INTERNATIONAL RESEARCH-TO-PRACTICE CONFERENCE CLIMATE SERVICES: SCIENCE AND EDUCATION

September 22-24, 2021 Odesa, Ukraine

Programme













General Infromation

LOCATION AND CONFERENCE ADDRESS

The International Research-to-Practice Conference 'Climate Services: Science and Education' are held jointly in Odesa, Ukraine, from 22 - 24 September 2021. The congress is open to all interested in its themes and topics.

The conference takes place on the premises of Odessa State Environmental University.

Conference Centre

Odessa State Environmental University 15 Lvivska Str. Odessa, 65016 Ukraine

www.odeku.edu.ua

Rules of Conduct

- Smoking is prohibited in the OSENU 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 Odessa State Environmental University:

- by mini-bus #185 (Lviv) to the stop 'Odessa State Environmental University';
- by tram # 18 to the stop '13th station of Big Fountain';
- by trams # 26, 31 and mini-buses # 127, 150, 191, 221 to the stop "7th station of the Lustdorf road".

To clarify your route, you can use the sites https://www.048.ua/transport and https://2gis.ua/odessa or mobile applications DoubleGIS, LLC 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.

Social Events

Wednesday, **22 September 2021** 19:00 Conference Dinner

Thursday, 23 September 2021

17:00 Sightseeing tour in Odesa

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

Opening Hours

2

Wednesday – Thursday, 22 – 23 September 2021 08:00–16:00 Friday, 24 September 2021 08:00–10:00

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SPECIAL EVENTS	
A Round-Table Discussion 'Bridging the Gap between Provision Climate Services and Needs of Climate-Dependent Sectors' in the Framework of Erasmus+ Project	
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A Dissemination Workshop on the Summer School Green & Blue Infrastructure in a	
Post-Communist City: Exploring Legacies and Developing Innovation	15
A Round-Table Discussion 'Establishment and Development of the Doctoral School	
under the auspices of Erasmus+ Project 586471-EPP-1-2017-EE-EPPKA2-CBHE-JP -	1 -
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Session programme overview

SESSION PROGRAMME OVERVIEW

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ONESDAY, 22 SEPTEMBER 2021	Room 213, Building #2	PLENARY SESSION	Coffee Break	PLENARY SESSION	Lunch Break	PLENARY SESSION	Conference Dinner	URSDAY, 23 SEPTEMBER 2021	Room 302, Building #1	Climate Risks and Adaptation to Climate Change on Regional and Local Levels	Coffee Break	Climate Risks and Adaptation to Climate	Change on Regional and Local Levels		Lunch Break	POSTER SESSION	Coffee Break	Sightseeing tour in Odesa	RIDAY, 24 SEPTEMBER 2021	Room 205, Building #2	g the Gap between Provision Climate Services and Needs of Climate-Dependent Sectors'	Coffee Break	A Round-Table Discussion 'Bridging the Gap between Provision Climate Services and Needs of Climate-Dependent Sectors'	The Summer School Dissemination Workshop in Odessa	Lunch Break	Discussion 'Establishment and Development of the Doctoral School'	Coffee Break	Discussion 'Establishment and Development of the Doctoral School'
WED								DHA	Room 205, Building #2	Education in Climate Services		Education in Climate Services									A Round-Table Discussion 'Bridging		A Round-Table Discussion 'Bridging	Th		A Round-Table I		A Round-Table I
	EEST	09:45 - 11:30	11:30 - 12:00	12:00 - 13:30	13:30 - 14:30	14:30 - 16:30	17:00		EEST	9:00 - 10:30	10:30 - 11:00	11:00 - 12:00	11:00 - 12:30	11:00 - 12:30	12:30 - 13:30	13:30 - 16:00	16:00 - 16:30	17:00		EEST	9:00 - 10:30	10:30 - 11:00	11:00 - 12:00	12:00 - 13:30	13:30 - 14:30	14:30 - 16:00	16:00 - 16:30	16:30 - 17:30

