistic utility perspective to identify all major discharges and emissions and the review the current environmental, health and safety impacts of the operation of all the activities of the Companies; Assist the Companies in implementing their Environmental and Social Action Plans (ESAP); Identify no-low-cost improvement measures, including good housekeeping as well as enhance</p>			

maintenance and operation of the facilities. Preparing and conducting 2 training seminars.			
Reference person: Mr. Lauri Aasalo – lauri.aasalo@fcg.fi ,			
Date	2016	Location	Kazakhstan
Company	The World Bank 1818 H STREET, NW MSN G2-202 (IBRD) WASHINGTON, DC 20433 U.S.A	Position	International Consultant
Description: Project (TE-P155493-TRAC-BB) Regional Water Dialogue. The IC and EG assignment was to articulate a vision for transboundary water resources management in the Aral Sea Basin that takes into account the interests of all states in the region, and to identify opportunities for capturing mutual benefits as a result of improved transboundary water resources management			
Reference person: Mr. Ijsbrand H.de Jong idejoing@worldbank.org			

15. Others:

16. Publications:

8. Publications on English	
1	Kalinin M., Are there any Transboundary Aquifers in Belarus. Transboundary Aquifers in the Eastern of the European Union. Springer/ NATO/OTAN. 2012. – P. 87 – 103. ISBN 978-94-007-3948-2 (HB).
2	Kalinin, M. Reservoirs under the Earth – Addition Resource of Water Supply and Irrigation in Water-s Regions of Central Asia/ Science Achievements and Advanced Technologies on Reclamation of Salin and Improvement of Exploitation of Irrigation Facilities. Ashgabat, Ylym, 2011. - P. 162
3	Kalinin M. A Case Study of Transboundary Aquifers in Yemen./ISARM 2010 International Conference December 2010, UNESCO, Paris
4	Kalinin, M. Stankevich, A. Korneev, V. Development of Forecasting models of Flood and Break of Da Rivers of Byelorussia/ World Experience and Advanced Technologies of Rational Use of Water Resourc Theses of the Inter. Conf. Ashgabat, April 2-4, 2010. - P. 164
5	Kalinin, M. Climate change and Water Adaptation Belarus/ World Experience and Advanced Technol Rational Use of Water Resources. Theses of the Inter. Conf. Ashgabat, April 2-4, 2010. - P. 167
6	Aral Sea Basin Program 3. From the Glaciers to the Deltas. Serving the People of Central Asia. 2010 IFAS. Almaty.- 200 P.
7	Kalinin M., Kurilo K., Filchankava I. Groundwater Monitoring System in Belarus/ Groundwater Manag the East of the European Union. - Springer, 2009. – P. 41 – 49. – ISBN 978-90-481-9536-7
8	Guidance on Water and Adaptation to Climate Change. UNECE. Convention on the Protection and U Transboundary Watercourses and International Lakes. 2009. Printed at United Nations, Geneva. - IS 92-1-117010-8.
9	Kalinin, M. Design of Climate Change and Water Adaptation in Belarus/ Water in a Changing Climate in Land-Atmosphere Interactions and Energy/Water Cycle Research. 6 th International Scientific Confe the Global Energy and Water Cycle and 2 th Integrated Land Ecosystem – Atmosphere Processes St (iLEAPS) Science Conference . 24 – 28 August 2009. Melbourne, Australia. V.II. - P. 656 – 657.
10	Kalinin, M., Tsybul'skaya, Y., Chubrik N. Belarus Experience in Reduction of Radionuclide and Heavy Content in Plants Following the Chernobyl Disaster // NATO Book. – Application of Phytotechnologies: Cleanup of Industrial, Agricultural and Wastewater Contamination. – 2009. – P. 125-134.
11	Our water: Joining hands across borders. First Assessment of Transboundary Rivers, Lakes and Groundwaters. ECE, UN. 2007. - Printed at United Nations, Geneva.
12	Kalinin, M., Yurevich, R., Sharikov, A., Shevelyuk, L., Filchankava I. The assessment of the pesticide disposal impact to the environment in Belarus // 9th International HCH and Pesticides Forum. 20-22

