

**НАЦІОНАЛЬНИЙ УНІВЕРСИТЕТ
БІОРЕСУРСІВ І ПРИРОДОКОРИСТУВАННЯ УКРАЇНИ**

**НАВЧАЛЬНО-НАУКОВИЙ ІНСТИТУТ ЛІСОВОГО
І САДОВО-ПАРКОВОГО ГОСПОДАРСТВА**

ВП НУБІП УКРАЇНИ «БОЯРСЬКА ЛІСОВА ДОСЛІДНА СТАНЦІЯ»

ТОВАРИСТВО ЛІСІВНИКІВ УКРАЇНИ

**НАУКОВО-ДОСЛІДНИЙ ІНСТИТУТ ЛІСІВНИЦТВА ТА ДЕКОРАТИВНОГО
САДІВНИЦТВА**



ТЕЗИ ДОПОВІДЕЙ

УЧАСНИКІВ

**МІЖНАРОДНОЇ НАУКОВО-ПРАКТИЧНОЇ КОНФЕРЕНЦІЇ
«ПЕРСПЕКТИВИ РОЗВИТКУ ЕКОСИСТЕМНОГО МЕНЕДЖМЕНТУ
У ЛІСОВОМУ КОМПЛЕКСІ ТА САДОВО-ПАРКОВОМУ
ГОСПОДАРСТВІ»
(18-19 квітня 2019 року)**

КИЇВ – 2019

**INTERNATIONAL CO-OPERATION TOWARDS
DEVELOPMENT OF SAFE INTEGRATED FIRE MANAGEMENT
IN THE CHORNOBYL EXCLUSION ZONE**

*S. Zibtsev*¹, *Dr. of Sci.* (Sergiy.zibtsev@nubip.edu.ua),
*V. Myroniuk*¹, *Ph. D.* (victor.myroniuk@nubip.edu.ua),
*O. Soshenskiï*¹, *Ph. D.* (soshenskyi@nubip.edu.ua),
*V. Gumeniuk*¹, *Ph. D.* (vasyl.gumeniuk@gmail.com),
*V. Koren*¹, *researcher* (volodymyrkoren@gmail.com),
*V. Usenia*², *Dr. of Sci.* (usenyaforinst@gmail.com)

*J. Georg Goldammer*³, *Prof. mult. Dr.*

(johann.goldammer@fire.uni-freiburg.de),

*C. Dearing Oliver*⁴, *Pinchot Professor* (chad.oliver@yale.edu),

¹*National University of Life and Environmental Sciences of Ukraine*

²*Republic Belarus, Institute of Forest, Gomel*

³*Global Fire Monitoring Center (GFMC), Freiburg, Germany,*

⁴*Yale University School of Forestry and Environmental Studies, New Haven, USA*

Three major wildfires in the Chernobyl Exclusion Zone (CEZ) (2015) burnt 25,000 ha and determined needs for wide international assistance. Within the USFS project (2016-2018), area of reliable detection of fires in CEZ increased from 136,000 to 190,000 ha. Local firefighters were equipped with fire clothing and breathing-protection means and trained on safe and effective incident management. A risk assessed to help manage the long-term effect of re-suspended radionuclides from wildfires. Spatial dataset was created (fuel loads, contamination, suppression) to develop anintegrated fire management strategy. Within the OSCE project, attention was paid to preparedness of Belorussian and Ukrainian fire services for management of trans-border fires (TBF). Guideline for fire suppression and Belarussian-Ukrainian-English fire terminology were developed for improving coordinated response to TBF, as well as software for predicting doses to firefighters and analysis of legislation of two countries. A table-top exercise for fire command staff was organized by the OSCE, the Global Fire Monitoring Center (GFMC) and the Ukraine-based Regional Eastern Europe Fire Monitoring Center (REEFMC) aimed at strengths of interoperability in addressing radioactive fires.