INTERNATIONAL ORGANISING COMMITTEE

Enric Aguilar Rovira i Virgili University, Spain
Hanna Lappalainen University of Helsinki, Finland

Svyatoslav Tyuryakov University of Helsinki, Finland University of Helsinki, Finland University of Helsinki, Finland

Alexander Baklanov Science and Innovation Department of World

Meteorological Organization, Switzerland, affiliated

professor at University of Copenhagen

Patrick Parrish, retired World Meteorological Organization Education and

Training Office, Switzerland

Marina Baldi WMO Regional Training Centre, Italy

Eduard Podgaiskii WMO-CGMS Virtual Laboratory for Training and

Education in Satellite Meteorology

Anna Timofeeva WMO Executive Council Capacity Development Panel

Valentina Khan North EurAsia Climate Centre

Kalev Sepp Estonian Life Science University, Estonia

Anton Shkaruba Estonian Life Science University, Estonia

Svitlana Krakovska Ukrainian Hydrometeorological Institute, Ukraine

Mykola Kulbida Ukrainian Hydrometeorological Center, Ukraine

Sergiy Snizhko Taras Shevchenko National University of Kyiv, Ukraine

Sergiy Stepanenko Odessa State Environmental University, Ukraine

LOCAL ORGANISING COMMITTEE AT OSENU

Sergiy Stepanenko Chair, Rector, Professor

Valerii Khokhlov Vice-Chair, Vice-Rector for Studies and Methodology,

Professor

Valeriya Ovcharuk Vice-Chair, Director of Hydrometeorological Institute,

Professor

Inna Khomenko Secretary, Associate Professor of Department of

Meteorology and Climatology

Mykola Berlinskyi Head of Department of Oceanography and Marine

Nature Management, Professor

Mariia Krachkovska Vice-Rector for Administrative Activity

Nataliia Loboda Head of Department of Hydroecology and Water

Research, Professor

Maryna Pohorelova Senior Lecturer of Department of Land Hydrology

Anatolii Polovyi Head of Department of Agrometeorology and

Agroecology, Professor

Oleh Prokofiev Head of Department of Meteorology and Climatology,

Associate Professor

Yurii Tuchkovenko Vice-Rector for Research, Professor

Oleg Shabliy Head of Foreign Relations Department

Zhannetta Shakirzanova Head of Department of Land Hydrology, Professor

WEDNESDAY 22 SEPTEMBER 2021

PLENARY SESSION

Room 213

	Room 213								
-	Sergiy Stepanenko, Odessa State Environmental University Alexander Baklanov, World Meteorological Organisation								
9:45-10:00 EES	Γ Conference Welcome Sergiy Stepanenko								
10:00-10:30 EES online	T Integrated Urban Climate, Weather and Environmental Services Alexander Baklanov								
10:30-11:00 EES online	The World Meteorological Organization climate services information system: Advances, challenges and opportunities Wilfran Moufouma-Okia, Anahit Hovesepyan								
11:00-11:30 EES	On the development of the Concept for the creation of a National Framework for Climate Services in Ukraine Sergiy Stepanenko								
11:30-12:00 EES	T COFFEE BREAK								
12:00-12:30 EES	The Impact of Climate Change on the Conditions of Growing Vegetable Crops in the Steppe Zone of Ukraine Anatolii Polevoy, Liudmila Bozko, Olena Barsukova								
12:30-13:00 EES	T Natural Focal Diseases of the Arctic Region of Russia								
online	Svetlana Malkhazova, Varvara Mironova, Irina Bashmakova								
13:00-13:30 EES online	Pan-Eurasian Experiment (PEEX) Program: Current Approach and Collaboration Hanna K. Lappalainen, Alexander Mahura, Svyatoslav Tyuryakov, Irina Bashmakova								
13:30-14:30 EES	T LUNCH BREAK								
14:30-15:00 EES online	T Variations of Atmospheric Circulation and Geomagnetic Field in the North Hemisphere								
	Vazira Martazinova, Galyna Melnyk								
15:00-15:30 EES	Climate Services and Vulnerability of Water Resources								
	Hans-Peter Nachtnebel, Mathew Herrnegger								
15:30-16:00 EES	Assessment of Climate Change Impact on Parameters of Freshwater Balance in Lagoons of North-Western Black Sea Coast								
	Valeriy Khokhlov, Yurii Tuchkovenko, Nataliia Loboda								
16:00-16:30 EES online	T EUMETSAT's Prototype Data Cube for Drought and Vegetation Monitoring								
	Christine Traeger-Chatterjee, Daniel Lee, Mike Grant								

