

Name	Liudmila Lebedeva
Position	Senior research fellow
Affiliation	Melnikov Permafrost Institute, Yakutsk, Russia
Higher education	<ul style="list-style-type: none"> • 2018 PhD in hydrology, Institute of Geography, Moscow, Russia • 2012 MSc in Hydrometeorology, St. Petersburg State University, St. Petersburg, Russia
Academic career	<ul style="list-style-type: none"> • 2015 to present Research fellow, Melnikov Permafrost Institute, Yakutsk, Russia • 2012-2015 Research fellow, Nansen International Environmental and Remote Sensing Centre, St. Petersburg, Russia
Teaching activities	North-Eastern Federal University (2019 – to present) Invited lectures
Research and development projects during the past 5 years	<p>2020 – present, RFBR: Suprapermafrost subaerial taliks in continuous permafrost of Central Yakutia</p> <p>2019 – present, RSF: Winter streamflow in continuous permafrost of the Lena River basin</p> <p>2019 – present, RFBR: Water sources of small rivers of lowland and mountain permafrost</p> <p>2018 – present, RFBR: Assessment of groundwater contribution to the Lena River streamflow using tritium and hydrological modelling</p> <p>2018 – present, RFBR: The impact of climate change and fluctuations in the depth of seasonal thawing on the water balance of small rivers of the permafrost zone of the North-East of Russia</p> <p>2017 – present, RFBR: Taliks in continuous permafrost of Central Yakutia in changing climate: distribution, hydrogeological regime and role in streamflow formation</p> <p>2017 – present, RFBR: Mechanisms of interaction between surface water and groundwater in the small river basins underlain by permafrost based on tracer research methods</p> <p>2017 – present, RFBR: Formation and evolution of small river channels on the plains in the permafrost zone</p> <p>2017 – 2019: Copernicus Climate Change Service, project C3S_422_Lot1_SMHI Project Sub-contractor with the topic “Road and river transport in central Yakutia, East Siberia, Russia”</p> <p>2015 – 2017, RFBR: Study of surface, soil and groundwater transformation in watersheds on the basis of isotopic assessments of residence and transit time aimed at enhancement of deterministic runoff generation models</p> <p>2016, RFBR: Modelling of water inflow to the Kolyma reservoir under climate change conditions</p>

