

Michael Yulkin – Curriculum Vitae

1. **Family name:** Yulkin
2. **First names:** Michael
3. **Date of birth:** 29 June 1961
4. **Citizenship:** Russian Federation
5. **Place of residence:** Moscow, Russian Federation
6. **Education:**

Institution (Date from - Date to)	Degree(s) or Diploma(s) obtained:
The World Bank Institute (1992-1993)	Certified Trainer in project analysis
Moscow State University named after M.V. Lomonosov, Economic Faculty (1978-1983)	M.Sc. in Economic Cybernetics (Mathematical Economy)

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

Language	Reading	Speaking	Writing
Russian (mother tongue)	1	1	1
English	1	1	1

8. **Membership of Professional Associations:**

- RSPP (Russian Union of Industrialists and Entrepreneurs) Climate Change Working Group, Leader
- Working Group on Climate Change and Sustainable Development at the Russian President's Administration

9. **Other skills:** (e.g. Computer literacy, etc.) Advanced computer user, MS Office, Internet, Skype

10. **Present position:** CCGS LLC, Director General

11. **Years within the firm:** 4 (since 2009)

12. **Key qualifications:** Over 15 years of experience in climate change mitigation, climate change strategy development, GHG emissions inventory, regulation and management, carbon projects development and implementation, emissions trading, carbon finance, carbon market development in and outside Russia. Excellent knowledge and expertise in energy strategy studies, energy efficiency, renewables and biofuel/bioenergy, green tariffs, green economic growth, sustainable development, environmental impact assessment, environmental management and regulation

13. **Specific experience in the regions:**

Country	Date from - Date to
Russia	1983-2014
South Africa	2009-2014

14. **Employment Record:**

From (year): 2009	To (year): now
Employer:	CCGS LLC (Arkhangelsk, Moscow)
Position held:	Director General

From (year): 2007	To (year): 2008
Employer:	Camco International (Moscow branch)
Position held:	Director, JI (2007); Director, Policy and Strategy (2008)

From (year): 1999	To (year): now
Employer:	Environmental Investment Center (Arkhangelsk)
Position held:	Director
From (year): 1998	To (year): 1998
Employer:	Jaakko Pöyry (Finland)
Position held:	Task leader for JI project methodology development under Russian Strategy Study on Climate Change sponsored by the World Bank
From (year): 1996	To (year): 1996
Employer:	COWI Consult (Denmark)
Position held:	Expert (economic and financial pre-appraisal of the proposed pollution abatement projects under the World Bank loan)
From (year): 1994	To (year): 2008
Employer:	MCF Financial & Consulting Company Ltd. (Moscow)
Position held:	Co-owner and CEO
From (year): 1993	To (year): 1993
Employer:	Economic Development Institute of the World Bank (Moscow office)
Position held:	Trainer, project analysis (part time)
From (year): 1993	To (year): 1993
Employer:	NIPEC Corp. (Moscow)
Position held:	CFO
From (year): 1992	To (year): 1993
Employer:	NTT Investment Company (Moscow)
Position held:	Director General
From (year): 1987	To (year): 1991
Employer:	Institute of professional training of the USSR Ministry of electric industry (Moscow)
Position held:	Trainer (part time)
From (year): 1986	To (year): 1992
Employer:	USSR Academy of Sciences (since 1991 – Russian Academy of Science), Institute of Economic Forecasting – INPRAN (Moscow)
Position held:	Researcher, Senior Researcher
From (year): 1985	To (year): 1986
Employer:	USSR Academy of Sciences, Institute of Economics and Forecasting of Scientific and Technological Progress (Moscow)
Position held:	Researcher
From (year): 1983	To (year): 1985
Employer:	USSR Academy of Sciences, Central Economic and Mathematical Institute - CEMI (Moscow)
Position held:	Fellow, researcher