ORAL PRESENTATION

Issues of Climate Services in Climate-Sensitive Economic Sectors

Thursday, 23 September 2021

Lecture room: 312, Building #1

9:00-10:30 EEST

Chairperson: Valerii Khokhlov

9:00-9:15

Composting of Organic Waste - an Effective Method of Their Disposal and a Prospective Factor of Slowing Climate Change (on the Example of Lviv)

Tymchuk, I., M. Malovanyy, V. Zhuk, V. Sliusar, U. Storoshchuk, O. Liuta Lviv Polytechnic National University Lviv, Ukraine

i.s.tymchuk@gmail.com

9:15-9:30

Climate Services in the Republic of Belarus

Sumak, K.

Republican Center for Hydrometeorology, Control of Radioactive Contamination and Environmental Monitoring

Minsk, Belarus

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9:30-9:45

Actual Indicators of Changes in Climatic Conditions in the Agricultural Sector

Pasechko-Dietrich, V., O. Smorochinsky, V. Kushnerenko, A. Dubinsky

Kherson State Agrarian and Economic University

Kherson, Ukraine

papakinans@ukr.net

9:45-10:00

Visual Decoding of Eroded Soils to the Sentinel Images

Achasov, A., A. Achasova

V.N. Karazin Kharkiv National University Kharkiv, Ukraine

achasov@karazin.ua

10:00-10:15

Dispersal and Development of Beet Webworm Loxostege Sticticalis (L.) in Different Region of Ukraine

Hornovska, S.V., V.P. Fedorenko, Y.V. Fedoruk

Bila Tserkva National Agrarian University Bila Tserkva, Ukraine

gornovskayasvetlana@ukr.net

10:15-10:30

Climate Service Problems. Food Security with WOFOST Model

Kryvoshein, O., O. Kryvobok

Ukrainian Hydrometeorological Institute Kyiv, Ukraine

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10:30-11:00 EEST COFFEE BREAK

Thursday, 23 September 2021

Lecture room: 312, Building #1

11:00-12:30 EEST

Chairperson: Valerii Khokhlov

11:00-11:15

Ground-Based Lightning Detection System as a Tool for Estimation of Extreme Weather Events in Ukraine

Kryvobok, O., M. Koman, O. Kryvoshein, O. Zabolotna

Ukrainian Hydrometeorological Institute Kyiv, Ukraine

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11:15-11:30: online

Climate Services and Agriculture: Understanding the Demand Side. Smallholders Perceptions in Odemira, Portugal

Schwemmlein, K.

Instituto de Ciências Sociais Lisboa, Portugal

kaya.ms@hotmail.com

Oral Presentations

11:15-11:30: online

Measures to Mitigate Climate Change from Civil Aviation Impact

Synylo, K.

National Aviation University

Kyiv, Ukraine

synyka@googlemail.com

11:30-11:45: online

Rainfall and Temperature Variability and Prevalence of Malaria in Damaturu, Nigeria

Aweda, E.D., M. Abdullahi

WMO Regional Training Center, Nigerian Meteorological Agency Nigeria

emmanuelaweda@yahoo.com

11:45-12:00: online

Estimation of NO₂ and SO₂ Increase during the Heating Season in Ukraine Using TROPOMI Data

Savenets, M.

