

CURRICULUM VITAE

Personal Details

Prof. Dr. Sergiy Zibtsev (Forestry, Fire Sciences)
 Laureate of the GCI/UNEP/OCHA Green Star Award (2013)
 Fulbright Scholar, Yale University School of Forestry and Environmental Studies (2004-2005)

Affiliation:

National University of Life and Environmental Sciences of Ukraine,
 Institute of Forestry and Landscape-Park Management

(<https://nubip.edu.ua/en/node/9083>),

Head of Fire Science Lab,

Head of the Regional Eastern Europe Fire Monitoring Center

(REEFMC) (<https://nubip.edu.ua/node/9087>)

Address: Geroiv Oborony Str., 15, 03041, Kyiv, Ukraine

Phone: + 38 067 261 16 82

Fax: +38 044 527 82 82

E-mail: sergiy.zibtsev@nubip.edu.ua

Date of birth: 03.05.1961

Place of birth: Kyiv city, Ukraine



Education

1984	Diploma Engineer in Forestry, Faculty of Forestry, National University of Life and Environmental Sciences of Ukraine
1990	Ph.D. in Forest Ecology, Dnipropetrovsk State University, Ukraine
2013	Doctor of Sci. in Forestry (2013), Prof. Hab. (2018), Institute of Forestry and Landscape-Park Management of the National University of Life and Environmental Sciences of Ukraine

Professional Experience

2014-2022	<ul style="list-style-type: none"> • Member of Ukrainian Parliament (Verkhovna Rada) Working Group on prevention of wildfires (2020-2021); • Member on Working Group on Development of National Strategy on Landscape Fire Management of the Ministry of Environment Protection and Natural Resources of Ukraine (2020-2021); • National project manager EU HORIZON 2020: FirEUrisk - Developing a holistic, risk-wise strategy for European wildfire management". Project duration: four years (2021- 2024); • Project manager of the project of Ministry of Agriculture of Germany "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). (2020-2022); • Development of the Fire Management Plan and Decision-Support System for Prevention, Early Response and Radiologically Safe Suppression of Forest Fires in the Chernobyl Exclusion Zone, GEF UNEP project; • Scientific coordinator of UNEP GEF project "Conserving, Enhancing and Managing Carbon Stocks and Biodiversity while Promoting Sustainable Development in The Chernobyl Exclusion Zone through the Establishment of a Research and Environmental Protection Centre and Protected Area"; • WWF project "Impact of war of 2022 on forests, forestry and fire management"; • OSCE project "Monitoring of wildfires in zones of military conflict of war 2022 in Ukraine"; • EU CORINE pilot project in Ukraine of European Environmental Agency; • Project manager EU Eastern Partnership Belarus-Ukraine project "Creating Conditions for the Joint Management and Sustainable Use of Natural Wetlands" Transboundary Ramsar territory «Olmani-Perobrody»;
-----------	---