15. Professional experience:

Date from - Date to	Location	Company & reference person (name & contact details)	Position	Description
Feb 2013 – on-going	Novodvinsk, Arkhangelsk region	Arkhangelsk pulp-and-paper mill (Evgenia Moskalyuk, <i>Moskalyuk.Evgenia@appm.ru</i>)	Project leader	Introduction of corporate GHG Management System in accordance with ISO 14064 at OJSC “Arkhangelsk PPM” The assignment includes development of GHG inventory, the corporate climate strategy aimed at GHG emissions reduction and the monitoring plan to check and adjust corporate day-by-day activities in order to meet climate strategy targets.
Jan 2013 – on-going	Moscow	IFC (Mr. Patrick Willems, Program Manager, IFC Russia, Renewable Energy Program, <i>PWillems@ifc.org</i>)	Project leader	Renewable Energy Development in Belgorod Region. A study aimed at examination of opportunities (potential) and applicable technologies for renewable energy development in Belgorod region with focus of bioenergy
Mar 2012 – Oct 2012	Moscow	IFC (Mr. Patrick Willems, Program Manager, IFC Russia, Renewable Energy Program, <i>PWillems@ifc.org</i>)	Project leader	Renewable Energy Development in Kaluga Region. A study aimed at examination of opportunities (potential) and applicable technologies for renewable energy development in Kaluga region with focus of bioenergy
2012	Surgut	Surgutneftegas (Eduard Egorov, <i>Egorov_EP@surgutneftegas.ru</i>)	Project leader	Construction of a gas transmission network for associated petroleum gas utilization (JI project) The project aims to increase associated petroleum gas (APG) utilization by building compressor stations and gas pipelines thus making it possible to deliver APG to the end-users instead of flaring it at the oil fields. Expected emission reductions over 2008-2012 – 11 163 ktCO ₂ e
2012	Nizhniy Tagil	EVRAZ (Ilya Dmitrov, <i>ilya.dmitrov@evraz.com</i>)	Project leader	Reconstruction of blast furnaces #5 and #6 at the OJSC “Nizhniy Tagil Iron and Steel Works” (JI project)

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2011-2012	Moscow	OJSC Quadra (Igor Devyatkin, <i>Devyatkin_IV@quadra.ru</i>)	Project leader	<p>Reconstruction of Energy Generating Facilities Using The Combined Cycle Processes (JI project)</p> <p>The project is aimed at expanding generating capacities of OJSC “Quadra-Generating Company” power stations in Belgorod, Eletsk, Voronezh, Kursk and Kaluga through construction of four CCPs and one GTP with combined capacity of 371.3 MW to enhance electricity generation efficiency and cut down GHG emissions. Expected emission reductions over 2011-2012 – 1344 kt CO₂e</p>
2010 – 2012	Arkhangelsk	Solombala PPM (Andrey Plastinin, <i>andrey.plastinin@sppm.ru</i>)	Project leader	<p>“Modernization Energy-Generating Facilities to Reduce Fossil Fuel Consumption” (JI project)</p> <p>The project envisages utilization of bark and wood waste (BWW) for heat and electricity generation purposes through replacement of heavy fuel oil fired boiler of KM-75-40 type (CHPP-1) with a boiler fitted with a fluidized bed furnace extension designed for BWW combustion, enhancement of the boiler’s nominal output to 90 t/h, replacement of the ash handling equipment and construction of a new system for BWW handling, preparation and feeding to CHPP-1 for combustion. Expected emission reductions over 2008-2012 – 1,295 kt CO₂e.</p>
2010 – 2012	Arkhangelsk	Solombala Sawmill (Ivan Borodin, <i>office@soles.ru</i>)	Project leader	<p>“Bark and Wood Wastes to Heat” (JI project)</p> <p>The project envisages construction of a 18 MW biofuel hot-water boiler house fuelled with bark and sawdust. Heat from the boiler house is supplied to end-users located at the same production site, via existing heat distribution networks. Expected emission reductions over 2008-2012 – 189 kt CO₂e.</p>