Ukrainian Hydrometeorological Institute Kyiv, Ukraine

savenetsm@gmail.com

12:00-12:15

An Experimental Study on Draw Solution Performance in Fertilizer Drawn forward Osmosis under Water Energy Food Nexus Framework in Egypt

Amin, G., P. Nasr, H. Sewilam The American University in Cairo Cairo, Egypt

g.amin@aucegypt.edu

12:15-12:30

Increasing the Production and Use of Biogas Using Hydrobionts as Raw Materials – an Effective Way to Reduce Climate Dynamics

Zhuk V., M. Malovanyy, I. Tymchuk, O. Popovych, N. Vronska Lviv Polytechnic National University Lviv, Ukraine

myroslav.mal@gmail.com

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

Education in Climate Services

Thursday, 23 September 2021

Lecture room: 205, Building #2

9:00-10:30 EEST

Chairperson: Valeriya Ovcharuk

9:00-9:15: online

"Co-Creation of Climate Services with Local Agents" Course: Adapting WMO Climate Service Competencies in the Frame of Bachelor Degree on Geography of Rovira i Virgili University

Boqué-Ciurana, A., A. Font-Barnet, J. X. Olano Pozo Universitat Rovira i Virgili Tarragona, Spain anna.boque@urv.cat

9:15-9:30

Online Approaches for Climate-Oriented Education

Mahura, A., V. Ovcharuk, T. Kryvomaz, H. Lappalainen, K. Lauri, I. Khomenko, O. Shabliy, V. Kabin, M. Frankowicz, Yu. Rashkevych, L. Riuttanen, S. Tyuryakov, I. Bashmakova University of Helsinki, Institute for Atmospheric and Earth System Research Helsinki, Finland

alexander.mahura@helsinki.fi

9:30-9:45

The Educational Content for the Learning Environment in Economic, Meteorological and Agricultural Sciences

Nezhlukchenko, T., V. Kushnerenko, N. Nezhlukchenko
Nikolaev National Agrarian University
Mykolaiv, Ukraine
nataly12154@gmail.com

9:45-10:00

Training Course for Experts in Climatology and Meteorology "Introduction to Climate Change"

Agayar, E., N. Mishchenko, I. Semenova, A. Semerhei-Chumachenko Odessa State Environmental University Odesa, Ukraine

agavarellina@gmail.com

Oral Presentations

10:00-10:15

You Will Help Water – You Will Cause Trouble and Then the Ecology of the Earth Will Rise Again

Vonitova, N.D.

Department of Education of Sykhiv and Lychakiv districts of the Dep artment of Humanitarian Policy of the Lviv City Council

Lviv, Ukraine

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10:15-10:30

Ecological Security and Sustainable Development as One of the Platforms of National Revival in the Modern Education Space

Hrytsiv, T.H.

Rosokhatska General Education School I-III stages

Ternopil Region, Ukrain

g.tanya76meta.ua@meta.ua

10:30-11:00 COFFEE BREAK

Thursday, 23 September 2021

Lecture room: 205, Building #2

11:00-12:00 EEST

Chairperson: Valeriya Ovcharuk

11:00-11:15: online

Inter-Faculty Course «Weather and Climate: Global Warming» as a Part of Basic Education for Climate Services **Maksymenko**, N., K. Utkina, G. Titenko V.N. Karazin Kharkiv National University Kharkiv, Ukraine

maksymenko@karazin.ua

11:15-11:30

Erasmus+ Project "Integrated Doctoral Program for Environmental Policy, Management and Technology – Intense": Karazin University Team Courses

Utkina, K., G. Titenko, N. Maksymenko, A. Nekos, A. Achasov, A. Kucher, I. Bodak, O. Chernikova

V.N. Karazin Kharkiv National University Kharkiv, Ukraine

k.utkina@karazin.ua

11:30-11:45

MOOC "Precautionary Principle and Sustainability Transition": Up-Dated Structure and Content

Utkina, K.

