

OLEKSANDR SOSHENSKYI



Head of the International Projects Office. Associate Professor of Forestry Department of the Institute of Forestry and Landscape-Park Management. Employee of the Regional Eastern Europe Fire Monitoring Center (REEFMC). National University of Life and Environmental Sciences of Ukraine (<http://nubip.edu.ua>)

Address: Heroiv Oborony Street, 15, Kyiv, 03041, Ukraine

Contact: tel. (+38) 096 170 43 56, email: soshenskyi@nubip.edu.ua

Linkedin: <https://www.linkedin.com/in/oleksandr-soshenskyi-054851148/>

Scopus: <https://www.scopus.com/authid/detail.uri?authorid=57226028922&origin=recordpage>

Google scholar: <https://scholar.google.com/citations?user=-nbnbqiaaaaj&hl=uk>

ORCID: <https://orcid.org/0000-0002-3028-0723>

EDUCATION

- Dec. 2016** *National University of Life and Environmental Sciences of Ukraine, Kyiv (Ukraine)*
Candidate of Science (Forest Inventory and Forest Mensuration)
Dissertation Title: Features of stem assortment structure and tree-size distribution of *Tilia cordata* L. stands in the forest-steppe of Ukraine
- Dec. 2012** *National University of Life and Environmental Sciences of Ukraine, Kyiv (Ukraine)*
Master of Sci. (Forestry)
Information systems in forestry. Forest productivity modeling. Forest monitoring. GIS technology in forestry. Forestry planning. Forest management. Forest policy
- Jul. 2012** *National University of Life and Environmental Sciences of Ukraine, Kyiv (Ukraine)*
Bachelor of Economics
Economic modelling. Organization of production. Marketing. Agricultural management. Foreign Language. Macroeconomics. Finances. Company strategy
- Jun. 2011** *National University of Life and Environmental Sciences of Ukraine, Kyiv (Ukraine)*
Bachelor of Forestry and Park Gardening
Philosophy. Math. Biometrics. Forest mensuration. Forestry. Fire management. Mathematical modelling
- May 2009** *Kremenets Forestry College, Kremenets (Ukraine)*
Junior Specialist of Forestry
Forest management. Forest plantations. Forestry. Math. Biology. Ecology. Philosophy

WORK EXPERIENCE

- Nov. 2024 – current** *National University of Life and Environmental Sciences of Ukraine, Kyiv (Ukraine)*
Head of the Department
International Projects Department. Administrative and technical support of international projects, participation in international projects.
- Jan. 2018 – current** *National University of Life and Environmental Sciences of Ukraine, Kyiv (Ukraine)*
Associate Professor
Department of Silviculture. Teaching Forestry, Forest Pyrology, Fire management, Forest ecology, Non-timber forest resources, Recreational forestry, Silviculture
- Sept. 2015 – Des. 2018** *National University of Life and Environmental Sciences of Ukraine, Kyiv (Ukraine)*
Assistant Professor
Department of Forest Mensuration and Forest Management. Teaching Forest Inventory, Forest mensuration, Forest Data Analysis

Nov. 2013 – current	<i>Regional Eastern Europ Fire Monitoring Center (REEFMC)</i> Researcher. Employee of the REEFMC Fire management
Jun. 2013 – Jun. 2016	<i>National Ukrainian Forest Inventory Enterprise "Ukrderzhlisproekt ", Irpin city (Ukraine)</i> Engineer Forest inventory
Jan. – Jun. 2013	<i>State Enterprise «Manevitske forestry», Manevichi city (Ukraine)</i> Deputy Chief of Forest Ranger District Forestry

PERSONAL SKILLS

Mother tongues: Ukrainian

Foreign language: English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

COMMON EUROPEAN FRAMEWORK OF REFERENCE FOR LANGUAGES

Communication skills: Good communication skills gained through my experience as teacher, lecturer, scientific adviser and research projects team member

