

<b>Name</b>	<b>Irina Fedorova</b>
<b>Position</b>	Associate Professor at Institute of Earth Sciences
<b>Affiliation</b>	St. Petersburg State University
<b>Higher education</b>	<ul style="list-style-type: none"> <li>• <b>2009-2011</b> Post-Doctoral Student in Geoecology, St. Petersburg State University, Russia</li> <li>• <b>2008</b> Associate Professor at Land Hydrology Department, Faculty of Geography and Geoecology, State St. Petersburg University</li> <li>• <b>2003</b> PhD in Hydrology, water resources, hydrochemistry and geoecology St. Petersburg State University, Russia</li> <li>• <b>1997-2001</b> PhD Student at State St. Petersburg University, Faculty of Geography and Geoecology, Land Hydrology Department</li> <li>• <b>1991-1997</b> Diploma degree, Faculty for Geography and Geoecology, St. Petersburg State University, St. Petersburg, Russia</li> </ul>
<b>Academic career</b>	<ul style="list-style-type: none"> <li>• <b>June 2017 to present</b> Associate Professor at St. Petersburg State University, Institute of Earth Sciences</li> <li>• <b>2009 – June 2017</b> Russian Director at Russian-German Otto-Schmidt-Laboratory for Polar and Marine Research, Arctic and Antarctic Research Institute</li> <li>• <b>2009 –June 2017</b> Half position of Associate Professor at St. Petersburg State University, Faculty of Geography and Geoecology (Institute of Earth Science since 2012), Hydrology Department</li> <li>• <b>2004 - 2009</b> Associate Professor at St. Petersburg State University, Faculty of Geography and Geoecology, Hydrology Department</li> <li>• <b>1998-2004</b> Research Assistant at St. Petersburg State University, Faculty of Geography and Geoecology, Hydrology Department</li> </ul>
<b>Teaching activities</b>	<ul style="list-style-type: none"> <li>• <b>2016 to present</b> Supervisor of International Master Program CORELIS – Cold Region Environment Landscapes Integrated System; Lectures “Permafrost Hydrology and Hydrometeorology”, “Hydroecology and Sustainability of Cold Regions Aquatic Ecosystem” at International Master Program CORELIS, St. Petersburg State University</li> <li>• <b>2003 to present</b> Lectures “Arctic lake-swamp system” and “Particularities of Polar lakes”; practice and seminars “Ecological regulation of impacts on ecosystems” at Russian- German Master program POMOR for Polar and Marine sciences, St. Petersburg State University</li> <li>• <b>1998 to present</b> Lectures: Particularities of Polar region water objects (M.Sc.) Hydrology of Wetlands (B.Sc.) Urban areas hydrology (B.Sc.) Irrigation Hydrology (B.Sc.) Stream dynamic and river bed-processes (B.Sc.)</li> </ul>

Name	Irina Fedorova
	St. Petersburg State University, faculty of Geography and Geoecology (Institute of Earth Sciences since 2012), Land Hydrology department.
<b>Research and development projects during the past 5 years</b>	<p>“CarboPerm – Carbon in Permafrost: on the formation, turnover and release of carbon in Siberian permafrost landscapes” (2013-2016)</p> <p>Grant of Russian Foundation for Basic Research № 14-05-00908-a “The emergence of the Arctic coastal aquatic ecosystems as a result of changes in paleoecological and modern influences” (principal investigator) (2014-2016)</p> <p>Grant of the Vladimir Potanin Foundation for a Master Program Building about Carbon Cycle in Permafrost Zone Research (2014-2015)</p> <p>State Contract “Hydrometeorological support of nature management and ecological security in Russian Arctic” at Federal Aim Program of Russian Ministry of Education and Science (2013)</p> <p>Russian-German Program “Laptev Sea System”:</p> <ul style="list-style-type: none"> <li>- Otto-Schmidt-Laboratory for Polar and Mariner Research (2006, 2009-2017),</li> <li>- Scientific station “Samoylov Island” (2002 to present)</li> </ul>
<b>Significant publications during the past 5 years</b>	<p>Selected publications from overall 116 (in Russian and English)</p> <p>Bring, A., Fedorova, I., Dibike, Y., Hinzman, L., Mård, J., Mernild, S.H., Prowse, T., Semenova, O., Stuefer, S.L., Woo, M.-K. Arctic terrestrial hydrology: A synthesis of processes, regional effects, and research challenges. <i>Journal of Geophysical Research G: Biogeosciences</i>, (2016) 121 (3), pp. 621-649</p> <p>Boike, J., Georgi, C., Kirilin, G., Muster, S., Abramova, K., Fedorova, I., Chetverova, A., Grigoriev, M., Bornemann, N., Langer, M. Thermal processes of thermokarst lakes in the continuous permafrost zone of northern Siberia - observations and modeling (Lena River Delta, Siberia). <i>Biogeosciences</i>. (2015) 12 (20), pp. 5941-5965.</p> <p>Fedorova, I., Chetverova, A., Bolshiyarov, D., Makarov, A., Boike, J., Heim, B., Morgenstern, A., Overduin, P.P., Wegner, C., Kashina, V., Eulenburg, A., Dobrotina, E., Sidorina, I. Lena Delta hydrology and geochemistry: Long-term hydrological data and recent field observations. <i>Biogeosciences</i>. (2015), 12 (2), pp. 345-363.</p> <p>Dvornikov, Y. , Leibmann, M. , Heim, B. , Bartsch, A. , Haas, A. , Khomutov, A. , Gubarkov, A. , Mikhaylova, M. , Mullanurov, D. , Widhalm, B. , Skorospekhova, T. and Fedorova, I. Geodatabase and WebGIS project for long-term permafrost monitoring at the Vaskiny Dachi research station, Yamal, Russia. <i>Polarforschung</i>. (2015), 85 (2), pp. 107-115 . doi:10.2312/polfor.2016.007</p> <p>Haas Antonie, Heim Birgit, Zubrzycki Sebastian, Elger Kirsten, Schaefer-Neth Christian, Morgenstern Anne, Fedorova Irina. Assembly of the CarboPerm WebGIS for the Laptev Sea Region, Arctic Siberia – Data Visualisation as a WebGIS Service. <i>Polarforschung</i>. 85 (2), 135-141, 2015. doi:10.2312/polfor.2016.010</p>