	September 2007. Republic of Moldova. – P. 68.
13	Kalinin, M., Volchak, A. Transformation of the Surface Water Quality in the Baltic Sea Rivers on Belarus Territory // Fifth Study Conference on Baltex. 4-8 June 2007– Kuressaare, Saaremaa, Estonia, 2007 International BALTEX Secretariat: Publ. No 38. – P. 197 – 198.
14	Kalinin, M., Volchak, A., Shvedovsky, P. Hazardous Natural Disasters in Belarus // Natural Disasters Water Risk Assessment, Emergency response and environmental management. - Yerevan, Armenia 18-22. 2007. – C. 115 – 116.
15	Kalinin, M., Filchakova, I. Rehabilitation Technology of Soils Contaminated by Radionuclides and/or Heavy Metals // NATO workshop. – Application of Phytotechnologies for Cleanup of Industrial, Agricultural and Wastewater Contamination. 4-7 June 2007. – P. 12-13.
16	Kalinin, M. Climate and Water Resources of Belarus Fourth Study Conference on BALTEX/ Gudhjem Bornholm, Denmark, 24-28 May 2004/ Publ. N29/ pp/181- 182
17	Lishtvan, I. I., Kalinin, M. Y., Gudak, S. P., Baginsky, V. F., Udovenko, S. A. / National resources and economic capacity of sustainable development in Belarus: natural resources potential / National Strategy for Sustainable Development for the Period to 2020 of the Republic of Belarus / The National Sustainable Development Commission of Belarus. – Minsk: Unipak, 2004. – P. 19-21.
18	Kalinin, M. Bug. Report No. 3. Recommendations for Improvement of Monitoring and Assessment Activities. M. Kalinin, V. Korneev. – RIZA. ARCADIS. 2004. – 53 P. – ISBN 9036956315.
19	Kalinin, M. Priority Direction for Scientific Research in the Field of Preserving the National Environmental Values and Priorities of the XXI Century: Social Justice and Ecological Security: Materials of the International Scientific-Practical Conference (Minsk, May 23–24, 2000). – Minsk: Tesey, 2000. – P. 41–44.
20	Kalinin, M. Y. Ecological situation and Health in Small and Average Towns of Belarus // Environment and Human Rights: Materials of the International Conference (Minsk. 19–20 October 1998). – Minsk: Tesey, 1998. – P. 70–74.
21	Kalinin, M. Rola ekosystemow bagiennych w ochronie ludnosci przed szkodliwym promieniowaniem jonizujacym. Problemy aktywnej ochrony ekosystemow wodnych i torfowiskowych w polskich parkach narodowych. Materiały międzynarodowej konferencji (Okuninka n/Jeziorem Białym Włodawskim, 8–9 października 1999 roku). – Lublin, 1999. – S. 25–26.
22	Usenko, V. S., Altschuhl, A. H., Bogomolov, Y. G., Zolobaev, A. A., Kalinin, M. Y., Soyfer, A. M. Experience in Regulating Ground Water Resources in the Dnieper Valley, the Byelorussian Part // Publication № 11 of the Association Internationale des Sciences Hydrologiques, Symposium de Tokyo (December, 1975) – P. 609.
• Publications on Russian	
	Kalinin, M. Ground water and sustainable development / M. Kalinin. – Minsk: Belsens, 1998. – 444 P. – ISBN 985-6474-04-3.
	Kalinin, M., Modern anthropogenic influence to the water resources of Belarus / V. Loginov, M. Kalinin, I. Konnikov. – Minsk: IGN Belarus Academy of Science, 2000. – 284 P. – ISBN 985-6178-83-5.
	Kalinin, M. Perspectives in regulation of ground and surface flow on the territory of Yemen // Geokology. Moscow: RAN, 2002. – No 2. – P. 120-132.
	Kalinin, M. [et al.] Belarus legislation in water sector and EC Water Frame Directive. Guidance for experts / Kalinin [et al.]; under general guidance of M. Kalinin. – Minsk: Art-press, 2003. – 131 P. – ISBN 985-6474-42-6.
	Kalinin, M. [et al.] Belarus legislation in water sector and EC Water Frame Directive. Guidance for public / Kalinin [et al.]; under general guidance of M. Kalinin. – Minsk: Art-Press, 2003. – 68 P. - ISBN 985-6474-42-6.
	Kalinin, M. [et al.] Water-protected territories of Belarus / M. Kalinin [et al.]; under general guidance of M. Kalinin – Minsk, 2003. – 64 P.
	Kalinin, M. [et al.] Prognosis of environment change of Belarus in 2010– 2020 / M. Kalinin [et al.]. – Minsk: Minsktipproekt, 2004. – 180 P.
	Kalinin, M. [et al.] Modern state of the ground resources for portable water / M. Kalinin [et al.]; under general guidance of L. Yazvin, V. Shestopalov, M. Cherepansky. – Minsk: Belsens, 2004. – 87 P. – ISBN 985-6474-42-6.
	Kalinin, M. Water resources of Gomel region / M. Kalinin, A. Volchak. – Minsk: Belsens, 2005. – 144 P. – ISBN 985-6474-42-6.
	Kalinin, M. New Belarus legislation in technical standardization and issues related to the use and protection of water resources / M. Kalinin [et al.]. // Vodnye resursy. – Minsk, 2004. – No 17. – C. 3-6.
	Encyclopedia of small river / A. Volchak, V. Yaromsky, N. Mikhalchuk, M. Kalinin. – Brest: Academy of Sciences, 2004. – 344 P. – ISBN 985-55-018-5.
	Kalinin, M. Water resources of Minsk region / M. Kalinin, A. Volchak. – Minsk: Belsens, 2006. – 160 P. – ISBN 985-6474-64-7.
	Kalinin, M. Mapping of the Niemen watershed on the condition against the vulnerability of the ground water resources / Kalinin [et al.]. // Pripodnye resursy. – Minsk, 2006. – No 3. – C. 22-27.

