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Assistant Research Professor, Department of Geographical Sciences, University of Maryland
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Education

Ph.D. in Geographical Sciences, 2015, University of Maryland, Department of Geographical Sciences;
Dissertation: “Characterizing forest disturbance dynamics in the humid tropics using optical and Lidar remotely sensed data sets”

M.Sc. in Cartography, 2011, Lomonosov Moscow State University, Faculty of Geography, Department of Cartography and Geoinformatics, Laboratory of Aerospace Methods, graduated with honors

Professional experience

2019 – present: Assistant Research Professor, U. of Maryland, Department of Geographical Sciences

2015 – 2019: Post-Doctoral Research Associate, U. of Maryland, Department of Geographical Sciences

2012 – 2015: Graduate Research Assistant, U. of Maryland, Department of Geographical Sciences

2011: Cartographer, Specialist of Technological Department; Research and Development Center ScanEx

2011: Research intern, South Dakota State University, Brookings, SD, USA

2010: Research Assistant, Lomonosov Moscow State University, Faculty of Geography, Department of Cartography and Geoinformatics

2009: Cartography intern, Institute for Information and Communication Technologies, Graz, Austria

Research projects

2021 – 2023, Principal Investigator, Multi-resolution quantification and driver assessment of hot spots of global forest disturbance (NASA LCLUC)

2020 – 2022, Co-Investigator, Shifting Cultivation at a Crossroads: Drivers and Outcomes of Recent Land-use Changes in Lao PDR (NASA LCLUC)

2019 – 2022, Co-Investigator, Supporting Operational Regional Land Cover Monitoring at High Spatial and Temporal Resolution for the Hindu-Kush-Himalayan Region (NASA SERVIR)

2018 – 2022, Co-Investigator, Generating time-series maps that accurately reflect land change area: A strategy for global land monitoring (USGS-NASA Landsat Science Team)

2017 – 2018, Co-Investigator, Nationalization of the Hansen tree cover loss/gain dataset for Madagascar (WRI)

2016 – 2019, Co-Investigator, Supporting satellite-based national land cover and land use change monitoring systems in Southeast Asian countries (Burma, Cambodia, Laos, Thailand, and Vietnam) (NASA SERVIR)

2015 – 2019, Researcher, CARPE III: Monitoring the Forest Resources of the Congo Basin (USAID)

2013 – 2015, Researcher, Global Forest Watch (Norwegian Climate and Forests Initiative)

2011 – 2015, Graduate Research Assistant, Quantifying Global Forest Cover Change (Gordon and Betty Moore Foundation)

Teaching experience

- Teaching assistant: GEOG 498R (Land cover characterization using multi-spectral, multi-temporal remotely sensed data sets), Spring 2013 and 2014;

- Visiting lecturer: GEOG 472 (Remote Sensing: Digital Processing and Analysis), Fall 2014 and 2015; GEOG 372 (Remote Sensing), Fall 2016 and 2017; GEOG 422 (Changing Geographies of Sub-Saharan Africa), Fall 2017; GEOG 617 (Land Cover Characterization Using Multi-Spectral Remotely Sensed Data Sets), Fall 2018 and 2019.

Service

International

- Peer review: Nature Geoscience (1), Scientific Reports (1), Remote Sensing of Environment (3), Environmental Research Letters (2), Remote Sensing (7), International Journal of Wildland Fire (1), International Journal of Remote Sensing (1), Forests (1), Ecological Management and Restoration (1), Conservation Letters (1), Science of the Total Environment (1), Canadian Journal of Forest Research (1), Biotropica (1), African Geographical Review (1), Forest Ecosystems (1);
- Collaboration: co-lead of the in Land Cover focus area within the Committee on Earth Observation Satellites (CEOS) Land Product Validation (LPV) subgroup, 2021-2023;