V.N. Karazin Kharkiv National University Kharkiv, Ukraine

k.utkina@karazin.ua

11:45-12:00: online

Internship of Erasmus+ "Intense" for Evaluation of Green Infrastructure and Ecosystem Services of Foresty Landscapes in Lviv

Burchenko, S.V., V.O. Voronin, N.V. Maksymenko, I.M. Shpakivska

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END OF ORAL PROGAMME EDUCATION IN CLIMATE SERVICES

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

Thursday, 23 September 2021

Lecture room: 302, Building #1

9:00-10:30 EEST

Chairperson: Anatolii Polovyi

9:00-9:15

Productivity Features of Romanov Sheep in Kherson Region Conditions

Danyliv, I., S. Mamedov

Kherson State Agrarian and Economic University

Kherson, Ukraine

papakinans@ukr.net

9:15-9:30

The Impact of Climatic Changes on the Water Regime of the Siverskiy Donets' Basin

Dmitriiev, S., S. Reshetchenko

V.N. Karazin Kharkiv National University Kharkiv, Ukraine

sviatik1999mail.ru@gmail.com

Oral Presentations

9:30-9:45 online

Analysis of Precipitation and Their Extremeness according to Observation Data at Odessa Meteorological Station for the Period 1976-2019

Klok, S.V., A.O. Kornus, O.H. Kornus Ukrainian Hydrometeorological Institute Kyiv, Ukraine sklok_8@ukr.net

9:45-10:00

Dependence of Wool Productivity of Sheep and Climate

Nezhlukchenko, T., N. Nezhlukchenko Nikolaev National Agrarian University Mykolaiv, Ukraine nataly12154@gmail.com

10:00-10:15

Relationship between Air Pollution, Global Climate Change and Distribution of COVID-19

Voloshkina, O., T. Shabliy, T. Tkachenko, A. Goncharenko, O. Zhukova Kyiv National University of Construction and Architecture

Kyiv, Ukraine

e.voloshki@gmail.com

10:15-10:30 online

Possibilities for Complex Storm Detection and Forecasting of Severe Convective Structures Based on Modeling and Satellite Data

Prakharenia, M.

Belarusian State University Minsk, Belarus

maryprokharenya@gmail.com

10:30-11:00 COFFEE BREAK

Thursday, 23 September 2021

Lecture room: 302, Building #1

11:00-12:15 EEST

Chairperson: Anatolii Polovyi

11:00-11:15

Ecological Education and Environmental Safety Issues

Smalyukh, O.P.

Lviv Regional Centre for Hydrometeorology Lviv, Ukraine sinlviv@meteo.gov.ua

11:15-11:30

Scientific, Methodological and Educational Aspects of Climate Change of the Antarctic Peninsula Region **Timofeyev, V.,** O. Mazepa

Ukrainian Hydrometeorological Institute
Kyiv, Ukraine

11:30-11:45 online

tvvladys@gmail.com

The WMO Vegetation Fire and Smoke Pollution Warning Advisory and Assessment System (VFSP-WAS): Methodology, Current Capabilities and Possible Applications for Ukraine

Baklanov, A.

World Meteorological Organization **ABaklanov@wmo.int**

11:45-12:00 online

Indexes of the Live Weight of Lambs of Different Types of Birth

Papakina, N., T. Oskirko

Kherson State Agrarian and Economic University

Kherson, Ukraine

papakinans@ukr.net

12:00-12:15 online

The Impact of Climate Change on the Productivity of Dairy Cattle

Papakina, N., A. Nosko

Kherson State Agrarian and Economic University

Kherson, Ukraine

papakinans@ukr.net

12:15-12:30

Probabilistic-Stochastic Modeling of the Spring Flood Maximum Runoff as a Part of the Climate Service in the Water Management of Ukraine

Ovcharuk, V.

Odessa State Environmental University Odesa, Ukraine

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

POSTER PRESENTATIONS

Issues of Climate Services in Climate-Sensitive Economic Sectors

Thursday, 23 September 2021

Poster Area: Reading Room, Building #2

Attendance time: 13:30-16:00 EEST

Chairperson: Valerii Khokhlov

P1-1

Effective Purification of Landfill Filtrates in the Context of Pollution Minimization Provocated by Climate Change

Malovanyy, M., I. Tymchuk, V. Zhuk, R. Grechanik, A. Sereda, A. Marakhovska Lviv Polytechnic National University Lviv, Ukraine

myroslav.mal@gmail.com

<u>P1-2</u>

Climate Characteristics of the Heating Period in the Present Time and in the Future

Voloshyna, O.V.