Digital competence: MS Office, Internet, Statistics, Date Base, QGIS, Photoshop, Lightroom

Driving licence - B

PUBLICATIONS

- Bogomolov V., Zibtsev S., Myroniuk V., Holiaka D., Soshenskyi O., Gumeniuk V., Kalchuk Y., Budzinskyi I., & Zibtseva I. (2025). Performance of the daily fire hazard index within territories contaminated by the Chernobyl nuclear disaster. *International Journal of Disaster Risk Reduction*, 116, 105159. URL: <https://doi.org/10.1016/j.ijdrr.2024.105159>.
- Zibtsev S., Goldammer J. G., Myroniuk V., Myroniuk V., Sydorenko S., **Soshenskyi O.**, Bogomolov V., Borsuk O. Report on the large wildfires of 2022 in Europe (2024). Almeida, M., Soviev, M., San-Miguel, J. European Commission, Joint Research Centre. Publications Office of the European Union. URL: <https://data.europa.eu/doi/10.2760/19760>.
- De Klerk L., Shlapak M., Gassan-zade O., Korthuis A., Zibtsev S., Myroniuk V., **Soshenskyi O.**, Vasylyshyn R., Krakovska S., Kryshchuk L. (2024). Climate damage caused by russia's war in Ukraine. 24 February 2022 – 23 February 2024 by Initiative on GHG accounting of war. 120 p. URL: <https://en.ecoaction.org.ua/wp-content/uploads/2024/06/Climate-Damage-Caused-by-War-24-months-EN.pdf>.
- Dmytro Averin et al. (2024). The environmental consequences of the war against Ukraine: Preliminary 12-month assessment, summary and recommendations. Conflict and Environment Observatory, Zoï Environment Network, OSCE, 2024, 27 p. URL: https://nubip.edu.ua/sites/default/files/u184/osce-ukraine-env-cons_en.pdf.
- Soshenskyi O.**, Melnykovych M., Lobchenko G., Zibtsev S., Kalchuk Ye. (2023). Silvicultural approach required to increase forest resilience to climate change and wildfires in the Ukrainian Carpathians. Abstract for the 7th Forum Carpathicum conference.
- Soshenskyi O.**, Myroniuk V., Zibtsev S., Gumeniuk V., de Miguel Díez F., & Vasylyshyn R. (2024). Mapping Wildland-urban interfaces to support wildfire management over fire-prone forest outskirts of the Zhytomyr region. *Ukrainian Journal of Forest and Wood Science*, 15(2), 23-40. <https://doi.org/10.31548/forest/2.2024.23>.
- Sydorenko S., Gumeniuk V., De Miguel-Díez F., **Soshenskiy O.**, Budzinskyi I., Koren V. (2024). Assessment of the surface forest fuel load in the Ukrainian Polissia. *Fire Ecol.* 20, 35. URL: <https://doi.org/10.1186/s42408-024-00265-z>
- Zibtsev S., Pasternak V., Vasylyshyn R., Myroniuk V., Sydorenko S., **Soshenskyi O.** (2024). Assessment of carbon emissions due to landscape fires in Ukraine during war in 2022. *Ukrainian Journal of Forest and Wood Science*, 15(1), 126-139. URL: <https://doi.org/10.31548/forest/1.2024.126>
- Myroniuk V., Zibtsev S., Bogomolov V., Goldammer J. G., **Soshenskyi O.**, Levchenko V., Matsala M. Combining Landsat time series and GEDI data for improved characterization of fuel types and canopy metrics in wildfire simulation.