Campus and Department

- Content manager: UMD GLAD team social media (facebook.com/UMDGLAD and twitter.com/UMD_GLAD) and website (glad.umd.edu) since 2015;
- Alumni panelist: The College Behavioral and Social Sciences (BSOS) Dean's Graduate Student Advisory Council (DGSAC) Fall Graduate Resources for the Outside World (GROW) Alumni Panel & Networking Event, 2018;
- Research faculty representative, Department of Geographical Sciences, University of Maryland: Graduate Committee, 2018-2019; AV Williams Task Force, 2018; Department Committee, 2015-2016; International Center Task Force, 2021.
- Graduate student representative, Department of Geographical Sciences, University of Maryland: Graduate Committee, 2013-2014; Orientation Committee May-August 2012;
- Workshop host: bilateral workshop between Lund University (LU) and University of Maryland (UMD) "Advancing methods for multi-temporal satellite and in-situ data analysis", 1-5 May 2017; Final workshop of Norway-Russia cooperation project BENEFITS, Moscow, 24-27 February 2011.

Awards

- 2018 – NASA SERVIR Collaboration Award to the Regional Land Cover Monitoring System Team;
- 2015 – Baker Award for outstanding performance by a graduate student, Department of Geographical Sciences, University of Maryland;
- 2014 – Excellence in Graduate Research Award, Department of Geographical Sciences, University of Maryland.

Publications

Google Scholar: <https://scholar.google.com/citations?user=ZjLPnXcAAAAJ&hl=en>

Peer-reviewed journal papers

Pickering, J., **Tyukavina, A.**, Khan, A., Potapov, P., Adusei, B., Hansen, M.C., Lima, A. (2021) Using multi-resolution satellite data to quantify land dynamics: applications of PlanetScope imagery for cropland and tree-cover loss area estimation. *Remote Sensing*, 13(11), 2191.

- Song, X.-P., Hansen, M.C., Potapov, P., Adusei, B., Pickering, J., Adami, M., Lima, A., Zalles, V., Stehman, S.V., Di Bella, C.M., Cecilia, C.M., Copati, E.J., Fernandes, L.B., Hernandez-Serna, A., Jantz, S.M., Pickens, A.H., Turubanova, S., **Tyukavina A.** (2021). Massive soybean expansion in South America since 2000 and implications for conservation. *Nature Sustainability*.
- Harris N.L., Gibbs D.A., Baccini A., Birdsey R.A., de Bruin S., Farina M., Fatoyinbo L., Hansen M.C., Herold M., Houghton R.A., Potapov P.V., Requena Suarez D., Roman-Cuesta R.M., Saatchi S.S., Slay C.M., Turubanova S.A., **Tyukavina A.** (2020) Global maps of twenty-first century forest carbon fluxes. *Nature Climate Change*
- Potapov P., Li X., Hernandez-Serna A., **Tyukavina A.**, Hansen M.C., Kommareddy A., Pickens A., Turubanova S., Tang H., Silva C.E., Armston J., Dubayah R., Blair J.B., Hofton M. (2020) Mapping global forest canopy height through integration of GEDI and Landsat data. *Remote Sensing of Environment*, 253, 112165.
- Hansen M.C., Wang L., Song X.P., **Tyukavina A.**, Turubanova S., Potapov P.V., Stehman S.V. (2020) The fate of tropical forest fragments. *Science Advances*, 6(11), eaax8574.
- Potapov P., Hansen M.C., Kommareddy I., Kommareddy A., Turubanova S., Pickens A., Adusei B., **Tyukavina A.**, Ying, Q. (2020) Landsat Analysis Ready Data for Global Land Cover and Land Cover Change Mapping. *Remote Sensing*, 12(3), 426.
- Pickens, A.H., Hansen, M.C., Hancher, M., Stehman, S.V., **Tyukavina, A.**, Potapov, P., Marroquin, B., Sherani, Z. (2020) Mapping and sampling to characterize global inland water dynamics from 1999 to 2018 with full Landsat time-series. *Remote Sensing of Environment*, 243, 111792.
- Molinario, G., Hansen, M., Potapov, P., **Tyukavina, A.**, Stehman, S. (2020) Contextualizing Landscape-Scale Forest Cover Loss in the Democratic Republic of Congo (DRC) between 2000 and 2015. *Land*, 9(1), 23.
- Saah, D., Tenneson, K., Matin, ..., **Tyukavina, A.**, ... Chishtie, F. (2019) Land Cover Mapping in Data Scarce Environments: Challenges and Opportunities. *Frontiers in Environmental Science*.
- Hansen, M.C., Potapov, P., and **Tyukavina, A.** (2019) Comment on “Tropical forests are a net carbon source based on aboveground measurements of gain and loss”. *Science*, 363, 6423, eear3629.
- Potapov, P., **Tyukavina, A.**, Turubanova, S., Talero, Y., Hernandez-Serna, A., Hansen, M.C., Saah, D., Tenneson, K., Poortinga A., Aekakkarungroj, A., Chishtie, F., Towashiraporn P., Bhandari, B., Aung, K.S., Nguyen, Q.H. (2019) Annual continuous fields of woody vegetation structure in the Lower Mekong region from 2000-2017 Landsat time-series. *Remote Sensing of Environment* 232, 111278
- Krylov, A., Steininger, M.K., Hansen, M.C., Potapov, P.V., Stehman, S.V., Gost, A., Noel, J., Talero Ramirez, Y., **Tyukavina, A.**, Di Bella, C.M., Ellis, E.A., Ellis, P. (2019) Contrasting tree-cover loss and subsequent land cover in two neotropical forest regions: sample-based assessment of the Mexican Yucatán and Argentine Chaco. *Journal of Land Use Science*.
- Pickering J., Stehman S.V., **Tyukavina A.**, Potapov P., Watt P., Jants S.M., Bholanath P. and Hansen M.C. (2019) Quantifying the trade-off between cost and precision in estimating area of forest loss and degradation using probability sampling in Guyana. *Remote Sensing of Environment*, 221, pp.122-135.
- Zalles V., Hansen M.C., Potapov P.V., Stehman S.V., **Tyukavina A.**, Pickens A., Song X.-P., Adusei B., Okpa C., Aguilar R., John N., Chavez S. (2019) Near doubling of Brazil’s intensive row crop area since 2000. *PNAS*