	<ul style="list-style-type: none"> • Local coordinator of the Council of Europe project “Enhancing the national interagency and international cross-boundary dialogue and inter-operability in fire management in Eastern Europe”; • Project manager of US Forest Service project “Capacity building of fire management in the Chernobyl Exclusion Zone” (2016-2018); • Project manager of UNEP EnvSec project of consequences of conflict in Eastern Ukraine on environmental security; • Project manager OSCE project “Fire management in contaminated by radionuclides terrains and in the territories of military conflict in Eastern Ukraine (2015-2020); • Scientific coordinator of UNEP GEF project “Conserving, Enhancing and Managing Carbon Stocks and Biodiversity while Promoting Sustainable Development in The Chernobyl Exclusion Zone through the Establishment of a Research and Environmental Protection Centre and Protected Area”; • Expert of the FAO TCP “Consolidation of forest policy in Ukraine”; • National project manager, project of the EU Black Sea Program “Utilizing stream waters in the suppression of forest fires with the help of new technologies”.
1989-2013	<p>Project manager of the project “Development of integrated fire management systems in the critical fire regions of Ukraine” (UNISDR, OSCE, CoE, GFMC) FP-7 project “Geoinformation technologies, spatio-temporal approaches, and full carbon account for improving accuracy of GHG inventories“ GESAPU Tempus project “Strategy of social-economic development for vicinity of the Chernobyl Exclusion Zone” Project manager of the EU FP-7 project “Biomass Energy Europe“ (BEE) Project manager of the World Bank project “Preparation and Design of the Ukraine Reforestation Biocarbon Fund Project” Fulbright Scholar and Visiting Professor, Yale University School of Forestry and Environmental Studies, Global Institute of Sustainable Forestry, New Haven, USA Associate Professor of the Department of Silviculture, Deputy Dean on International Relations, Institute of Forestry and Landscape-Park Management of the National University of Life and Environmental Sciences Senior Researcher, Laboratory of forest radioecology, Kyiv Forest Research Station. “Sustainable and environmentally safe forest and fire management of forests in the Chernobyl Exclusion zone” Junior Researcher. “Monitoring of Forest Health in Western Ukraine (UN ECE ICP Forests)”, Kyiv Forest Research Station</p>
Research Topics	
<p>Primary topics – integrated landscape fire management, land-use analysis for sustainable use of natural resources, fire resilient landscapes, fire management in zones of ecological crisis and in contaminated by UXO and radionuclides territories and protected areas, national fire policy, fire management plan development, fire prevention and suppression, trainings of fire personal, public campaigns on prevention of landscape fires, sustainable forest management.</p>	
Scientific Awards	
<p>2004 –Fulbright Scholar Award (Yale University); 2013 – GSI/UN OCHA/UNEP Green Star Award. 2015 – Honor Award of the Parliament of Ukraine “For Service for Ukrainian Nation”.</p>	
Selected Publications	
<p>ORCID 0000-0003-0684-9024 (total updated list: https://nubip.edu.ua/node/9083/6), https://scholar.google.com/citations?user=E2bkOPEAAAAJ&hl=ru https://www.researchgate.net/profile/Sergiy-Zibtsev/research</p>	
<p>Joanne V. Hall, Sergiy V. Zibtsev, Louis Giglio et al. Environmental and political implications of underestimated cropland burning in Ukraine. Environ. Res. Lett. 16 (2021) 064019. https://doi.org/10.1088/1748-9326/abfc04</p>	
<p>V. Myroniuk, S. Zibtsev, V. Bogomolov, O. Soshenskyi, V. Gumeniuk, R. Vasylyshyn. A web-based platform LANDSCAPE FIRES: regional-level fire management information system for Northern Ukraine. Geoinformatics 2021, 11-14 May 2021, Kyiv, Ukraine.</p>	

