

CLIMATE SERVICES: SCIENCE AND EDUCATION

SECOND INTERNATIONAL RESEARCH-TO-PRACTICE CONFERENCE

Programme



APRIL 16–18, 2025

ODESA, UKRAINE

160th Anniversary of Odesa I. I. Mechnikov National University



cs2025.onu.edu.ua



CLUVEX
CLIMATE UNIVERSITY FOR VIRTUAL EXCHANGES



SUNRISE



GROMADA

Co-funded by the
Erasmus+ Programme
of the European Union



LOCATION AND CONFERENCE ADDRESS

The International Research-to-Practice Conference ‘Climate Services: Science and Education’ are held jointly in Odesa, Ukraine, from 16 – 18 April 2025. The congress is open to all interested in its themes and topics.

The conference takes place on the premises of Odesa I.I. Mechnikov National University.

Conference Centre

Odesa I.I. Mechnikov National University
Faculty of Hydrometeorology and Environmental Science
15 Lvivska Str.
Odessa, 65016
Ukraine

<https://onu.edu.ua/uk/structure/faculty/fges>

Rules of Conduct

- Smoking is prohibited in the ONU buildings.
- It is prohibited to copy any presentation from the desktops in the lecture rooms.
- Please switch off any mobile phones during the sessions.
- Please note that video-graphic recordings are not allowed.

Official Languages

The official languages of the International Conference ‘Climate Services: Science and Education’ is English and Ukrainian. Simultaneous interpretation is not provided.

Attending the live sessions

Live sessions will take place in ZOOM. The link to access the live sessions will be sent to your email address.

LOCAL TRANSPORTATION INFORMATION

Routs to the main building of Faculty of Hydrometeorology and Environmental Science of Odesa I.I. Mechnikov National University:

- Route bus No. 185 (Lvivska) to the "Hydromet" stop;
- Tram No. 18 to the "13th Station of Big Fountain" stop;
- Trams No. 3, 26 and route buses No. 146, No. 150 to the "7th Station of Lustdorf Road" stop;
- Route buses No. 191, No. 127 to the "Dovha St." stop.

To clarify your route, you can use the sites “Платформа цифрових сервісів “MISTO” and EasyWay Public Transport.

It is easy for you to get a ticket: tickets may be purchased from the driver of mini-bus, tram or trolleybus. Ticket purchased are valid for one trip.

REGISTRATION & INFORMATION DESK

The registration & information desk is located near the main entrance.

Registration is obligatory for all of them at the registration desk.

Opening Hours

Wednesday – Thursday, 16 – 17 April 2025

08:00–18:00

Friday, 18 April 2025

08:00–18:00

CONTENTS

SESSION PROGRAMME OVERVIEW.....	4
INTERNATIONAL ORGANISING COMMITTEE.....	5
LOCAL ORGANISING COMMITTEE AT OSENU	6
PLENARY SESSION PROGRAMME WEDNESDAY.....	7
ORAL CONFERENCE PROGRAMME THURSDAY.....	8
Issues of Climate Services in Climate-Sensitive Economic Sectors.....	8
Education in Climate Services.....	11
Climate Risks and Adaptation to Climate Change on Regional and Local Levels.....	11
POSTER CONFERENCE PROGRAMME THURSDAY.....	13
Issues of Climate Services in Climate-Sensitive Economic Sectors.....	13
Education in Climate Services.....	14
Climate Risks and Adaptation to Climate Change on Regional and Local Levels.....	14
SPECIAL EVENTS.....	16
A Round-table discussion ‘Fostering Climate Change Awareness and Cultivating Green Skills Among Youth for a Sustainable Future’ will be held in the framework of Erasmus+ Project 101111959 – CLUVEX.....	16
A Round-Table Discussion ‘Bridging the Gap between Provision Climate Services and Needs of Climate-Dependent Sectors’ in the Framework of Erasmus+ Project 619285-EPP-1-2020-1-FI-EPPKA2-CBHE-JP - ClimEd.....	17
A Round-table discussion ‘Development of the INTENSE Doctoral School: Experience, Challenges, and Perspectives in Ukraine within the SUNRISE Project’ will be held in the framework of Erasmus+ Project 2024-1-IT02-KA220-HED-000256685 – SUNRISE.....	18
Living Lab Approach for Real-World Impact in Urban Areas.....	19
Author Index.....	20

SESSION PROGRAMME OVERVIEW

WEDNESDAY, 16 APRIL 2025		
EEST	Room 213, Building #2	
09:00 – 12:00	PLENARY SESSION	
12:00 – 13:00	Lunch Break	
13:00 – 15:00	Room 205, Building #2	
15:00 – 15:30	A Round-table discussion ‘Fostering Climate Change Awareness and Cultivating Green Skills Among Youth for a Sustainable Future’	
15:30 – 17:30	Coffee Break	
	Room 205, Building #2	
	A Round-table discussion ‘Bridging the gap between provision climate services and needs of climate-dependent sectors’	
THURSDAY, 17 APRIL 2025		
EEST	Room 205, Building #2	
9:00 – 10:30	A Round-table discussion ‘Development of the INTENSE Doctoral School: Experience, Challenges, and Perspectives in Ukraine’	
10:30 – 11:00	Coffee Break	
11:00 – 12:30	Living Labs Training	
12:30 – 13:30	Lunch Break	
	Room 205, Building #2	Room 412, Building #1
13:30 – 15:00	ICS ¹	CRA ³
15:00 – 15:30		Coffee Break
15:30 – 17:00	ICS	POSTER SESSION
		CRA
FRIDAY, 18 APRIL 2025		
EEST	Room 205, Building #2	Second floor, Building #2
09:00 – 10:30	ICS	
10:30 – 11:00	Coffee Break	
11:00 – 12:30	ICS	
12:30 – 13:30	Lunch Break	
13:30 – 14:00	ICS	
15:00 – 15:30	Coffee Break	
15:30 – 17:00	POSTER SESSION	