- Tyukavina A.**, Hansen M.C., Potapov P., Parker D., Okpa C., Stehman S.V., Kommareddy I., Turubanova S. (2018) Congo Basin forest loss dominated by increasing smallholder clearing. *Science Advances* 4(11), eaat2993
- Curtis P.G., Slay C.M., Harris N.L., **Tyukavina A.**, Hansen M.C. (2018) Classifying drivers of global forest loss. *Science* 361(6407), 1108-1111
- Song X.-P., Hansen M.C., Stehman S.V., Potapov P.V., **Tyukavina A.**, Vermote E.F., Townshend J.R. (2018) Global land change from 1982 to 2016. *Nature* 506 (7720), 639.
- Turubanova S., Potapov P.V., **Tyukavina A.**, Hansen M.C. (2018) Ongoing primary forest loss in Brazil, Democratic Republic of the Congo, and Indonesia. *Environmental Research Letters*, 13(7), 074028.
- Tyukavina A.**, Hansen M.C., Potapov P.V., Stehman S.V., Smith-Rodriguez K., Okpa C., Aguilar R. (2017) Types and rates of forest disturbance in Brazilian Legal Amazon, 2000-2013. *Science Advances*, vol. 3, no. 4, e1601047.
- Potapov P., Siddiqui B.N., Iqbal Z., Aziz T., Zzaman B., Islam A., Pickens A., Talero Y., **Tyukavina A.**, Turubanova S., Hansen M.C. (2017) Comprehensive monitoring of Bangladesh tree cover inside and outside of forests, 2000–2014. *Environmental Research Letters*, 12(10), 104015.
- Ying Q., Hansen M.C., Potapov P.V., **Tyukavina A.**, Wang L., Stehman S.V., Moore R., Hancher M. (2017) Global bare ground gain from 2000 to 2012 using Landsat imagery. *Remote Sensing of Environment*, vol. 194, pp. 161-176.
- Molinario G., Hansen M.C., Potapov P.V., **Tyukavina A.**, Stehman S., Barker B., Humber M. (2017) Quantification of land cover and land use within the rural complex of the Democratic Republic of Congo. *Environmental Research Letters*, 11(10), 104001.
- Zscheischler J., Mahecha M.D., Avitabile V., ..., **Tyukavina A.**, ... Reichstein M. (2017) Reviews and syntheses: An empirical spatiotemporal description of the global surface–atmosphere carbon fluxes: opportunities and data limitations. *Biogeosciences*, 14(15), 3685-3703.
- Dinerstein E., Olson D., Joshi A., ..., **Tyukavina A.**, ..., Saleem M. (2017) An ecoregion-based approach to protecting half the terrestrial realm. *BioScience*
- Hansen M.C., Potapov P.V., Goetz S.J., Turubanova S., **Tyukavina A.**, Krylov A., Kommareddy A., Egorov A. (2016) Mapping tree height distributions in Sub-Saharan Africa using Landsat 7 and 8 data. *Remote Sensing of Environment*, vol. 185, pp. 221-232.
- Hansen M.C., Krylov A., **Tyukavina A.**, Potapov P.V., Turubanova S., Zutta B., Suspense I., Margono B., Stolle F., Moore R. (2016) Humid tropical forest disturbance alerts using Landsat data. *Environmental Research Letters*, 11, 034008.
- Tyukavina A.**, Hansen M.C., Potapov P.V., Krylov A.M., & Goetz S.J. (2016) Pan-tropical hinterland forests: mapping minimally disturbed forests. *Global Ecology and Biogeography*, 25(2), 151-163.
- Zarin, D.J., Harris, N.L., Baccini, A., Aksenov, D., Hansen, M.C., Ramos, C.A., Azevedo, T., Margono, B.A., Alencar, A.C., Gabris, C., Allegretti, A., Potapov, P., Farina, M., Walker, W.S., Shevade, V.S., Loboda, T.V., Turubanova, S., **Tyukavina A.** (2015) Can carbon emissions from tropical deforestation drop by 50% in five years? *Global change biology*, vol. 22, № 4, pp. 1336-1347.
- Tyukavina A.**, Baccini A., Hansen M.C., Potapov P.V., Stehman S.V., Houghton R.A., Krylov A.M., Turubanova S., Goetz S.J. (2015) Aboveground carbon loss in natural and human-modified tropical forests from 2000 to 2012. *Environmental Research Letters*, vol. 10, № 7, pp 1-14.
- Potapov P.V., Turubanova S.A., **Tyukavina A.**, Krylov A.M., McCarty J.L., Radeloff V.C., Hansen M.C. (2015) Eastern Europe’s forest cover dynamics from 1985 to 2012 quantified from the full Landsat archive. *Remote Sensing of Environment*, 2015, vol. 159, pp. 28-43.