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2010 – 2012	Svetogorsk, Leningrad region	International Paper (Sergey Karchevsky, <i>Sergey.Karchevsky@ipaper.com</i>)	Project leader	<p>“Installation of a Multi-Fuel Boiler for Waste Biomass Utilization and Energy Generation” (JI project)</p> <p>The project involves installation of a new multi-fuel boiler together with biomass preparation and transportation as well as fly ash handling infrastructure to utilize bark and wood wastes (BWW) and waste water sludge (WWS) as fuels to produce energy for the mill. Expected emission reductions over 2008-2012 – 1,630 kt CO₂e.</p>
2010 – 2011	Vorkuta, Komi Republic	Vorkutaugol (Irina Travina, <i>IM.Travina@vorkuta.severstalgroup.com</i>)	Project leader	<p>“Coal Mine Methane Utilization at Severnaya Coal Mine of OJSC "Vorkutaugol"” (JI project)</p> <p>The project enables utilization of 20 kt of drained methane per year for the generation of up to 110 million kWh of electricity and around 90 thousand Gcal of heat to cover the mine’s demand. Expected emission reductions over 2008-2012 – 570 kt CO₂e.</p>
2009 – 2012	Arkhangelsk	Sawmill 25 (Elena Shikhova, <i>finance@sawmill25.ru</i>)	Project leader	<p>“Pellet Production from Sawmill Wastes” (JI project)</p> <p>The project is structured around construction of a plant for production of 90 k tonnes of fuel pellets from sawmill residues. Expected emission reductions over 2008-2012 – 100 kt CO₂e.</p>
2009 – 2012	Severoonezhsk, Arkhangelsk Region	Mezhregionteploenergo, Moscow (Andrey Dyadyura, <i>a.dyadyura@moeg.ru</i>)	Project leader	<p>“Wood Waste to Energy” (JI project)</p> <p>The project is structured around construction of a biofuel boiler house with the installed capacity of 20 Gcal/h (23.26 MW) for heat supply of Severoonezhsk settlement, Arkhangelsk Region. The main fuel supplied from the local sawmills. Expected emission reductions over 2008-2012 – 1,630 kt CO₂e.</p>

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2009 – 2012	Koryazhma, Arkhangelsk Region	Ilim Group, S-Petersburg (Ivan Chukhlomin, <i>ivan.chukhlomin@ilimgroup.ru</i>)	Project leader	<p>“Evaporation System Modernization at OJSC "Ilim Group" Branch in Koryazhma” (JI project)</p> <p>The project is aimed at increasing energy efficiency through the installation of a new advanced evaporator plant by "Andritz", with evaporating capacity 600 tonnes per hour, and decommissioning of two old evaporator plants, re-use of warm water and condensate streams from the new evaporator plant for the Mill's process needs, and set up of combustion of methanol fraction and malodorous gases in a dedicated utilizing boiler. Expected emission reductions over 2008-2012 – 880 kt CO₂e.</p>
2009 – 2012	Bratsk, Irkutsk Region	Ilim Group, S-Petersburg (Ivan Chukhlomin, <i>ivan.chukhlomin@ilimgroup.ru</i>)	Project leader	<p>“Biomass Wastes to Energy at OJSC "Ilim Group" Branch in Bratsk” (JI project)</p> <p>The project envisages modernization of the energy system of Bratsk Pulp and Paperboard Mill, including switching of the boiler equipment of the mill's technological heat and power plant (THPP) to fluidized bed combustion of bark and wood wastes and wastewater sludge. Expected emission reductions over 2008-2012 – 1,391 kt CO₂e.</p>
2009 – 2012	Sharya, Kostroma Region	Kronostar (Ziya Sadikov, <i>Ziya.Sadigov@kronoply.de</i>)	Project leader	<p>“Woodworking Waste to Heat” (JI project)</p> <p>The project includes setting up an in-house heat producing complex consisting two biofuel thermal oil boilers 48 MW each, three standby boilers 18 MW each and three external furnaces 25, 36 and 61 MW to fully meet the company's heat demand and help utilize all generated woodworking waste. Expected emission reductions over 2008-2012 – 2,491 kt CO₂e.</p>