¹ ICS – Issues of Climate Services in Climate-Sensitive Economic Sectors

² ECS - Education in Climate Services

³ CRA – Climate Risks and Adaptation to Climate Change on Regional and Local Levels

INTERNATIONAL ORGANISING COMMITTEE

Enric Aguilar	Rovira i Virgili University, Spain
Hanna Lappalainen	University of Helsinki, Finland
Svyatoslav Tyuryakov	University of Helsinki, Finland
Alexander Baklanov	formerly with the World Meteorological Organization; currently a professor at the University of Copenhagen, Denmark
Patrick Parrish	formerly with the World Meteorological Organization; currently a Chair of the Expert Team on Competency and Capacity Development for SERCOM, Standing Committee on Marine Meteorological and Oceanographic Services (SC-MMO), Geneva, Switzerland
Francis Albert Daniel Dide	ASECNA Representation in Republic of Benin, Benin
Kalev Sepp	Estonian Life Science University, Estonia
Anton Shkaruba	Estonian Life Science University, Estonia
Svitlana Krakovska	Ukrainian Hydrometeorological Institute of the SES of Ukraine and NAS of Ukraine, Ukraine
Vyacheslav Truba	Odesa I.I. Mechnikov National University, Ukraine
Sergiy Snizhko	Taras Shevchenko National University of Kyiv, Ukraine
Jon Xavier Olano Pozo	Rovira i Virgili University, Spain
Tetiana Adamenko	Ukrainian Hydrometeorological Center of State Emergency Service of Ukraine, Ukraine
Raisa Vozhehova	Institute of Climate-Smart Agriculture of the National Academy of Agrarian Sciences of Ukraine

LOCAL ORGANISING COMMITTEE AT ONU

Vyacheslav Truba	Chair, Rector, Professor
Mykola Serbov	Vice-Chair, Dean of Faculty of Hydrometeorology and Environmental Sciences, Professor
Valeriya Ovcharuk	Vice-Chair, Head of Department of Land Hydrology, Professor
Inna Khomenko	Secretary, Associate Professor of Department of Meteorology and Climatology
Mykola Berlinskyi	Head of Department of Oceanography and Marine Nature Management, Professor
Yurii Hrinchenko	Head of Office for International Relations
Nataliia Loboda	Professor of Department of Land Hydrology
Oleh Prokofiev	Head of Department of Meteorology and Climatology, Associate Professor
Alina Semerhei-Chumachenko	Associate Professor of Department of Meteorology and Climatology
Andrii Smitiukh	Vice-Rector in Teaching, Research and International Cooperation, Professor
Oksana Volvach	Head of Department of Agrometeorology and Agroecology, Associate Professor

CONFERENCE LOC SUPPORT TEAM


Volodymyr Andrusenko	Head of Research Laboratory of Department of Military Training
Liliia Kushchenko	Vice-dean of Faculty of Hydrometeorology and Environmental Science
Olena Tymko-Koriagina	Engineer of Department of Land Hydrology
Alla Tolmachova	Associate Professor of Department of Agrometeorology and agroecology
Darii Verbitskii	Engineer of Department of Meteorology and Climatology

**WEDNESDAY
16 APRIL 2025**

PLENARY SESSION

Room 213, Building #2

 [Click here to join Zoom session](#)

 Meeting ID: 856 8392 9706

 Passcode: 291269

Chairpersons: *Valeriya Ovcharuk*, Odesa I.I. Mechnikov National University

**9:00-9:30
EEST**

Conference Welcome

*Vyacheslav Truba, Andrii Smityukh, Raisa Vozhehova,
Mykola Serbov, Valeriya Ovcharuk*

**9:30-10:00
EEST
online**

**Integrated Urban Services: Towards climate-smart,
resilient, and sustainable cities and settlements**

Alexander Baklanov

alexander.baklanov@nbi.ku.dk

**10:00-10:30
EEST
online**

Global and National Framework for Climate Services

Wilfran Moufouma-Okia

wmokia@wmo.int

**10:30-11:00
EEST
online**

**Applying Activity Theory to Education and Training for
Climate Services**

Patrick Parrish

pparrish.alt@gmail.com

**11:00-11:30
EEST
online**

**Pan-Eurasian Experiment (PEEX) program insight and
new directions**

Hanna K. Lappalainen

hanna.k.lappalainen@helsinki.fi

**11:30-12:00
EEST
online**

**Overview of Co-Creation of Climate Services at the Centre
for Climate Change and Research Institute on
Sustainability, Climate Change, and Energy Transition of**

Jon Xavier Olano Pozo, Enric Aguilar Anfrons

Anna Boqué Ciurana, Caterina Cimolai

jonxavier.olano@urv.cat

ORAL PRESENTATION


Issues of Climate Services in Climate-Sensitive Economic Sectors


Thursday, 17 April 2025

Lecture room: 302, Building #1

13:30–15:00 EEST

Chairpersons: prof. Sergiy Stepanenko, prof. Nataliia Loboda

 [Click here to join Zoom session](#)

 Meeting ID: 811 3808 5736

 Passcode: 165846

13:30–13:45

Elaboration of the Atlas “Climate and Water Resources of Ukraine”

Oreshchenko Andrii

*Ukrainian Hydrometeorological Institute of the SES of Ukraine and NAS of Ukraine
Kyiv, Ukraine*

inventlib@gmail.com

13:45–14:00: online

Challenges in Accurate Air Quality Research, Management, and Assessment in Ukraine

Savenets Mykhailo, Lyudmila Nadtochii, Tetiana Kozlenko, Kateryna Komisar, Antonina Umanets, Natalia Zhemera

*Ukrainian Hydrometeorological Institute of the SES of Ukraine and NAS of Ukraine
Kyiv, Ukraine*

savenets@uhmi.org.ua

14:00–14:15

Changes in Climate and River Water Content in the Upper Dniester Basin at The Beginning of the 21st Century