- Krylov A., McCarty J. L., Potapov P., Loboda T., **Tyukavina A.**, Turubanova S., Hansen M.C. (2014) Remote sensing estimates of stand-replacement fires in Russia, 2002-2011. *Environmental Research Letters*, 2014, vol. 9, № 10, pp 1-8.
- Hansen M.C., Egorov A., Potapov P.V., Stehman S.V., **Tyukavina A.**, Turubanova S.A., Roy D.P., Goetz S.J., Loveland T.R., Ju J., Kommareddy A., Forsythe C., Bents T. (2014) Monitoring conterminous United States (CONUS) land cover change with Web-Enabled Landsat Data (WELD). *Remote Sensing of Environment*, 2014, vol.140, pp. 466-484.
- Hansen M.C., Potapov P.V., Moore R., Hancher M., Turubanova S.A., **Tyukavina A.**, Thau D., Stehman S.V., Goetz S.J., Loveland T.R., Kommareddy A., Egorov A., Chini L., Justice C.O., Townshend J.R.G. (2013) High-resolution global maps of 21-st-century forest cover change. *Science*: 342 (6160), 850-853.
- Tyukavina A.**, Stehman S.V., Potapov P.V., Turubanova S.A., Baccini A., Goetz S.J., Laporte N.T., Houghton R.A., Hansen M.C. (2013) National-scale estimation of gross forest aboveground carbon loss: a case study of the Democratic Republic of the Congo. *Environmental Research Letters*, 2013, vol.8, №4, pp 1-14.
- Zhuravleva I., Turubanova S., Potapov P., Hansen M., **Tyukavina A.**, Minnemeyer S., Laporte N., Goetz S., Verbelen F., Thies C. (2013) Satellite-based primary forest degradation assessment in the Democratic Republic of the Congo, 2000–2010. *Environmental Research Letters*, 2013, vol.8, №2, pp. 1-13.
- Margono B.A., Turubanova S., Zuravleva I., **Tyukavina A.**, Potapov P., Goetz S., Bachini A., Hansen M.C. (2012) Mapping and monitoring deforestation and forest degradation in Sumatra (Indonesia) using Landsat time series datasets from 1990 to 2010. *Environmental Research Letters*, 2012, vol. 7, №3, pp. 1-16.
- Tyukavina A.Yu.** (2012) Estimation of tree crown density in sparse larch forests of Taimyr peninsula with multiresolution satellite images. *Issledovanie Zemli iz Kosmosa*, 2012, №4, pp. 1-11 [in Russian].
- Kravtsova V., **Tyukavina A.** (2010) Stereoscopic computer decoding of aerospace images in geographical research. *Geodesy and Cartography*, 2010, №3, p. 34-39 [in Russian].