- Journal of Environmental Management. Vol. 345. 2023. 118736. ISSN 0301-4797. ULR: <https://doi.org/10.1016/j.jenvman.2023.118736>.
- Waeber, P.O.; Melnykovych, M.; Riegel, E.; Chongong, L.V.; Lloren, R.; Raher, J.; Reibert, T.; Zaheen, M.; **Soshenskyi, O.**; Garcia, C.A. Fostering Innovation, Transition, and the Reconstruction of Forestry: Critical Thinking and Transdisciplinarity in Forest Education with Strategy Games. *Forests* 2023, 14, 1646. ULR: <https://doi.org/10.20944/preprints202305.1718.v1>.
- Zibtsev S, **Soshenskyi O.**, Melnykovych M., Blaser J., Waeber P. O., Patrick O, Garcia C. Ukrainische Wälder im Fokus von Klimakrise Krieg und Brandkatastrophen. *Schweizerische Zeitschrift für Forstwesen* (2023) 174 (2): 115–117. ULR: <https://doi.org/10.3188/szf.2023.0115> ULR: [sites/default/files/u184/i2235-1469-174-2-115.pdf](https://nubip.edu.ua/sites/default/files/u184/i2235-1469-174-2-115.pdf).
- Rosset C., **Soshenskyi O.**, Melnykovych M. (2024). Enhancing Close-to-Nature Silviculture in Ukraine: The Utility of martelage.sylvotheque.ch in Fostering Post-War Forest Recovery. Abstract for the IUFRO World Congress, 2024. 5833.
- Zibtsev S.V., **Soshenskyi O.M.**, Goldammer J.G., Myroniuk V.V., Borsuk O.A., Humeniuk V.V., Meshkova V.L., Vasylyuk O.V., Buksha I.F. Forest Management on Territories Contaminated with Unexploded Ordnance. Short report of the project WWF-Ukraine “Supporting responsible forestry for sustainable development in Central and Eastern Europe”. WWF-Ukraine, 2023. 24 p. URL: <http://dx.doi.org/10.13140/RG.2.2.22495.12966>.
- Zibtsev S., **Soshenskyi O.**, Gumeniuk V., Bohomolov V. Integrated Landscape Fire Management Plan in the Luhansk Oblast: monograph / Kyiv: Editorial and Publishing Department of NULES of Ukraine, 2023. 257 c. https://nubip.edu.ua/sites/default/files/u184/zibtsev_et_al_monograf_2023.pdf (in Ukrainian).
- Zibtsev S, **Soshenskyi O.**, Melnykovych M., Blaser J., Waeber P. O., Patrick O, Garcia C. Ukrainische Wälder im Fokus von Klimakrise Krieg und Brandkatastrophen. *Schweizerische Zeitschrift für Forstwesen* (2023) 174 (2): 115–117. ULR: <https://doi.org/10.3188/szf.2023.0115>. ULR: <https://nubip.edu.ua/sites/default/files/u184/i2235-1469-174-2-115.pdf>.
- Soshenskyi O.**, Myroniuk V., Zibtsev S., Gumeniuk V., Lashchenko A. Evaluation of Field-Based Burn Indices for Assessing Forest Fire Severity in Luhansk Region, Ukraine. *Ukrainian journal of forest and wood science*, 2022. Vol. 13, No 1. Вип. 3. С. 21–34. URL: [https://doi.org/10.31548/forest.13\(1\).2022.48-57](https://doi.org/10.31548/forest.13(1).2022.48-57).
- Zibtsev S., Georg Goldammer J., **Soshenskyi O.**, Gumeniuk, V.: Transformation of Forests to Close-to-Nature Forest Management in Ukraine: Nature-based silvicultural and fire management methods for increasing the resilience of pine stands to drought and wildfire, EGU General Assembly 2022, Vienna, Austria, 23–27 May 2022, EGU22-13361, ULR: <https://doi.org/10.5194/egusphere-egu22-13361>.
- Vasylyshyn R., Lakyda I., Melnyk O., Lakyda M., **Soshenskyi O.**, Pinchuk A. Oxygen productivity of urban forests of Kyiv city as a constituent of its sustainable development. 2nd International Conference on Environmental Sustainability in Natural Resources Management, ISCES 2022, Riga1, November 2022, Code 186111. ULR: <https://doi.org/10.1088/1755-1315/1126/1/012012>.
- Myroniuk V., Bilous A., ..., **Soshenskyi O.**, et al. Taper equations for eight major forest tree species in flat land Ukraine. *Forestry: An International Journal of Forest Research*. 2023. cpac052. ULR: <https://doi.org/10.1093/forestry/cpac052>.
- Myroniuk V., Zibtsev S., **Soshenskyi O.**, Gumeniuk V., Vasylyshyn R., Bidolakh D. Mapping fire severity over heterogeneous forested landscapes in the Eastern Ukraine to support postfire forest management. Proceedings of the XVI International Scientific Conference “Monitoring of Geological Processes and Ecological Condition of the Environment” 15–18 November 2022, Kyiv, Ukraine. ULR: <https://doi.org/10.3997/2214-4609.2022580096>.
- Soshenskyi O.**, Zibtsev S., Tierientiev A., Vorotynskyi O. Social and environmental consequences of catastrophic forest fires in Ukraine. *Ukrainian Journal of Forest and Wood Science*. 2021. 12(3). P. 21-34. ULR: <http://dx.doi.org/10.31548/forest2021.03.002>.
- Soshenskyi O.**, Zibtsev S., Gumeniuk V., Goldammer J. G., Vasylyshyn R., Blyshchik V. The current landscape fire management in Ukraine and strategy for its improvement. *Environmental & Socio-economic Studies*. Vol. 9. No. 2. 2021. P. 39-51. ULR: <https://doi.org/10.2478/enviro-2021-0009>.
- Bilous A., Myroniuk V., Svynchuk V., **Soshenskyi O.**, Lesnik O., Kovbasa Y. Semi-empirical estimation of timber taper using stem profile equations. *Journal of forest science*. 2021. ULR: https://www.agriculturejournals.cz/web/ifs.htm?type=article&id=209_2020-JFS.
- Gumeniuk V., Holiaka D., Koren V., **Soshenskyi O.**, Effects of ground fires on Scots pine forests of the Poliskyi Nature Reserve. *Forestry ideas*. 2021. Vol. 27. No 1 (61) 3-18 p.
- Myroniuk V., Zibtsev S., Bogomolov V., **Soshenskyi O.**, Gumeniuk V., Vasylyshyn R. A web-based platform LANDSCAPE FIRES:

- regional-level fire Management information system for Northern Ukraine. Proceedings of the XXth International Conference "Geoinformatics: Theoretical and Applied Aspects", 10-14 May 2021, Kyiv. P. 21113. URL: <https://eage.in.ua/wp-content/uploads/2021/05/21113.pdf>.
- Zibtsev S., Myroniuk V., Lakyda P., **Soshenskyi O.**, Gumeniuk V., Yavorovskiy P., Bogomolov V. Wildfires and Fire Management in the Chernobyl Exclusion Zone during 1986-2020. Monograph. CP "COMPRINT", Kyiv, 2020. 218 p.
- Zibtsev S., **Soshenskyi O.**, Myroniuk V., Gumeniuk V. Wildfire in Ukraine: an overview of fires and fire management system. Ukrainian Journal of Forest and Wood Science. 2020. 10(3):27-40. URL: <https://doi.org/10.31548/forest2020.02.015>.
- Zibtsev S., **Soshenskyi O.**, Myroniuk V., Gumeniuk V. landscape Fires of the Ukrainian Part of the Trans-Border Ramsar Territory «Olmany-Perebrody» According to Remote Sensing Data. Forestry and forest melioration. Iss. 134. 2019. P 88–95. URL: https://nubip.edu.ua/sites/default/files/u184/10_zibtsev.pdf.
- Zibtsev S. V., **Soshenskyi O. M.**, Humeniuk V. V., Koren V. A. Long term dynamic of forest fires in Ukraine. Ukrainian Journal of Forest and Wood Science. 2019. 10(3):27-40 (8) (PDF) Long term dynamic of forest fires in Ukraine.
- Zibtsev S., Lasko R., Myroniuk V., Gumeniuk V., **Soshenskyi O.**, Yavorovskii P., Goldammer J. G. Concept for Integrated Fire Management on Terrain Contaminated by Radionuclides in the Chernobyl Exclusion Zone. 7^a Conferência Internacional sobre Incêndios Florestais – Resumos. Ano 9 – Número 1 – 2019. URL: https://nubip.edu.ua/sites/default/files/u184/biobrasil_wildfire-completa_s.zibtsev.pdf.
- Zibtsev, S. V., Myroniuk, V. V., **Soshenskyi, O. M.**, Koren, M. S., & Koren, V. A. Wildfire regimes of natural landscapes of the Rivne region of Ukraine. Scientific Bulletin of UNFU, 29(6), 2019. 18–23. URL: <https://doi.org/10.15421/40290603>.