Loboda Nataliia, Mykyta Rozvod

*Odesa National I.I. Mechnikov University
Odesa, Ukraine*

natalie.loboda@gmail.com

14:15–14:30

PVC Recycling Technologies as Part of the European Sustainability Concept

Kozhevnikov Sergii, Yulia Berezhnytska
Gealan Ukraine

Kyiv, Ukraine

slondie7@gmail.com

14:30–14:45

Risks of Water Resources Depletion in Southern Ukraine and Their Consequences According to Climate Scenarios

Loboda Nataliia, Nataliia Otchenash, Mykyta Rozvod

*Odesa National I.I. Mechnikov University
Odesa, Ukraine*

natalie.loboda@gmail.com

14:45–15:00

Overview of the Urban Solutions to Climate Change

Stepanenko Sergiy

*Institute of Market and Economic&Ecological Researches of the National Academy of Sciences of Ukraine
Odesa, Ukraine*

s.n.stepanenko@ukr.net

15:00–15:30 EEST COFFEE BREAK

Lecture room: 302, Building #1

15:30–17:00 EEST

Chairpersons: prof. Sergiy Stepanenko, prof. Nataliia Loboda

15:30–15:45

A Web-Based System for Enhancing Agrometeorological Decision-Making in the Face of Climate Change

Kryvoshein, Oleksandr, Oleksii Kryvobok

*Ukrainian Hydrometeorological Institute of the SES of Ukraine and NAS of Ukraine
Kyiv, Ukraine*

krivoshein@uhmi.org.ua

15:45–16:00: online

Intrinsic Multi-scale Characteristics of Rainfall variability in Nzérékoré, Southeastern Guinea, West Africa

Agbazo Noukpo Médard, Lonsenigbe Camara, Lancei Koivogui

Université de Nzérékoré

Nzérékoré, Guinea

agbmednou@gmail.com

16:00–16:15: online

Organic Production as a Strategy for Climate Change Adaptation

Karpuk Lesia, Liudmyla Ezerkovska, Andrii Pavlichenko, Vitalina Karaulna, Larysa Filipova, Oksana Titarenko, Artur Ezerkovskyi, Nataliia Zaika

Bila Tserkva National Agrarian University

Bila Tserkva, Ukraine

lesya.karpuk@ukr.net

16:15–16:30

Yield of Cereal Crops in Ukraine and Problems of Market Development

Reshetchenko Svitlana, Tetiana Tkachenko

V. N. Karazin Kharkiv National University

Kharkiv, Ukraine

s.reshetchenko@karazin.ua

Friday, 18 April 2025

Lecture room: 302, Building #1

9:00–12:30 EEST

Chairpersons: prof. Sergiy Snizhko, prof. Nataliia Loboda

9:00–9:15: online

Financial and Economic Measures to Improve Climate Services in Flood Management in Ukraine

Snizhko Sergiy, Olga Shevchenko, Volodymyr Pavlovskyi

Taras Shevchenko National University of Kyiv

Kyiv, Ukraine

snizhkosi@gmail.com

9:15–9:30

Climatic Factors as a Driver of Allergic Diseases Spread

Borshch Diana, Anton Shanyhin

Odesa National Medical University

Odesa, Ukraine

diana070905b@gmail.com

9:30–9:45

Impact of Seasonal Fluctuations in Vitamin D Levels on the Health of the Population of Southern Regions of Ukraine as a Factor of Climate Risks

Shahynin Anton, Volodymyr Babienko, Kostyantyn Talalayev

Odesa National Medical University

Odesa, Ukraine

anton.shanyhin@onmedu.edu.ua

9:45–10:00: online

Influence of Air Temperature on Physiological Indicators of Goats

Vakula Bohdan, Tetiana Dyman, Ruslana Stavetska

Bila Tserkva National Agrarian University

Bila Tserkva, Ukraine

vakulab@ukr.net

10:00–10:15: online

Formation of the Hydrological Cycle in Urban Areas and Vulnerability of Water Supply Systems Under the Influence of Climate Change

Diadin Dmytro, Valeriy Yakovlev, Olena Drozd, Yuriy Vergeles

O.M. Beketov National University of Urban Economy in Kharkiv

Kharkiv, Ukraine

dmytro.diadin@kname.edu.ua

10:15–10:30: online

Have Winters Warmed Up In Eastern Ukraine?

Vergeles Yuriy, Inna Rybalka

O.M. Beketov National University of Urban Economy in Kharkiv

Kharkiv, Ukraine

Yuri.Vergeles@hotmail.com

10:30–11:00 EEST COFFEE BREAK
Lecture room: 302, Building #1
9:00–12:30 EEST
Chairpersons: prof. Sergiy Snizhko, prof. Nataliia Loboda

11:00–11:15

Greenhouse Gas Emissions from the Winter Wheat Agroecosystem in Climate Change Conditions

Barsukova Olena, Anatoliy Polevoy
Odesa I.I. Mechnikov National University
Odesa, Ukraine
lena5933@urk.net

11:15–11:30

Climate Change in Transcarpathia: Impact, Challenges, and Adaptation

Kuklyshyn Oksana
Odesa I.I. Mechnikov National University
Odesa, Ukraine
kseniyakuk123@gmail.com

11:30–11:45: online

Low-Carbon Solutions for Key Sectors of the Ukrainian Economy: Climate Change Mitigation Strategies

Kovalenko Yurii, Olena Drozd, Olga Khandogina
O.M. Beketov National University of Urban Economy in Kharkiv
Kharkiv, Ukraine
yurii.kovalenko@kname.edu.ua

11:45–12:00: online

Using Triticale in Animal Feeding as a Means of Adapting Livestock Farming to Global Climate Changes

Tytariova Olena
Bila Tserkva National Agrarian University
Bila Tserkva, Ukraine
olenakosvanenko@gmail.com

12:00–12:15: online

The Past Key International Projects for the Study of Weather and Climate over West and Central Africa