	Kalinin, M. Monitoring system of the ground water in Belarus / M. Kalinin [et al.]. // Lvov, 2007. – C. 42
	Kalinin, M., Pakhomov, A. Assessment of the state of water resources of the river basins of Zapadnaya and Niemen in Belarus / M. Kalinin, A. Pakhomov. – Minsk: Belsens, 2008. – 62 P. ISBN 978-985-647
	Prospects harmonization standards and norms of quality of waters in the countries Central Asia and the frame instruction of the European Union/ M. Burlibayev,.....M. Kalinin., 2010. – Almaty, CAREC. - 2
	Emergency situations in environment: monitoring, the forecast, the prevention/ M. Burlibayev, M. Kalinin al.], 2011. – Almaty, KAGANAT. - 356 P. ISBN 978-601-278-41-6

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6th Meeting of NATO Pilot Study Project «Sustainable Use and Protection of Groundwater Resources –Transboundary Water Management. Regional cooperation for solving transboundary issues East for UE», 10- 12 November 2009, Kiev, Ukraine	
NATIONAL CONFERENCE: « Group of European Basin Organizations for the Implementation of the Water Framework Directive » « EUROPE-INBO 2010 » 22, 23 and 24 September 2010 , MEGEVE- France	
UNESCO-IAH-UNEP Conference International Conference «Transboundary Aquifers: Challenges and New Directions”(ISARM2010), 6-8 December 2010, Paris, France	
INTERNATIONAL CONFERENCE: Integrated Water Management in the Balkans and Eastern Europe, Preparation for the 6th World Water Forum, Marseille, 2012. - Bulgaria, Plovdiv, 22 March, 2011	
INTERNATIONAL CONFERENCE: «The current and future implementation of the European Water Framework Directive», « EUROPE-INBO 2011 » and General Assembly of the Mediterranean Network of Basin Organizations (MENBO). Preparation to the 6th World Water Forum, Marseille, 2012. - 27-30 September, 2011, Oporto, Portugal	
Meeting of the European Regional Process Steering Committee and Coordination Consortium. Preparation to the 6th World Water Forum, Marseille, 2012. - 12 - 13 January 2012, Nice, France	
INTERNATIONAL CONFERENCE: “Transboundary Dniester river basin management in frames of a new river basin management treaty”. Chisinau, 20-21 September 2013	
“EUROPE-INBO 2013 » 11TH EUROPEAN CONFERENCE ON THE IMPLEMENTATION OF THE WATER FRAMEWORK DIRECTIVE. Plovdiv, Bulgaria, 13-16 November 2013	
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