Book chapters

- McCarty J.L., Krylov A., Prishchepov A.V., Banach D. M., **Tyukavina A.**, Potapov P., Turubanova S. (2016) Agricultural fires in European Russia, Belarus, and Lithuania and their impact on air quality, 2002-2012. In: Gutman G., Radeloff V. (Ed.) *Land-Cover and Land-Use in Eastern Europe after the Collapse of the Soviet Union in 1991*, pp. 193-221.
- Sharov A.I., **Tyukavina A.Yu.**, Bushueva I.S. (2010) Generation of glacier data products. In: Sharov A. (Ed.) *Satellite Monitoring und Regional Analysis of Glacier Dynamics in the Barents-Kara Region*. Repteam, Graz, ISBN 9783200-016187, pp. 25 -36.

Other publications

- Turubanova S., Potapov P., Krylov A., **Tyukavina A.**, McCarty J.L., Radeloff V.C., Hansen M.C. (2015) Using the Landsat data archive to assess long-term regional forest dynamics assessment in Eastern Europe, 1985-2012. *The International Archives of the Photogrammetry, Remote Sensing and*

Spatial Information Sciences, Volume XL-7/W3, 2015. 36th International Symposium on Remote Sensing of Environment, 11-15 May 2015, Berlin, Germany.

- Tyukavina A.**, Golubeva E., Kravtsova V. (2011) Spatial structure of forest-tundra ecotone and active layer depth in the Ary-Mas site, Taimyr Peninsula. Proc. Final workshop of Norway-Russia cooperation project BENEFITS, Moscow, 24-27 February 2011, ISBN 978-5-89575-192-3
- Elsakov V., Shanov V., **Tyukavina A.** (2010) The vegetation cover dynamic of north-east European Russia in ecological gradients by radar and optical data. Proc. 4th Joint PI Symposium of ALOS Data Nodes for ALOS science program in Tokyo, 15-17 November 2010, p. 107.
- Tyukavina A.** (2009) Remote sensing study of permafrost lakes and ponds dynamics in the Yana river lower course region.// Young geographer's research: collection of articles by the winners of International student, postgraduate and young scientist conference "Lomonosov", section "Geography" / Edit. A.N. Ivanov. Moscow, Geographical department MSU, 2009, ISBN 978-5-89575-174-8, p.109-112 [in Russian].
- Sharov A.I. and **Tyukavina A.Yu.** (2009): Mapping and interpreting glacier changes in Severnaya Zemlya with the aid of differential interferometry and altimetry. Proc. Fringe 2009 Workshop, Frascati, ESA SP-677, 8 p.