Dide Francis
ASECNA Representation in Benin Republic
Cotonou, Benin Republic
fsisdide@gmail.com

12:15–12:30: online

Decadal Trends in Municipal Waste Generation in Ukraine

Perebynos Alona
Kyiv National University of Construction and Architecture
Kyiv, Ukraine
perebynos.ar@knuba.edu.ua

12:15–12:30: online

The Impact of Climate Factors on the Energy Sector

Vronska Nataliya, Oksana Liuta, Olena Popovych, Vira Sliusar
Lviv Polytechnic National University
Lviv, Ukraine
nataliya.v.vronska@lpnu.ua

12:30–13:30 EEST LUNCH

Lecture room: 302, Building #1

9:00–12:30 EEST

**Chairpersons: prof. Sergiy Snizhko,
prof. Nataliia Loboda**

13:30–13:45: online

Regional Features of Structural and Functional Changes of Aquatic Ecosystems

Prokopenko Ihor, Pavlo Starzhynskiy
Kyiv National University of Construction and Architecture
Kyiv, Ukraine
prockopencko.2017@gmail.com

13:45–14:00: online

Simulation of Rain Floods of The Stryi River Using Artificial Neural Network

Khrystiuk Borys, Liudmyla Gorbachova
Ukrainian Hydrometeorological Institute of the SES of Ukraine and NAS of Ukraine
Kyiv, Ukraine
khryst@uhmi.org.ua

14:00–14:15




WEB SERVICE “CLIMATE & WATER”: HOW TO DEVELOP CLIMATE SERVICE FOR WATER MANAGERS

Osypov Valeriy, Nataliia Nikitenko, Yevhenii Matviienko, Yurii Ahafonov, Herman Mossur, Andrii Bonchkovskiy, Victor Nikoriak, Nataliia Osadcha
Ukrainian Hydrometeorological Institute of the SES of Ukraine and NAS of Ukraine
Kyiv, Ukraine
valery.osypov@gmail.com

END OF ORAL PROGRAMME ISSUES OF CLIMATE SERVICES IN CLIMATE-SENSITIVE ECONOMIC SECTORS

Oral Presentations

Education in Climate Services
Thursday, 17 April 2025
Lecture room: 205, Building #2
13:30–15:00 EEST
Chairperson: assoc. prof. Inna Khomenko, assoc. prof. Oleh Prokofiev




 Click here to join Zoom session
 Meeting ID: 868 7758 8855
 Passcode: 173169

13:30–13:45: online
Awareness of Green Building as a Component of Climate Change Kravchenko Maryna , Tetiana Tkachenko, Olena Voloshkina, Lesya Vasylenko <i>Kyiv National University of Construction and Architecture</i> <i>Kyiv, Ukraine</i> kravchenko.mv@knuba.edu.ua
13:45–14:00
Citizen-Science Student Project Under Gromada Erasmus+: Monitoring Air Quality in Urban Areas Khomenko Inna , Oleh Prokofiev, Volodymyr Andrusenko, Anastasiia Moka, Tetiana Chorna, Zlata Bratova <i>Odesa I.I. Mechnikov National University</i> <i>Odesa, Ukraine</i> innchom.ik@gmail.com
14:00–14:15
Training Course for Masters "Data and Information for Climate Services" Semerhei-Chumachenko Alina , Halych Yelyzaveta, Prokofiev Oleh <i>Odesa I.I. Mechnikov National University</i> <i>Odesa, Ukraine</i> asemergev2016@gmail.com

14:15–14:30
The Relevance of Teaching the Discipline 'Climate-Forming Ability of Plants In Urban Landscapes' for Applicants for Speciality 206 'Garden and Park Management' Vashchuk Yulia, Olena Oleshko <i>Bila Tserkva National Agrarian University</i> <i>Bila Tserkva, Ukraine</i> yuliana-st@ukr.net

END OF ORAL PROGRAMME EDUCATION IN CLIMATE SERVICES

Climate Risks and Adaptation to Climate Change on Regional and Local Levels
Thursday, 17 April 2025
Lecture room: 412, Building #1
13:30–15:00 EEST
Chairperson: prof. Valeriya Ovcharuk, prof. Vasyl Grebin

 Click here to join Zoom session
 Meeting ID: 856 1207 2911
 Passcode: 567311

13:30–13:45: online
Lightning Detection System as a Tool for Short-Term Forecasting of Natural Disasters Zabolotna Olena , Oleksandr Kryvoshein, Oleksii Kryvobok <i>Ukrainian Hydrometeorological Institute of the SES of Ukraine and NAS of Ukraine</i> <i>Kyiv, Ukraine</i> zabolotnaolena@ukr.net
13:45–14:00
Climate Change and Forecasts in Ukraine and Methodological Aspects of Educational Process Vladyslav Tymofeyev <i>Ukrainian Hydrometeorological Institute of the SES of Ukraine and NAS of Ukraine</i> <i>Kyiv, Ukraine</i> tvvladys@gmail.com

14:00–14:15

The Impact of Climate Change on the Hydrological Regime of Rivers in the Ukrainian Polissia

Shakirzanova Zhannetta, Denys Sivaiev
Odesa I.I. Mechnikov National University
Odesa, Ukraine

sivaevxxx1d@gmail.com

14:15–14:30

Regional Peculiarities of the Dniester River Runoff Changes under Climate Change Conditions

Grebin Vasyl, Vira Balabukh, Maryna Goptsiy, Gherman Bejenaru
Taras Shevchenko National University of Kyiv
Kyiv, Ukraine

grebin1964@gmail.com

14:30–14:45

Analysis of Water Discharge in The Mouths of Large Ukrainian Rivers Flowing into the Black Sea under Climate Change

Ovcharuk Valeriya
Odessa National I.I. Mechnikov University
Odessa, Ukraine

valeriya.ovcharuk@gmail.com

14:45–15:00

Reviewing Climate Scenarios as Analytical Projects in the Context of IPCC Assessment Reports