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	<p>Nigamatzyanova G., Fedorova I., Frolova L., Sidorinna I., Tenchikov A. Assessment of the ecological state of The Larsemann Hills oasis lakes (East Antarctica) based on hydrobiological and hydrobiological indicators. The 16th international multidisciplinary scientific geoconference SGEM-2016. 2016. Book 5, vol. 2. P. 117-124. DOI: 10.5593/SGEM2016/B52/S20.016</p> <p>Fedorova I., T.Skorospekhova, A. Chetverova, J. Boike, A. Morgenstern, B. Heim, O. Bobrova and V. Dmitriev. Vulnerability of polar lakes according to investigation of Yamal peninsula, the Lena River delta, and East Antarctica oases water objects. Proceedings of International conference THAW 2014 - THERMOKARST Aquatic ecosystems Workshop. 12-15 March 2014, Quebec City, Canada. P.9  <a href="http://www.cen.ulaval.ca/thaw2014/document/THAW_2014_full_programme.pdf">http://www.cen.ulaval.ca/thaw2014/document/THAW_2014_full_programme.pdf</a></p> <p>Morgenstern, G. Grosse, F. Günther, I. Fedorova, and L. Schirrmeister, 2011: Spatial analyses of thermokarst lakes and basins in Yedoma landscapes of the Lena Delta. The Cryosphere, 5, P849-867, doi:10.5194/tc-5-849-2011,.</p> <p>Fedorova I.V., Verkulich S.R., Potapova T.M., Chetverova A.A., 2011: Postglacial estimation of the Schirmaher oasis lakes (East Antarctic) on the basis of hydrologo-geochemical and paleogeographical investigation. Polar Cryosphere and Land Hydrology. Edd. by V.M.Kotlyakov. – M.: Paulsen, P242-251.</p>
<p><b>Activities in scientific organizations and associations during the past 5 years</b></p>	<ul style="list-style-type: none"> <li>• <b>2016 to present</b> Member of Education-Methodical Committee at Institute of Earth Sciences of St. Petersburg State University</li> <li>• <b>2014 to present</b> Co-chief of Permafrost Hydrology section at Arctic Freshwater Synthesis subproject of CliC (Climate and Cryosphere) project of IASC (International Arctic Science Committee)</li> <li>• <b>2009 to present</b> Member of the Hydrology, geography, and geocology section of the Advisory board of Arctic and Antarctic Research Institute</li> </ul>
<p><b>Awards</b></p>	<ul style="list-style-type: none"> <li>• <b>2017</b> Diploma of Russian Hydrometeorological Survey</li> <li>• <b>2008</b> Diploma of Ministry of Education and Science of the Russian Federation</li> <li>• <b>2005</b> Certificate of Merit in the context of 80-years jubilee of Geography and Geocology Faculty of St. Petersburg State University</li> </ul>