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2009 – 2012	Astrakhan	LUKOIL (Marina Chikovani, <i>marina.chikovany@lukoil.com</i>)	Project leader	<p>“Reconstruction of Astrakhan TPP through Construction of CCP-110, LLC "LUKOIL-Astrakhanenergo"” (JI project)</p> <p>The project covers reconstruction of Astrakhan TPP (ATPP) of LLC "LUKOIL-Astrakhanenergo" through installation of CCP-110 combined-cycle plant with 110 MW of installed electrical capacity and 66 Gcal/h of thermal capacity from steam extraction turbine. Expected emission reductions over 2008-2012 – 503 kt CO_{2e}.</p>
2009 – 2012	Krasnodar	LUKOIL (Marina Chikovani, <i>marina.chikovany@lukoil.com</i>)	Project leader	<p>“Expansion of Krasnodar CHPP with Installation of CCP-410, LLC "LUKOIL-Kubanenergo"” (JI project)</p> <p>The project covers capacity expansion at Krasnodar CHPP of LLC "LUKOIL-Kubanenergo" through installation of a CCP-410 combined-cycle plant with 416.5MW of installed electrical capacity and 220 Gcal/h of thermal capacity from steam extraction turbines. Expected emission reductions over 2008-2012 – 1,507 kt CO_{2e}.</p>
2009 – 2012	Naryan-Mar, Nenets Autonomous District	LUKOIL (Marina Chikovani, <i>marina.chikovany@lukoil.com</i>)	Project leader	<p>“Associated Petroleum Gas Treatment for the Use at Yuzhno-Khylchuyuskoe Field” (JI project)</p> <p>The project involves construction of a plant for removal of hydrogen sulfide and carbon dioxide from associated petroleum gas (APG) for the purpose of using treated APG for the company’s needs, producing elemental sulfur and reducing emissions of pollutants and greenhouse gases (GHG) into the atmosphere. The gas treatment plant helps to treat and then utilize up to 586 million m³ of APG per year. Expected emission reductions over 2008-2012 – 1,615 kt CO_{2e}.</p>

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2006 – 2012	Novodvinsk, Arkhangelsk region	Arkhangelsk pulp-and-paper mill (Evgenia Moskalyuk, <i>Moskalyuk.Evgenia@appm.ru</i>)	Project leader	“Waste Biomass Utilization at JSC Arkhangelsk Pulp and Paper Mill” (JI project) The project suggests utilization of bark and wood wastes (BWW) with 60% moisture content and waste water sludge (WWS) with 70% moisture content from biological waste water treatment generated in the process of pulp production at Arkhangelsk Pulp and Paper Mill to produce around 350 k Gcal of steam per year. Expected emission reductions over 2008-2012 – 1,021 kt CO₂e.
2006 – 2012	Arkhangelsk	Sawmill 25 (Elena Shikhova, <i>finance@sawmill25.ru</i>)	Project leader	“Wood Waste to Energy” (JI project)
2003-2004	Novodvinsk, Arkhangelsk region	Arkhangelsk pulp-and-paper mill (Evgenia Moskalyuk, <i>Moskalyuk.Evgenia@appm.ru</i>)	Project leader	Elaboration of Arkhangelsk PPM’s climate strategy towards 2012
2006	Moscow	WWF-Russia (Alexey Kokorin, <i>AKokorin@wwf.ru</i>)	Author	Alternative energy in Russia: status and development prospective. Detailed overview of alternative energy development in Russia, incl. wind, solar and biomass
2004	Moscow	WWF-Russia (Alexey Kokorin, <i>AKokorin@wwf.ru</i>)	Task leader	Elaboration of Russian national specific guidelines for GHG emissions inventory in the Russian pulp-and-paper industry
2004	Washington, DC (USA)	Environmental Defence Fund (prof. Alexander Golub, <i>alexander.a.golub@gmail.com</i>)	Task leader	Research study of health risks mitigation due to implementation of climate friendly energy strategies in the Russian regions and cities, particularly in the cities of Velsk and Novodvinsk of the Arkhangelsk region