Zadorozhna Ruslana
Bila Tserkva National Agrarian University
Bila Tserkva, Ukraine

ruslana.zadorozhna@gmail.com

15:00–15:30 COFFEE BREAK

Lecture room: 412, Building #1

15:30–17:00 EEST

Chairperson: prof. Valeriya Ovcharuk, prof. Vasyl Grebin

15:30–15:45

The Impact of Global Warming on Hurricane Activity in the North Atlantic Ocean

Shepel Victoriya, Alina Semerhei-Chumachenko
Odesa I.I. Mechnikov National University
Odesa, Ukraine

victoriya.shepel@gmail.com

15:45–16:00

Climate Risk Projections and Adaptation Strategies in Ukraine

Rusyn Iryna
Lviv Polytechnic National University
Lviv, Ukraine

iryna.b.rusyn@lpnu.ua

16:00–16:15

COAL CREDITS AS A INSTRUMENT OF SUSTAINABLE DEVELOPMENT

Dokus Anhelina
State Organization "Institute of Market and Economic&Ecological Researches of the National Academy of Sciences of Ukraine"
angel.dokus@gmail.com

16:30–16:45

Mitigating climate change through green structures

Tetiana Tkachenko
Kyiv National University of Construction and Architecture
Kyiv, Ukraine
tkachenkoknuba@gmail.com

END OF ORAL PROGRAMME CLIMATE RISKS AND ADAPTATION TO CLIMATE CHANGE ON REGIONAL AND LOCAL LEVELS

POSTER PRESENTATIONS

Issues of Climate Services in Climate-Sensitive Economic Sectors

Wednesday-Friday, 16-18 April 2024

Poster Area: Second floor, Building #2

Attendance time: 09:00–17:00 EEST

**Chairperson: prof. Sergiy Stepanenko,
prof. Nataliia Loboda**

P1-1

Assessment of Climate Risk of Sunflower Seed Yield Loss in Ukraine for 2021–2050
Zhygailo Olena, Taras Zhygailo, Demian Zhyhailo

*Odesa I.I. Mechnikov National University
Odesa, Ukraine*

elenajigaylo@gmail.com

P1-2

Assessment of the Bioclimatic Potential of the Dnipropetrovsk Region in the Conditions Climate Change

Nataliia Kyrnasivska

*Odesa I.I. Mechnikov National University
Odesa, Ukraine*

nkirnasivska@gmail.com

P1-3

Assessment of the Chemical Pollution Risks of Rivers in the Northwestern Black Sea Region

Loboda Nataliia, Antonina Kuza

*Odesa I.I. Mechnikov National University
Odesa, Ukraine*

natalie.loboda@gmail.com

P1-4

Trends in Raspberry Breeding due to Climate Change

Dyman Nataliya

*Bila Tserkva National Agrarian University
Bila Tserkva, Ukraine*

nathalie.dyman@gmail.com

P1-5: online

Assessment of the Application of Plant Growth Regulators in Maize Cultivation for Grain Under Different Climatic Scenarios

Grabovskyi Mykola, Pavel Basyuk, Valeriy Zhelezniak, Oleksandr Mandrysh, Igor Labunskyi

*Bila Tserkva National Agrarian University
Bila Tserkva, Ukraine*

nikgr1977@gmail.com

P1-6

Assessment of the Current State of Some Tributaries of the Southern Bug River by Hydrochemical Indicators

Yarov Yaroslav, Tetyana Gerashchenkova, Viktor Pilipyuk

*Odesa I.I. Mechnikov National University
Odesa, Ukraine*

slavikyarov82@gmail.com

P1-7: online

Bridging the Communication Gap in Agrometeorological Services: Enhancing the Uptake and effectiveness for Users in Developing Countries

Tarchiani Vieri, Sebastian Grey

Istituto per la BioEconomia – Consiglio Nazionale delle Ricerche, Italy

vieri.tarchiani@ibe.cnr.it

P1-8

The Relevance of Teaching the Discipline ‘Climate-Forming Ability of Plants In Urban Landscapes’ for Applicants For Speciality 206 ‘Garden and Park Management’

Nedostrelova Larysa

*Odesa I.I. Mechnikov National University
Odesa, Ukraine*

nedostrelova@ukr.net

**END OF POSTER PROGRAMME CLIMATE
RISKS AND ADAPTATION TO CLIMATE
CHANGE ON REGIONAL AND LOCAL
LEVELS**

Education in Climate Services
Wednesday-Friday, 16-18 April 2024
Poster Area: Second floor, Building #2
Attendance time: 09:00–17:00 EEST
Chairperson: assoc. prof. Inna Khomenko, assoc. prof. Oleh Prokofiev

P2-1

Citizen-Science Student Project Under Gromada Erasmus+: Assessing the Hydrological and Satellite Data on Black Sea Coastal Waters after Kakhovka Dam Destruction

Ovcharuk Valeriya, Maksym Martyniuk, Yurii Pisiariev, Andriy Stetsyuk, Alina Tashku, Anastasiia Stryberko
*Odesa I.I. Mechnikov National University
Odesa, Ukraine*

valeriya.ovcharuk@gmail.com

P2-2

Climate Products (Climatic and Socio-Economic Indicators for Climate Services)
Nedostrelova Larysa, Halyna Katerusha, Halyna Borovska, Inna Khomenko
*Odesa I.I. Mechnikov National University
Odesa, Ukraine*

nedostrelova@ukr.net

P2-3

Prospects For the Development of Higher Education in Geodesy and Land Management in Ukraine in the Interests of Climate Service and Post-War Restoration of Ukraine

Serbov Mykola, Nataliia Danilova
*Odesa I.I. Mechnikov National University
Odesa, Ukraine*

serbovng@gmail.com

P2-4

International Agreements and National Legislation in the Field of Climate Change
Prokofiev Oleh, Larysa Nedostrelova, Oksana Volvach