ACTIVITIES

- | | |
|---------------------------------|--|
| Sep. 15 - Oct. 15, 2024 | Internship at Oregon State University under the BridgeUSA Ukrainian Academic Fellows Program (Corvallis, USA) |
| Aug. 19 - Sep. 01, 2024 | Summer school on nature-oriented forestry at Bern University of Applied Sciences (BFH-HAFL) (Bern, Switzerland) |
| Jun. 23 - Jun. 29, 2024 | XXVI IUFRO World Congress (Stockholm, Sweden) |
| Mar. 21 - Mar. 22, 2024 | Training on "Fire Danger Rating System and Early Warning Systems (FDRS/EWS)" at FAO headquarters (Rome, Italy) |
| Jun. 12, - Jun. 13, 2024 | Erasmus+ collaboration seminar for Austrian and Ukrainian higher education institutions (Vienna, Austria) |
| Jun. 02 - Jun. 08, 2024 | Seminar "Supporting collaboration between the University of Reading (UK) and the National University of Life and Environmental Sciences of Ukraine" (Warsaw, Poland) |
| Mar. 19 - Mar. 21, 2024 | Second technical seminar of the Global Fire Management Center at FAO headquarters (Rome, Italy) |
| Apr. 26, 2023 | Participating in the first seminar on Close to Nature Silviculture with Marteloscope - https://nubip.edu.ua/en/node/126776 . |
| Jan.-Feb., 2023 | Participating in the Mobility Program for Scientists and Researchers of Bern University of Applied Sciences - https://nubip.edu.ua/en/node/125584 . |
| Oct. 25-30, 2021 | Research stay in Germany on the Project "Transformation of Forests to Close-to-Nature Forest Management in Ukraine: Nature-based silvicultural and fire management methods for increasing the resilience of pine stands to drought and wildfire" (RESILPINE) https://nubip.edu.ua/node/100679 . |
| Apr. 9, 2019 | Training for forest firefighters in the State Enterprise "Ostersky Military Forestry" to use a controlled burning. Chernihiv region. Ukraine https://nubip.edu.ua/en/node/60177 . |
| Feb. 21, 2019 | Training for forest firefighters in the Rivne Natural Reserve. Sarny city, Rivne region, Ukraine https://nubip.edu.ua/en/node/56835 . |