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2001-2002	Arkhangelsk	Environmental Investment Center	Project leader	Research study on energy sector development and climate change mitigation in Arkhangelsk region. The results were published in the brochure and distributed at the international climate change conference in Arkhangelsk in 2002
2002-2002	Arkhangelsk	Environmental Investment Center	Project leader	Energy sector development and climate change mitigation in Arkhangelsk region
2002	Arkhangelsk	Arkhangelsk Region Administration	Project leader	GHG Emissions Inventory in the Energy Sector of Arkhangelsk Region. Detailed description of GHG emission sources in the energy sector of Arkhangelsk region, calculation of GHG emissions in accordance with the IPCC Guidelines, presentation of the results to the customer and the international audience at the climate change conference held in Arkhangelsk
2001-2002	Arkhangelsk	Environmental Investment Center	Project leader	Methodology development and calculation of GHG emissions in the energy sector of Arkhangelsk region
1999-2000	Arkhangelsk	Environmental Investment Center	Project leader	Environmental situation in Arkhangelsk region – current status and improvement perspectives, An exhaustive two volumes survey covering all environmental and energy related issues of the region economic development
1998-1999	Finland	Jaakko Pöyry (under the World Bank assignment)	Task leader	Elaboration of JI methodology and a pilot JI projects portfolio as part of the Russian Strategy Study on Climate Change sponsored by the World Bank

Note: In my role of a project leader I take care of and bear all responsibility for the project. The role involves putting all project's ends together, appointing managers and specialists to deal with the project on its different stages along the project cycle, developing project's strategy, dealing with subcontractors, auditors as well as all national and international bodies involved in project validation, verification and approval and authorized to issue carbon units for the project.

15a. Publications:

- JI projects in Russia as of 27 November 2013 (analytical overview), 2014 - http://ccgs.ru/publications/other/_download/Analyz_27112013.pdf
- Sectoral structure and dynamics of GHG emissions in Russia in 2011 (with D.Shchekoldin), 2013 - http://ccgs.ru/publications/articles/_download/analysis.GHG
- Kyoto Protocol for internal use, or the peculiarities of GHG emissions reduction in Russia – Moscow, NG-Energy, 12.11.2013 http://www.ng.ru/energy/2013-11-12/9_kiotskiy_protocol.html
- Climate Change: The Real Challenge and How to Deal with It – special guest presentation at the IFC hosted business breakfast on 5 Jun, 2013
- Voluntary systems and standards to reduce greenhouse gas emissions (with Diachkov V.A., Samorodov A.V., Kokorin A.O.) – Moscow, WWF-Russia, 2013), <http://www.wwf.ru/resources/publ/book/eng/799>
- JI projects in Russia as of 23 October 2012 (with K.Zabelin), 2012 - http://ccgs.ru/publications/other/_download/copy_Analyz_25102012.pdf
- JI projects in Russia as of 31 May 2012 (with K.Zabelin), 2012 – http://ccgs.ru/publications/other/_download/Analyz_31082012.pdf
- JI projects in Russia as of 18 May 2012 (with K.Zabelin), 2012 - http://ccgs.ru/publications/other/_download/Analyz_1805.pdf
- Carbon Market: Key Concepts and Mechanisms, 2012 - http://ccgs.ru/publications/other/_download/carbon_market.pdf
- Why the EU is wrong to single out ERUs for special treatment – Carbon Market EUROPE, A Thomson Reuters Point Carbon Publication, Volume 11, Issue 39. 12 October 2012
- Russia and Kyoto Protocol: game over?, 2012 - http://ccgs.ru/publications/articles/_download/7_years_KP.Russia
- Kyoto mechanisms in Russia in trouble again, 2011 - http://ccgs.ru/publications/articles/_download/JI_in.Russia
- Playing climate games. - Nezavisimaya Gazeta (Independent Newspaper), 2010
- JI in Russia: another try or what's new?, 2009 - http://ccgs.ru/publications/articles/_download/2.pdf
- How to make JI work in Russia. - World Energy, 2009.
- The carbon market's advantages. - Nezavisimaya Gazeta (Independent Newspaper), 2009
- The economics of climate change. An overview of Stern's report. - WWF, 2009 (with A Kokorin).
- Involving Russian business in Kyoto. Handbook for Environmental and Socially Responsible Investments in Russia, 2009 (edited by F. M. Mucklow and Dr W. Th. Douma).
- Russia and the carbon market. - World Energy, 2009.
- Kyoto prospective. - Bolshoi Business, 2009.
- Russian energy sector: a view from Kyoto prospective. - Bolshoi Business, 2008.
- Carbon trade, or how to make environmental protection profitable. - Bolshoi Business, 2008.
- JI still has promise, but bottlenecks could appear. - Point Carbon, 2008.
- The world energy sector and climate change: an overview of development scenarios. - Energo Info, 2008.
- Got the emission reductions – sell them. - Environment and Life, 2008.
- May Kyoto help us. - Bolshoi Business, 2007.
- Emission trading becomes an attractive business. - Vedomosti FORUM, an attachment to the Vedomosti newspaper, 2007.
- Fixing the errors. - World Energy, 2007.