*Odesa I.I. Mechnikov National University
Odesa, Ukraine*

leggg0707@gmail.com

P2-5: online

The Relevance of Teaching the Discipline ‘Climate-Forming Ability of Plants In Urban Landscapes’ for Applicants for Speciality 206 ‘Garden and Park Management’

Vasiutynska Kateryna, Eleonora Zabarna, Oleh Shablui, Kateryna Husieva
*Odesa Polytechnic National University
Odesa, Ukraine*

husieva.k.d@op.edu.ua

P2-6: online

Climate Services in City Management: Green City Technology, Air Pollution & Ventilation Data Analysis, Artificial Intellect, Management Solutions

Glushkov Alexander, Olga Khetselius, Mykhailo Lobachev, Kateryna Husieva
*Odesa Polytechnic National University
Odesa, Ukraine*

husieva.k.d@op.edu.ua

**END OF POSTER PROGRAMME EDUCATION
IN CLIMATE SERVICES**

**Climate Risks and Adaptation to
Climate Change on Regional and Local
Levels**

Wednesday-Friday, 16-18 April 2024

Poster Area: Second floor, Building #2

Attendance time: 09:00–17:00 EEST

Chairperson: Valeriya Ovcharuk

P3-1

Climate Challenges under Martial Law in Ukraine

Nazhmudinova Olena
*Odesa Polytechnic National University
Odesa, Ukraine*

e.n.odessa@ukr.net

P3-2

Temperature Regime of the South of Ukraine in the Conditions of Climate Change

Kuryshyna Viktoriia
*Odesa I.I. Mechnikov National University
Odesa, Ukraine*

kuryshyna.88@gmail.com

P3-3 online

Climate Bulletin of Ukraine

Balabuhk Vira, Hanna Dovhal, Stepan Yahodynets

Ukrainian Hydrometeorological Institute of the SES of Ukraine and NAS of Ukraine Kyiv, Ukraine

balabukh_vira@ukr.net

P3-4 online

Municipal Solid Waste Management in The Context of Sustainable Climate Policy

Veronika Prykhodko

Odesa I.I. Mechnikov National University Odesa, Ukraine

vks26@ua.fm

P3-5 online

Contemporary Trends in Soil Temperature Changes, Their Consequences and Adaptation of the Territory

Budnik Svitlana

Boris Sreznnevskiy Central Geophysical Observatory Kyiv, Ukraine

svetlana_budnik@ukr.net

P3-6 online

Spatiotemporal Variability of Monthly Runoff at Rivers of the Tisza Sub-Basin under Climate Change

Goptsiy Maryna, Valeriya Ovcharuk, Yurii Pozdnyakov

Taras Shevchenko National University of Kyiv Kyiv, Ukraine

maryna.goptsiy@gmail.com

P3-7

Changes in Agrometeorological Conditions of the Autumn Period in the South of Ukraine

Zaiets Serhii, Oksana Volvach, Serhii Yuzyuk, Yurii Kiriya

Institute of Climate-Smart Agriculture of the National Academy of Agrarian Sciences of Ukraine

szaiets58@gmail.com

P3-8

Climate Changes as a Call for Water Supply of Southern Ukraine

Babienko Vitalii, Andrii Mokienko, Anton Shanigin

Odesa National Medical University Odesa, Ukraine

v.babienko@ukr.net

P3-9

Climate Services for Sustainable Water Quality Management in The Black Sea Basin

Kichuk Natalia, Liliia Kushchenko

Odesa National I.I. Mechnikov University Odesa, Ukraine

liliakushchenko@gmail.com

P3-10

Flood Risks in the Ukrainian Carpathians: the Role of Insurance and Climate Services

Ovcharuk Valeriya, Mykhailo Kovalenko

Odesa National I.I. Mechnikov University Odesa, Ukraine

valeriya.ovcharuk@gmail.com

P3-11

Generating and Controlling Heat Waves in Ukraine

Khomenko Inna, Nadiia Prykhodko

Odesa National I.I. Mechnikov University Odesa, Ukraine

innchom.ik@gmail.com

P3-12

The Prevailing Wind Direction at the Odesa-Observatory Station and its Dynamics in the Context of Modern Climate Change

Prokofiev Oleh, Liudmyla Goncharova, Vadim Chernyshov

Odesa National I.I. Mechnikov University Odesa, Ukraine

leggg0707@gmail.com

P3-13

Statistical Characteristics of Surface Wind Speed at Odesa Observatory Station and their Dynamics in the Context of Modern Climate Change

Prokofiev Oleh, Liudmyla Goncharova, Vadim Chernyshov

Odesa National I.I. Mechnikov University Odesa, Ukraine

leggg0707@gmail.com

P3-14

Humidity Regime of the South of Ukraine Under Conditions of Climate Change

Kuryshyna Viktoriia




Odesa I.I. Mechnikov National University Odesa, Ukraine

kuryshyna.88@gmail.com

END OF POSTER PROGRAMME CLIMATE RISKS AND ADAPTATION TO CLIMATE CHANGE ON REGIONAL AND LOCAL LEVELS

**FRIDAY
16 APRIL 2025**

SPECIAL EVENTS

FOSTERING CLIMATE CHANGE AWARENESS AND CULTIVATING GREEN SKILLS AMONG YOUTH FOR A SUSTAINABLE FUTURE' IN THE FRAMEWORK OF ERASMUS+ PROJECT 101111959 – CLUVEX	 Click here to join Zoom session  Meeting ID: 856 8392 9706  Passcode: 291269
--	--

Location: Room 205, Building #2

Time: 16 April 2025, 13:00–15:00 EEST

Moderator: Hanna Lappalainen, Valeriya Ovcharuk

The introduction by organizers and self-presentations by participant. The discussion evolves along the following lines/questions:

13:00 – Short overview presentation about the CLUVEX project

13:10 – Guidebooks/ materials available – VEG, CLG (incl. all lectures & tools), CMC

13:20 – Sumup about 3 Trainings for moderators

13:30 – Break (15 min)




13:45 – Summary of the 1st VE Week (about moderators)

13:55 – Summary of the 1st VE Week (about students)

14:05 – Call-for-students for the 2nd VE Week (May 2025)

- promoting to all participants upcoming opportunity to participate,
- questions vs answers,
- sharing personal experiences (especially, students who attended 1st VE Week).