Presentations and posters

- Tyukavina A., Hansen M., Potapov P., Song X., Adusei B., Khan A., Zalles V., Pickering J., Adami M., DiBella C. (2020) Towards Global Monitoring of Key Commodity Crops. A joint workshop sponsored by the NASA Harvest program, the United States Department of Agriculture (USDA) and Agriculture and Agri-Food Canada (AAFC) "Emerging Technologies and Methods in Earth Observation for Operational Agricultural Monitoring", 25-27 February 2020, Beltsville, MD.
- Tyukavina A., Hansen M.C., Potapov P., Parker D., Okpa C., Stehman S., Kommareddy I., Turubanova S. (2018) Sample-based Assessment of Direct Drivers and Rates of Forest Disturbance in the Congo Basin (*poster*). AGU Fall meeting 2018, 10-14 December, Washington D.C.
- Tyukavina A. (2018) Calibrating UMD GLAD forest monitoring products for the South Caucasus region. A series of national capacity building workshops "Upscaling Global Forest Watch in Caucasus Region", 7-19 November 2018, Baku (Azerbaijan), Tbilisi (Georgia), Yerevan (Armenia)
- Tyukavina A. (2018) UMD GLAD Global Forest Monitoring: From Landsat archive mining to operational products. Society for Conservation GIS and Conservation Biology Institute Webinar Series, 1 November 2018, online (215 registered participants)
- Tyukavina A., Hansen M.C., Potapov P., Parker D., Okpa C., Turubanova S., Kommareddy I., Stehman S.V., Tosiani A., Yazid M., Purwanto J., Nugroho S., Sari I., Kartika T., Firmansyah R., Said Z., Wijaya A. (2018) Sample-based assessment of forest loss trends and drivers in three major humid tropical forest regions using Landsat time-series data. ForestSAT conference, 1-5 October 2018, College Park, MD
- Tyukavina A. (2018) Introduction to sample-based tree cover and change quantification. National capacity building training workshop: Implementing GLAD system for forest cover change monitoring in Madagascar, 16-27 April 2018, College Park, MD
- Tyukavina A. (2018) Accuracy assessment and area estimation using stratified sampling. GEOGLAM workshop on national-scale cropland mapping. 5-9 March, 2018 College Park, MD