Oct. 24, 2018	International conference “Ecological and social challenges for the forests and forest management and possible solutions to them”. Kyiv, Ukraine https://nubip.edu.ua/en/node/52269 .
Mar. 3, 2018	The 2nd National Round Table "Fires in the Natural and Cultural Landscapes of Ukraine: Developing a National Policy for the Wildfires Management" – announcement. Kyiv, Ukraine https://nubip.edu.ua/en/node/57326 .
Feb. 20, 2018	Vth National Coordination Meeting on Prevention and Safe Suppression of Wildfires in the Chernobyl Exclusion Zone. Kyiv, Ukraine https://nubip.edu.ua/en/node/43469 .
Oct. 26, 2017	National Round Table – fires in the natural and cultural landscapes of Ukraine: towards a holistic fire management approach in forests, agricultural lands and other ecosystems. Kyiv, Ukraine https://nubip.edu.ua/en/node/38408 .
Aug. 7-21, 2017	International Seminar on Disaster management. USA, California https://www.fs.usda.gov/inside-fs/delivering-mission/apply/international-seminar-disaster-management-shares-best-practices .
Jun. 28, 2017	A Workshop Assessing Wildfire Risk and Exploring Mitigation Strategies for Chernobyl Affected Landscapes. Kyiv, Ukraine https://nubip.edu.ua/en/node/34593 .
Apr. 13, 2017	III National Coordination Meeting, field/command staff training in the Chernobyl Exclusion Zone. Chernobyl city, Kyiv region, Ukraine https://nubip.edu.ua/en/node/33689 .
Durin 2017	Local Expert on forest fire management in the project “Improving radiological and environmental awareness in territories affected by the Chernobyl accident in Belarus and Ukraine with a focus on wildfire management”. https://nubip.edu.ua/sites/default/files/u184/terminologiya_04_sep_2017.pdf https://gfmcoonline/wp-content/uploads/BEL-RUS-Chernobyl-Fire-Management-Guidelines-OSCE-GFMC-2017.pdf .
Dec. 1-3, 2016	Second National Coordination Meeting on enhancing fire management capacity in the Chernobyl Exclusion Zone. Voevodino resort, Trans-Carpathian region, Ukraine https://nubip.edu.ua/en/node/33690
Sep. 26-30, 2016	Training on large fire incidents management and coordination for top/middle level commanders in the Chernobyl Exclusion Zone. Boyarka city, Kyiv oblast, Ukraine https://nubip.edu.ua/en/node/33692 .

PROJECTS / GRANTS

Nov. 2024 – Oct. 2027	ERASMUS “Modernizing master programs to support forest sector transformation towards Ukraine’s post-war green rebuilding” ForestPost (2024-2027, grant agreement No. 101179074 – ForestPost)
2022	WWF-Ukraine “Forest Management on Territories Contaminated with Unexploded Ordnance” (2022). Report, full version (UKR): https://nubip.edu.ua/sites/default/files/u184/wwf_a4_6_0.pdf .
June 2020 – May 2022	RESILPINE Project "Transformation of Forests to Close-to-Nature Forest Management in Ukraine: Nature-based silvicultural and fire management methods for increasing the resilience of pine stands to drought and wildfire".
Nov. 2016 – Oct. 2020	CoE / GFMC UA risk reduction project, GEF-UNEP project “Conserving, Enhancing and Managing Carbon Stocks and Biodiversity in the Chernobyl Exclusion Zone” https://nubip.edu.ua/sites/default/files/u184/report_chern_gef_baseline_inf_and_gap_analysis_fire_man_in_cherz.pdf .
Sept. 2016 – Aug. 2018	US Forest Service. Improvement US-Ukraine cooperative technology development and research related to mitigating wildfire impacts in the Chernobyl Exclusion Zone. https://nubip.edu.ua/sites/default/files/u184/usfs_ua_chernobyl_fire_report_fin_0.pdf .
Aug., 2017	US Forest Service. International Seminar on Disaster Management-2017.
Dec., 2017	OSCE. Local Expert on forest fire management in the project “Improving radiological and environmental awareness in territories affected by the Chernobyl accident in Belarus and Ukraine with a focus on wildfire management”. https://nubip.edu.ua/sites/default/files/u184/terminologiya_04_sep_2017.pdf . https://gfmcoonline/wp-content/uploads/BEL-RUS-Chernobyl-Fire-Management-Guidelines-OSCE-GFMC-2017.pdf .