Odessa State Ecological University Odesa, Ukraine voloshyna.ev@gmail.com

P1-3

Special Aspects of Studying the Environmental Factors During the Period of Grain Crops Overwintering under Climatic Changes

Dubovy, **V.I.**, V.I. Vorobyov, O.V. Dubovy

Bila Tserkva National Agricultural University

Bila Tserkva, Ukraine

vidubovy@gmail.com

P1-4 online

Regional Evaluation of Change in the Sum of Active Temperatures for Optimization of Agricultural Production

Maksymenko, N., T. Huzieieva V.N. Karazin Kharkiv National University Kharkiv, Ukraine

maksymenko@karazin.ua

P1-5 online

Relevance of the Use of Climate Services in the Development of Horsemanry of Southern Ukraine

Sobol, O.M.

Kherson State Agrarian and Economic University

Kherson, Ukraine

sobolalex1986@gmail.com

P1-6

Assessment of Impact of Future Climate Change on the Land-Based Transportation of Ukraine Based on RCP Scenarios

Khomenko, I.

Odessa State Environmental University Odesa, Ukraine

innchom.ik@gmail.com

<u>P1-7</u>

Research of the Expected Indexes of Winter Climate Discomfort in Ukraine **Katerusha O.,** H. Katerusha Odessa State Environmental University Odesa, Ukraine **galina.od@rambler.ru**

P1-8

Adaptation Measures to Climate Change in Water Resources Management Goptsiy M., V. Ovcharuk, O. Prokofiev Odessa State Environmental University Odesa, Ukraine goptsiy-odeky@ukr.net

P1-9

Scientifically Substantiated Recommendations of Water Management of Katlabukh Lake under Current and Future Climate Change

Shakirzanova, Zh.R., Ye.O. Romanova, Ju.S. Medvedieva

Odessa State Environmental University Odesa, Ukraine

jannettodessa@gmail.com

Poster Presentations

P1-10 online

Cyclicity and Periodicity of Water Runoff of the Southern Buh River and the Possibility of its Forecasting by the α Method

Gorbachova, L.O., B.F. Khrystiuk, V. Prykhodkina

Ukrainian Hydrometeorological Institute Kyiv, Ukraine

gorbachova@uhmi.org.ua

P1-11 online

Thermodynamic Factors Responsible for Pre-Monsoon Thunderstorms over Lagos and Kano, Nigeria

Iheme P., A. Oluleye

Nigerian Meteorological agency Nigeria

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END OF POSTER PROGAMME ISSUES OF CLIMATE SERVICES INCLIMATE-SENSITIVE ECONOMIC SECTORS

Education in Climate Services

Thursday, 23 September 2021

Poster Area: Reading Room, Building #2

Attendance time: 13:30-16:00 EEST

Chairperson: Valeriya Ovcharuk

P2-1

Ways of Implementing Non-Formal Climate Education for Young People **Dyman, N.**

Bila Tserkva National Agrarian University Bila Tserkva, Ukraine

nathalie.dyman@gmail.com

P2-2 online

About the Possibility of Automated Monitoring of Environmental-Chemical Indices of Atmosphere Precipitation

Fedoniuk, V.V., O.T. Kosthiv, M.A. Fedoniuk

Lutsk national technical university Lutsk, Ukraine

ecolutsk@gmail.com

P2-3 online

Medical Education in the Conditions of Distance Learning

Lakhtadyr, T.V., I.V. Dzevulska, R.F. Kaminskyi

Bogomolets National medical university Kyiv, Ukraine

anatomi@ukr.net

END OF POSTER PROGAMME EDUCATION IN CLIMATE SERVICES

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

Thursday, 23 September 2021

Poster Area: Reading Room, Building #2

Attendance time: 13:30-16:00 EEST

Chairperson: Anatolii Polovyi

P3-1

Low Carbon Roadmap – the Case Study of Egypt

Amin, G.