- Tyukavina A. (2018) Congo and Amazon Basin forest loss area and land use driver assessment. SilvaCarbon capacity building workshop for Guatemala, Peru, Colombia, Cameroon, Nepal and Vietnam. 31 January 2018, College Park, MD
- Tyukavina A., Hansen M., Potapov P., Turubanova S., Krylov A., Song X.P., Hudson A., Amani P., Ying Q., Zalles V., Adusei B. (2018) A strategy for global land change monitoring. NASA Workshop on “Enabling Analytics in the Cloud for Earth Science Data”, 21-23 February 2018, Annapolis, MD
- Tyukavina A., Potapov P., Hansen M., Talero Y., Turubanova S., Pickering J., Hudson Pickens A., Hanh Quyen. N., Spirovska Kono, M. (2017) National forest cover monitoring in mainland South and Southeast Asia: method development and capacity building. AGU Fall meeting 2017, 11-15 December, New Orleans, LA
- Tyukavina A., Hansen M., Potapov P. (2017) Regional forest monitoring system for Southeast Asia. SERVIR Annual Global Exchange (SAGE) Conference, 9-13 October 2017, Bilbao, Spain
- Tyukavina A., Hansen M., Potapov P., Stehman S., Turubanova S., Krylov A. Sample-based analysis in land cover change studies: area estimation and thematic interpretations (2017) Big data for a small planet: workshop between University of Maryland and Lund University, 27-28 February 2017, Lund, Sweden
- Tyukavina A. (2017) Development of Cameroon forest cover mapping: sample-based estimation process and tool. National capacity building training workshop, 20 February – 10 March 2017, College Park, MD
- Tyukavina A., Hansen M., Potapov P., Turubanova S., Krylov A., Steininger M., Margono B. (2017) Differentiating types of forest and forest disturbance (*invited*). 4th Annual Global Forest Watch Partnership Meeting, 8-9 February 2017, Washington D.C.
- Tyukavina A., Potapov P., Hansen M., Saah D. (2016) Supporting satellite-based national land cover change monitoring systems in Southeast Asian countries (*poster*). SERVIR Annual Global Exchange (SAGE) Conference, 24-28 October 2016, Pokhara, Nepal
- Tyukavina A., Hansen M., Potapov P., Turubanova S., Song X., Ying Q., Krylov A., Hudson A., King L., Talero Y., Khan A., Wang L., Zalles V., Adusei B. (2016) Using Landsat and Sentinel 2 data to baseline and forward monitor land cover change (*invited, panelist*). The 2nd EARSeL SIG LU/LC and NASA LCLUC joint Workshop “Advancing horizons for land cover services entering the big data era”, 6-7 May 2016, Prague, Czech Republic
- Tyukavina A., Baccini A., Hansen M., Potapov P., Stehman S., Houghton R., Krylov A., Turubanova S. (2015) A new pan-tropical estimate of carbon loss in natural and managed forests in 2000-2012. AGU Fall meeting 2015, 14-18 December, San-Francisco, CA
- Tyukavina A., Baccini A., Hansen M., Potapov P., Stehman S., Houghton R., Krylov A., Turubanova S., Goetz S. (2015) Forest cover and aboveground carbon loss in natural and managed tropical forests in 2000-2012 (*poster*). NASA Carbon Cycle and Ecosystems Joint Science Workshop. 20-24 April 2015, College Park, MD
- Tyukavina A., Potapov P., Hansen M. (2014) Forest cover change detection using time-series land cover inputs. Southern and Eastern Africa Land Cover Technical Exchange meeting. 22-24 July 2014, EROS Data Center, Sioux Falls, SD
- Tyukavina A. (2014) Monitoring sparse forests and trees outside the forest using medium-resolution satellite data: limitations. Technical Workshop on Monitoring Trees Across the Sahel. 27-28 May 2014, World Resources Institute, Washington D.C.

- Tyukavina A., Hansen M., Stehman S., Potapov P., Turubanova S., Baccini A., Goetz S., Laporte N., Houghton R. (2014) Incorporating uncertainty into forest cover loss estimation. Session on Accuracy and conservativeness session (*panelist*). Land cover and forest biomass in central Africa – International conference, 20-21 March 2014, Libreville, Gabon
- Tyukavina A., Hansen M., Potapov P., Stehman S., Turubanova S. (2014) Intact (hinterland) forest mapping in the tropical regions. Forest degradation session (*panelist*). Land cover and forest biomass in central Africa – International conference, 20-21 March 2014, Libreville, Gabon
- Tyukavina A., Hansen M., Stehman S., Potapov P., Turubanova S., Baccini A., Goetz S., Laporte N., Houghton R. (2013) Incorporating uncertainty in national-scale estimation of gross forest cover loss in the Democratic Republic of the Congo and Peru. Workshop on Error Propagation for Carbon Estimation, 4-6 December 2013, Mexico City, Mexico
- Tyukavina A., Krylov A., Potapov P., Turubanova S., Hansen M., McCarty J. (2013) Cropland management dynamics as a driver of forest cover change in European Russia (*invited*). AGU Fall meeting 2013, 9-13 December, San-Francisco, CA
- Tyukavina A., Stehman S., Potapov P., Turubanova S., Baccini A., Goetz S., Laporte N., Houghton R., Hansen M. (2013) Characterizing uncertainties of the national-scale forest gross aboveground biomass (AGB) loss estimate: a case study of the Democratic Republic of the Congo (*poster*). AGU Fall meeting 2013, 9-13 December, San-Francisco, CA
- Tyukavina A., Potapov P., Hansen M., Egorov A., Goetz S. (2012) Assessment of Recently Unchanged Forested Areas in the United States Using Landsat-WELD and LIDAR data (*poster*). AGU Fall meeting 2012, 2-8 December, San-Francisco, CA
- Tyukavina A. (2010) Small-Scale Remote Sensing Mapping of Geosystems in Taymyr–Putoran Region (*poster*). IPY Oslo Science Conference, Norway, Oslo, 7-12 June 2010