14:50 – Wrap-up & Closing words

A ROUND-TABLE DISCUSSION ‘BRIDGING THE GAP BETWEEN PROVISION CLIMATE SERVICES AND NEEDS OF CLIMATE-DEPENDENT SECTORS’ IN THE FRAMEWORK OF ERASMUS+ PROJECT 619285-EPP-1-2020-1-FI-EPPKA2-CBHE-JP - CLIMED	 Click here to join Zoom session  Meeting ID: 856 8392 9706  Passcode: 291269
--	--

Location: Room 205, Building #2

Time: 16 April 2025, 15:30–17:30 EEST

Moderator: Svyatoslav Tyuryakov

The introduction by organizers and self-presentations by participant. The discussion evolves along the following lines/questions:

15:30 – Short overview presentation about the ClimEd project

15:45 – Enhancing Capacity: Review of ClimEd Training Sessions

- Key outcomes from seven training sessions conducted within ClimEd
- Lessons learned and feedback from trainers and participants
- Challenges and opportunities for improving training effectiveness

16:05 – Climate Literacy for Effective Decision-Making and Service Use

- Overview of training programs, learning materials, and digital tools developed by ClimEd
- Discussion on how these resources support climate service integration into education and professional training
- Identifying gaps in existing climate education that hinder effective climate service use

16:35 – Strengthening Collaboration Between Climate Service Providers and End-Users




Panel Discussion: Climate service providers (meteorological institutions, researchers, private sector) and end-users (policymakers, businesses, local authorities) share perspectives on:

- What are the biggest challenges in ensuring effective collaboration between climate service providers and end-users?
- How can we enhance communication between data producers (scientists, meteorologists) and data users (policymakers, businesses, local communities)?
- What role should universities and research institutions play in bridging the gap between climate science and decision-making?
- How can we make climate services more user-friendly and applicable to real-world challenges in different sectors (e.g., agriculture, urban planning, disaster risk management)?
- What are some successful examples of collaboration between climate service providers and end-users that ClimEd can learn from?
- How can ClimEd training programs help end-users build confidence in interpreting and applying climate data?
- What specific actions can be taken to establish stronger long-term partnerships between academia, policymakers, and private-sector stakeholders?

17:15 – Wrap-up & Closing words

**THURSDAY
17 APRIL 2024**

SPECIAL EVENTS

A ROUND-TABLE DISCUSSION 'DEVELOPMENT OF THE INTENSE DOCTORAL SCHOOL: EXPERIENCE, CHALLENGES, AND PERSPECTIVES IN UKRAINE WITHIN THE SUNRISE PROJECT' IN THE FRAMEWORK OF ERASMUS+ PROJECT 2024-1-IT02-KA220-HED-000256685 – SUNRISE	 Click here to join Zoom session  Meeting ID: 856 8392 9706  Passcode: 291269
---	--

Location: Room 205, Building #2

Time: 17 April 2025, 09:00–10:30 EEST

Moderators: Anton Shkaruba, Valeriya Ovcharuk

9:00 – Welcome and Opening Remarks

- Moderator's introduction
- Brief overview of the SUNRISE project as a continuation of INTENSE
- Objectives of the round-table discussion

9:15 – Presentation of INTENSE Doctoral School Achievements

- Key outcomes and lessons learned from the INTENSE project
- Implementation of structured doctoral training in Ukraine
- Testimonials from faculty and doctoral students

9:35 – Current Challenges in Doctoral Education in Ukraine

- Institutional and regulatory barriers
- Academic mobility and international collaboration
- Resource limitations and funding issues

9:55 – Integration of the INTENSE Model into the SUNRISE Project

- Planned activities and objectives of SUNRISE
- Enhancing interdisciplinary research and innovation
- Strengthening partnerships with European universities


10:15 – Open Discussion: Perspectives and Next Steps

- Contributions from Ukrainian and international partners
- Exchange of ideas on improving doctoral training
- Identifying areas for further collaboration

11:00 – Summary and Closing Remarks

- Key takeaways and action points
- Closing words from organizers and project coordinators

**LIVING LAB APPROACH FOR REAL-WORLD
IMPACT IN URBAN AREAS**

 [Click here to join Zoom session](#)

 Meeting ID: 824 3532 7697

 Passcode: 684865

Location: Room 205, Building #2

Time: 17 April 2025, 11:00–12:30 EEST

Moderators: Anton Shkaruba, Ruthi Veibiakkim

11:00 - 11:15: Introduction of participants

11:15 - 11:30: Lecture on Living Labs

- Presenter: Ruthi Veibiakkim
- Explanation on how teams work should be approached + group splitting into breakout rooms: Anton Shkaruba, Ruthi Veibiakkim