- George N. Zaimes, Petros A. Tsiaras, Chrysovalantis Kiosses, Mustafa Tufekcioglu, Sergiy Zibtsev, Ilya Trombitsky, Razvan Uratu, Luiza Gevorgyan. Perspectives on protected area and wildfire management in the Black Sea region. *J. For. Res.* (2020) 31(1):257–268
<https://doi.org/10.1007/s11676-018-0857-5>
- Alan A. Ager, Richard Lasko, Viktor Myroniuk, Sergiy Zibtsev, Michelle A. Day, Uladzimir Usenia, Vadym Bogomolov, Ivan Kovalets, Cody R. Evers [THE WILDFIRE PROBLEM IN AREAS CONTAMINATED BY THE CHERNOBYL DISASTER](#) (2019). *Science of the Total Environment* 696 (2019) 133954. <https://doi.org/10.1016/j.scitotenv.2019.133954> .
- Ioanne Hall, Sergiy Zibtsev, Victor Myroniuk, Sergii Skakun, Oleksandr Zhuravel, Louis J Giglio. Improved Cropland Burning Emissions Inventory in Ukraine: A Regional Case Study. 2019. AGU 2019 Fall meeting. URL:
<https://agu.confex.com/agu/fm19/webprogrampreliminary/Paper497665.html> .
- Lakyda P., Shvidenko A., Bilous A., Myroniuk V., Matsala M., Zibtsev S. et al. (2019). Impact of Disturbances on the Carbon Cycle of Forest Ecosystems in Ukrainian Polissya. *Forests*. DOI: 10.337. 10.3390/f10040337.
- N. Evangeliou, A. Kylling, S. Eckhardt, Zibtsev S. Open fires in Greenland: an unusual event and its impact on the albedo of the Greenland Ice Sheet. In: *Atmospheric Chemistry and Physics. Discussion Paper. Copernicus Publication*, 2018. <https://doi.org/10.5194/acp-2018-94>
<https://www.atmos-chem-phys-discuss.net/acp-2018-94/>
- Nikolaos Evangeliou, Thomas Hamburger, Nikolai Talerko, Sergey Zibtsev, Yuri Bondar, Andreas Stohl, Yves Balkanski, Timothy A. Mousseau, Anders P. Møller. Reconstructing the Chernobyl Nuclear Power Plant (CNPP) accident 30 years after. A unique database of air concentration and deposition measurements over Europe. *Environmental Pollution*. Available online 1 July 2016. <http://www.sciencedirect.com/science/article/pii/S0269749116304110>.
- N. Evangeliou, S., Myroniuk, M. Zhurba, T. Hamburger, A. Stohl, Y. Balkanski, R. Paugam, T. A. Mousseau, A. P. Møller & S. I. Kireev. Resuspension and atmospheric transport of radionuclides due to wildfires near the Chernobyl Nuclear Power Plant in 2015: An impact assessment. *Scientific Reports*, 2016. Vol. 6. Article number: 26062. Doi:10.1038/srep26062. URL:
<http://rdcu.be/i1GL>
- Mitsopoulos, I., Mallinis, G., Borsuk, A., Zaimes, G. An integrated approach for mapping fire suppression difficulty in three different ecosystems of Eastern Europe. *Journal of Spatial Science*, 2016. DOI: 10.1080/14498596.2016.1169952.
 URL:<http://dx.doi.org/10.1080/14498596.2016.1169952>
- Zibtsev S.V., Goldammer J.G., Robinson S. et al. Fires in nuclear forests: silent threats to the environment and human security. *Unasylva* 243, Vol. 65, 2015/2. – P. 39-50.
- Evangeliou, N., Balkanski, Y., Cozic, A., Hao, W.M., Mouillot, F., Thonicke, K., Paugam, R., Zibtsev, S., et al. 2015. Fire regime evolution in the radioactively contaminated forests of Ukraine and Belarus: risks foreseen for the European population and the environment from ¹³⁷Cs displacement. *Ecological Monographs*, 85(1), 49–72.
- Zaimes G.N, Mitsopoulos I., Zibtsev S., Saglam B., Mallinis G., Kucuk O., Borsuk A. Innovative techniques to suppress wildfires in the Black Sea Region. In *Sustaining Forests, Sustaining People: The Role of Research. XXIV IUFRO World Congress, 5-11 October 2014, Salt Lake City, USA. Abstracts, Salt lake City, USA. P. 168.*
- Zibtsev S., LaRoche D., Oliver C.D., Goldammer J.G. Managing the irradiated forest of the Chernobyl Exclusion Zone for nature conservation, fire protection, and biomass fuel production. In: *Sustaining Forests, Sustaining People: The Role of Research. XXIV IUFRO World Congress, 5-11 October 2014, Salt Lake City, USA. Abstracts, Salt lake City, USA. P. 186.*
- Lakyda P.I., Vasylyshyn R.D., Bilous A.M., Zibtsev S.V. Deposited Carbon in Ukrainian Forests: Current Stock and Midterm Forecast. In *Sustaining Forests, Sustaining People: The Role of Research. XXIV IUFRO World Congress, 5-11 October 2014, Salt Lake City, USA. Abstracts, Salt Lake City, USA. P. 412.*
- Lakyda P., Vasylyshyn R., Zibtsev S., Lakyda I., Böttcher H. Potentials of Forest Biomass for Energetic Use in Ukraine. In: "Earth bioresources and quality of life". –N 3. - 2013 – P. 1-16. (<http://gchera-ejournal.nubip.edu.ua/index.php/ebql/article/view/105/64>).
- Aaron Hohl, Andrew Niccolai, Chad Oliver, Dmytro Melnychuk, Sergiy Zibtsev, Johann Georg Goldammer, Volodymyr Gulidov. The Human Health Effects of Radioactive Smoke from a Catastrophic Wildfire in the Chernobyl Exclusion Zone: A Worst Case Scenario. In: "Earth

bioresources and quality of life". – Vol.1. – N 1. – P. 1-34. (<http://gchera-ejournal.nubip.edu.ua/index.php/ebgl/issue/current/showToc>).

Wei Min Hao, Oleg O. Bondarenko, Sergiy Zibtsev and Diane Hutton. Vegetation Fires, Smoke Emissions, and Dispersion of Radionuclides in the Chernobyl Exclusion Zone. In: Wildland Fires and Air Pollution, 2008. ISBN 978-0-08-055609-3 – P. 265-275.

Sviridenko V., Kirichok L., Zibtsev S., Kremenetska E., Tokareva O. Monitoring the structure and phytodiversity of a 160-year-old natural Scots pine forest in central Polissia, Ukraine: in Proceedings of the Conference "Natural Forests in the Temperate Zone of Europe - Values and Utilization", Mukachevo, October 13-17, 2003.

Graduate Advisory Experience

4 PhD students (3 graduated), 9 Master students (8 graduated); National University of Life and Environmental Sciences.