Popular press coverage

Of my first-author research:

Tyukavina et al. (2018) study on drivers of forest loss in the Congo Basin was covered in:

[“The bold plan to save Africa's largest forest”](#) *BBC Future*. Peter Yeung (Jan. 7, 2021)

[“The Congo's Ancient Forest Could Be Gone in Our Lifetime”](#) *Earther*. Yessenia Funes (Nov. 9, 2018)

[“Massive Congo forest loss driven by hands, not machines”](#) *Cosmos Magazine*. Nick Carne (Nov. 8, 2018)

[“Smallholder clearing found to be dominant reason for forest loss in the Congo Basin”](#) *Phys. org* Bob Yirka (Nov. 8, 2018)

[“Research Finds Congo Basin’s Old-growth Forests Vanishing at Alarming Rate”](#) *UMD Today*. Sara Gavin (Nov. 8, 2018)

[“Congo Basin rainforest may be gone by 2100, study finds”](#) *Mongabay Environmental News*. Morgan Erickson-Davis (Nov. 7, 2018)

Tyukavina et al. (2017) study on types and rates of forest disturbance in Brazilian Legal Amazon was featured in:

["Amazon rainforest faces double jeopardy"](#) *Climate News Network*. Tim Radford (May 6, 2017)

Tyukavina et al. (2016) study on the extent of recently undisturbed and unfragmented (hinterland) tropical forests was highlighted in:

["There's no such thing as truly 'pristine' nature anymore"](#) *BBC Future*. Rachel Nuwer (Feb. 8, 2016)

["Where the forest is still primeval"](#) *WHRC press release* (Nov. 10, 2015)

Tyukavina et al. (2015) study on pan-tropical carbon dynamics was covered in:

["Is tropical forest carbon loss in Africa and Southeast Asia higher than we thought?"](#) *EnvironmentalResearchWeb* (Sep. 28, 2015)

Tyukavina et al. (2013) study on carbon loss in the Democratic Republic of the Congo was featured in:

["Conventional satellite imagery may underestimate forest clearing for subsistence agriculture"](#) *Mongabay Environmental News*. Rhett Butler (Dec. 9, 2013)

Of my research in collaboration:

2020 update of the global forest loss data was covered in:

["Tropical Forest Destruction Accelerated in 2020"](#) *The New York Times*. Henry Fountain (March 31, 2021)

["Destruction of world's forests increased sharply in 2020"](#) *The Guardian*. Fiona Harvey (March 31, 2021)

["Global forest losses accelerated despite the pandemic, threatening world's climate goals"](#) *The Washington Post*. Chris Mooney, Brady Dennis and John Muyskens (March 31, 2021)

["Forest Destruction Surged in 2020 Even as Global Economy Slowed"](#) *Bloomberg Green*. Eric Roston (March 31, 2021)

["Global rainforest loss 'relentless' in 2020, but SE Asia offers hope"](#) *Reuters*. Michael Taylor (March 31, 2021)

["Global forest loss increases in 2020, but pandemic's impact is unclear"](#) *Mongabay Environmental News*. Rhett A. Butler (31 March, 2021)

2019 update of the global forest loss data was highlighted in:

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