11:30-12:00: Group work

12:00-12:25: Teams presentation

- 5 minutes for each team to present, depending on number of teams

12:25 - 12:30: Conclusion

- Anton Shkaruba, Ruthi Veibiakkim

AUTHOR INDEX

- Agbazo, Noukpo Médard, 9
Aguilar Anfrons, Enric, 8
Andrusenko Volodymyr
Babienko, Volodymyr, 15
Baklanov, Alexander, 7
Balabukh, Vira, 12
Barsukova, Olena, 10
Basyuk Pavel, 13
Bejenaru, Gherman, 12
Bereznyska, Yulia, 8
Boqué Ciurana, Anna, 7
Borovska Halyna, 14
Borshch, Diana, 9
Bratova, Zlata, 11
Budnik Svitlana, 15
Chernyshov Vadim, 15
Chorna, Tetiana, 11
Cimolai, Caterina, 7
Danilova Nataliia, 14
Diadin, Dmytro, 9
Dide, Francis, 10
Dokus Anhelina, 12
Dovhal Hanna, 15
Drozd, Olena, 9
Dyman, Nataliya, 13
Dyman, Tetiana, 9
Ezerkovska, Liudmyla, 9
Ezerkovskiy, Artur, 9
Filipova, Larysa, 9
Glushkov Alexander, 14
Goncharova Liudmyla, 15
Goptsiy, Maryna, 12, 15
Gorbachova, Liudmyla, 10
Grabovskiy Mykola, 13
Gerashchenkova Tetyana, 13
Grebin, Vasyl, 12
Grey Sebastian, 13
Halych Yelyzaveta, 11
Husieva, Kateryna, 14
Karaulna, Vitalina, 9
Karpuk, Lesia, 9
Katerusha, Halyna, 14
Khandogina, Olga, 10
Khetselius, Olga, 14
Khomenko, Inna, 11, 14, 15
Khrystiuk, Borys, 10
Kichuk, Natalia, 15
Kiriya, Yurii, 15
Koivogui, Lancei, 9
Komisar, Kateryna, 8
Kovalenko Mykhailo, 15
Kovalenko, Yurii, 10
Kozhevnikov, Sergii, 8
Kozlenko, Tetiana, 8
Kravchenko, Maryna, 11
Kryvobok, Oleksii, 8, 11
Kryvoshein, Oleksandr, 11
Kuklyshyn, Oksana, 10
Kuryshyna, Viktoriia, 12, 14
Kushchenko Liliia, 15
Kuza Antonina, 13
Kyrnasivska Nataliia, 13
Labunskyi Igor, 13
Lappalainen, Hanna K., 7
Liuta, Oksana, 10
Lobachev Mykhailo, 14
Loboda, Nataliia, 8, 10, 13,
Lonsenigbe Camara, 9
Mandrysh, Oleksandr, 13
Martyniuk Maksym, 14
Mokan, Anastasiia, 11
Mokienko, Andrii, 15
Moufouma-Okia, Wilfran, 7
Nadtochii, Lyudmila, 8
Nazhmudinova Olena, 14
Nedostrelova, Larysa, 14
Olano Pozo, Jon Xavier, 7
Oleshko, Olena, 11
Oreshchenko, Andrii, 8
Otchenash, Nataliia, 8
Ovcharuk Valeriya, 12, 14, 15
Parrish, Patrick, 7
Pavlichenko Andrii, 9
Pavlovskiy, Volodymyr, 9
Perebynos, Alona, 10
Pilipyuk Viktor, 13
Pisariiev Yurii, 14
Polevoy, Anatoliy, 10
Popovych, Olena, 10
Pozdnyakov Yurii, 15
Prokofiev, Oleh, 11, 14, 15
Prokopenko, Ihor, 10
Prykhodko Nadiia, 15
Prykhodko Veronika, 15
Reshetchenko, Svitlana, 9
Rozvod, Mykyta, 8
Rusyn, Iryna, 12
Rybalka, Inna, 9
Savenets, Mykhailo, 8
Semerhei-Chumachenko, Alina, 11, 12
Serbov Mykola, 14
Shablui Oleh, 14
Shahynin Anton, 9
Shakirzanova, Zhannetta, 12
Shepel, Victoriya, 12
Shevchenko, Olga, 9
Sivaiev, Denys, 12
Sliushar, Vira, 10
Snizhko, Sergiy, 9
Sryberko Anastasiia, 14
Starzhynskiy, Pavlo, 10
Stavetska, Ruslana, 9
Stepanenko, Sergiy, 8
Stetsyuk Andriy, 14
Talalayev, Kostyantyn, 9
Tarchiani Vieri, 13
Tashku Alina, 14
Titarenko, Oksana, 9
Tkachenko, Tetiana, 11
Tkachenko, Tetiana, 9
Tymofeyev, Vladyslav, 11
Tytariova, Olena, 10
Umanets, Antonina, 8
Vakula, Bohdan, 9
Vashchuk, Yulia, 11
Vasiutynska Kateryna
Vasylenko, Lesya, 11
Vergeles, Yuriy, 9
Voloshkina, Olena, 11
Volvach Oksana, 14, 15
Vronska, Nataliya, 10
Yahodynets Stepan, 15
Yakovlev, Valeriy, 9
Yarov Yaroslav, 13
Yuzyuk Serhii, 15
Zabarna Eleonora, 14
Zabolotna Olena, 11
Zadorozhna, Ruslana, 12
Zaika, Nataliia, 9
Zaiets Serhii, 15
Zhelezniak Valeriy, 13
Zhemera, Natalia, 8
Zhygailo Olena, 13
Zhygailo Taras, 13
Zhyhailo Demian, 13

**Publication of Papers of the International Research-to-Practice Conference
'Climate Services: Science and Education' in *Ukrainian
Hydrometeorological Journal***

Deadline for submissions: 31 December 2025

Authors of contributions that have been submitted/accepted to one of the listed session topics are invited to submit conference papers to the Open Access Journal *Ukrainian Hydrometeorological Journal*.

- Issues of Climate Services in Climate-Sensitive Economic Sectors
- Education in Climate Services
- Climate Risks and Adaptation to Climate Change on Regional and Local Levels

The respective session convenors have kindly agreed to act as guest editors.

The manuscript submission will start shortly after the conference.

Papers will be published online after acceptance by the editor.

FOR NOTES

CLIMATE SERVICES: SCIENCE AND EDUCATION

SECOND INTERNATIONAL RESEARCH-TO-PRACTICE CONFERENCE

Programme

APRIL 16–18, 2025

ODESA, UKRAINE

160th Anniversary of Odesa S. P. Mechnikov National University

cs2025.onu.edu.ua