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	2015 – 2016, RFBR: Assessment of river flow characteristics and projections of hydrological regime changes for different landscapes of Russian permafrost zone in non-stationary environment
Significant publications during the past 5 years	<p>Selected publications from overall 27:</p> <p>Lebedeva L., Makarieva, O., Vinogradova T. (2019) Analysis of spatial variability of river streamflow at the catchment area of the Kolyma reservoir, IOP Conference Series Earth and Environmental Science 321:012022 DOI: 10.1088/1755-1315/321/1/012022</p> <p>Lebedeva L. (2019) Tracing surface and ground water with stable isotopes in a small permafrost research catchment, E3S Web of Conferences 98, 12011 (2019) WRI-16, https://doi.org/10.1051/e3sconf/20199812011</p> <p>Pavlova N., Lebedeva L., and Efremov V. (2019) Lake water and talik groundwater interaction in continuous permafrost, Central Yakutia, E3S Web of Conferences 98, 07024 (2019) WRI-16, https://doi.org/10.1051/e3sconf/20199807024</p> <p>Makarieva, O., Nesterova, N., Post, D. A., Sherstyukov, A., and Lebedeva, L. (2019) Warming temperatures are impacting the hydrometeorological regime of Russian rivers in the zone of continuous permafrost, The Cryosphere, 13, 1635-1659, https://doi.org/10.5194/tc-13-1635-2019, Q1</p> <p>Tarbeeveva A.M., Lebedeva L.S., Efremov V.S., Krylenko I.V., Surkov V.V., Shamov V.V., Lutsenko T.N. (2019) Conditions and processes of formation of a beaded channel of a small river in permafrost, Shestakovka river, Central Yakutia. KriosferaZemli, 23(2): 38-49. (in Russian) DOI:10.21782/KZ1560-7496-2019-2(38-49) Q3</p> <p>Lebedeva L.S., Bazhin K.I., Khristoforov I.I., Abramov A.A., Pavlova N.A., Efremov V.S., Ogonerov V.V., Tarbeeveva A.M., Fedorov M.P., Nesterova N.V., Makarieva O.M. (2019) Suprapermafrost subaerial taliks, Central Yakutia, Shestakovka river basin. KriosferaZemli, 23(1): 40-50. (in Russian) DOI: 10.21782/KZ1560-7496-2019-1(40-50) Q3</p> <p>Makarieva, O., Nesterova, N., Lebedeva, L., and Sushansky, S. (2018) Water balance and hydrology research in a mountainous permafrost watershed in upland streams of the Kolyma River, Russia: a database from the Kolyma Water-Balance Station, 1948–1997, Earth Syst. Sci. Data, 10, 689-710, https://doi.org/10.5194/essd-10-689-2018 Q1</p> <p>Tananaev N. I., Lebedeva L. S. (2018)The organic component of particulate matter in small streams of the northern Yenisei region during the summer-autumn period. Geography and Natural Resources. Vol.29, 2, pp. 140-147 Q3</p> <p>Nesterova N.V., Makarieva O.M., Vinogradova T.A., Lebedeva L.S. (2018) Modelling runoff formation processes at the BAM zone based on the data of the “Mogot” research site. Water sector of Russia: problems, technologies, management, No. 1, pp. 18–36. (in Russian)</p> <p>Makarieva O.M. , N.V. Nesterova, I.N. Beldiman, L.S. Lebedeva (2018) Actual Problems of Hydrological Assessments in the Arctic Zone of Russian Federation and Adjacent Permafrost Territories. Problemy Arktiki I Antarktiki. Arctic and Antarctic Research, 64 (1): 101–118. (In Russian). doi:10.20758/0555-2648-2018-64-1-101-118</p>

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	<p>Lebedeva, L. S., Makarieva O. M. (2017) Process-based hydrological modelling in different permafrost environments. In Syme, G., Hatton MacDonald, D., Fulton, B. and Piantadosi, J. (eds) MODSIM2017, 22nd International Congress on Modelling and Simulation. Modelling and Simulation Society of Australia and New Zealand, December 2017, pp. 1697-1703. ISBN: 978-0-9872143-7-9</p> <p>Lebedeva L. S., Makarieva O. M., Vinogradova T. A. (2017) Peculiarities of water balance formation in mountain catchments of Northeastern Russia (a case study for the Kolyma water balance station) // Meteorologiya i Gidrologiya 4: 90-101 (in Russian)</p> <p>Bégin PN, Lebedeva L, Tashyreva D, Velazquez D, Blaen PJ (2017) Future priorities for Arctic freshwater science from the perspective of early career researchers. Arctic Science 3: 661–671 dx.doi.org/10.1139/as-2016-0028</p> <p>Makarieva O. M., Beldiman I. N., Lebedeva L. S., Vinogradova T. A., Nesterova N.V. (2017) On the issue of validity of recommendations from SP 33-101-2003 for assessment of maximum flow characteristics of small rivers in the permafrost zone. Engineering Survey 6-7: 50-63 (in Russian)</p> <p>Tananaev, N. I., O. M. Makarieva, and L. S. Lebedeva (2016) Trends in annual and extreme flows in the Lena River basin, Northern Eurasia, Geophys. Res. Lett., 43, 10,764–10,772, doi:10.1002/2016GL070796</p> <p>Gagarin L.A. Semernya A.A., Lebedeva L.S. (2016) Assessment of thermal suffusion in Central Yakutia by the example of Ulakhan-Taryn site // Geoekologiya. Inzhenernayageologiya, gidrogeologiya, geokriologiya 3: 252-262 (in Russian)</p>
<p>Activities in scientific organizations and associations during the past 5 years</p>	<ul style="list-style-type: none"> • 2010 to present Permafrost young research network, member