- That wins who starts first. - Bolshoi Business, 2007.
- Green light to “green” investments. - World Energy, 2007.
- Kyoto Protocol and energy saving opportunities in Russia. - World Energy, 2007.
- Russia is conquering carbon market. - World Energy, 2007.
- Kyoto Protocol and the opportunities for GHG emissions reduction in the Russian metal sector. - Metallurg, 2007.
- Clutches for JI. - Energy Efficiency and Environment, 2006.
- JI projects approval procedure in Russia. - World Energy, 2006.
- The GoR has considered the Kyoto Protocol. Still no decision. - World Energy, 2006.
- How to constrain climate change beyond 2012? - World Energy, 2006.
- The Montreal results. - World Energy, 2006.
- Business and climate. - WWF, 2005 (with I.Gritsevich and A.Kokorin).
- Dura Lex, or Kyoto legislation in Russia. - World Energy, 2005.
- The wasted year. - World Energy, 2005.
- Carbon investments: good start to be continued. - World Energy, 2005.
- The right to emit. - World Energy, 2005.
- Trading green AAU. World Energy, 2005.
- Investments in exchange for emission. - World Energy, 2005
- The GHG emissions market. - World Energy, 2005.
- The overwhelming inventory. World Energy, 2005.
- What shall we do with the GHG emissions? - World Energy, 2005.
- The Kyoto share of Russia. - World Energy, 2005.
- Breaking through barriers in Russia. - Environmental Finance, 2004 (with A Golub, D Dudek, H Katarski and E Strukova).
- The Kyoto protocol would impact on the economic climate. - An interview to the “Business-Class-Arkhangelsk” newspaper, 2004.
- The Kyoto protocol and the GHG emissions management in the Russian pulp-and-paper industry. - International Pulp and Paper Forum, Saint-Petersburg, 2004.
- The Kyoto protocol and the prospects of pulp-and-paper industry development in Russia. 2004 (with A Samorodov).
- Inventory of GHG emissions in Arkhangelsk regional energy sector for 2000. 2002 (with A.Samorodov).
- GHG emissions inventory and reduction in Arkhangelsk region. 2002.
- The Kyoto Protocol and the public health: an experience of ecologico-epidemiological assessment of energy development scenarios in the Arkhangelsk region (with A. Samorodov, V. Dyachkov, E. Fedorova, and E. Balashova). 2002.