Center for Applied Research on the Environment and Sustainability School of Sciences and Engineering The American University in Cairo Cairo, Egypt

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P3-2

Climate Change and the Frequency of Squalls on the Territory of the North-Western Black Sea Region

Agayar, E.V., D.O. Zhuk

Odessa State Environmental University Odesa, Ukraine

agayarellina@gmail.com

P3-3

Characteristics of Extreme Temperature and Precipitation in Ukraine Based on ETCCDI Indices

Bohushenko, A., S. Stepanenko, I. Khomenko
Odessa State Environmental University

Odesa, Ukraine

ann.bogushenko@gmail.com

Poster Presentations

P3-4 online

Displays of Changes of a Climate in Basins of the Western Bug and Pripyat Rivers

Budnik, S.V.

Boris Śreznevskiy Central Geophysical Observatory

Kyiv, Ukraine

svetlana_budnik@ukr.net

P3-5

Detection of the Climate Change Impact on the River Runoff of Spring Flood in Pivdenny Bug River Basin

Dokus, **A.O.**, Zh.R. Shakirzanova Odessa State Environmental University Odesa, Ukraine angel.dokus@gmail.com

P3-6

Using Ensemble of Regional Climate Models for Assessment of Future Climate in North-Western Coast of Black Sea **Khokhlov V.,** E. Serga, L. Nedostrelova Odessa State Environmental University Odesa, Ukraine **khokhlovv@odeku.edu.ua**

<u>P3-7</u>

Air Temperature Regime in Odessa in Past and Present

Kuryshyna, V., O. Pavlov Odessa State Environmental University Odesa, Ukraine kuryshyna.88@gmail.com

P3-8

Air Temperature Regime in Odessa in Future

Kuryshyna, V.

Odessa State Environmental University Odesa, Ukraine kuryshyna.88@gmail.com

P3-9 online

An Integrated Framework for Assessing Climate Risks to Population Sustainability: a Case Study in Ho Chi Minh City, Vietnam

Nguyen Thi, Minh Hoa, Phu Bao Nguyen, Hong Nhat Pham, Tuan Anh Ha, That Lang Ton University of Labor and Social Affairs Ho Chi Minh City, Vietnam ttlang@hcmunre.edu.vn

P3-10

The Role of Satellite Monitoring for Climate Services

Semenova, I.

Odessa State Environmental University Odesa, Ukraine in home@ukr.net

P3-11

Temperature Regime as a Factor of Influence on the Territory **Reshetchenko, S.,** E. Boryskina V.N. Karazin Kharkiv National University, Kharkiv, Ukraine **s.reshetchenko@karazin.ua**

P3-12

The Effect of Partial Deforestation on Surface Wind Speed

Pysarenko, L., S. Krakovska

Ukrainian Hydrometeorological Institute

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lolinal@ukr.net

P3-13 online

Annual Distribution of the Oka River Flow in Kaluga under the Conditions of Climate Change

Zakharova, M.V.

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

FRIDAY 24 SEPTEMBER 2021

SPECIAL EVENTS

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

Location: Room 205, Building #2

Time: 9:00-12:00 EEST

Moderator: Svyatoslav Tyuryakov

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

- The varied understanding of the concept of climate services and consequences of this diversity
- Supply perspective:
 - Who are the providers of climate services and what is their main expertise?
 - Which types of climate services do they provide?
 - o What are the approached sectors and who are the targeted customers/users?
 - o Are the provided services mainly commercial or free of charge?
- Demand perspective:
 - o In which economic sectors are climate services being used?
 - Who do climate service users turn to for their information and how do they establish links to providers?
 - What is the most important for users when choosing a supplier of climate services?
 - What are the benefits of using climate services?
 - o Do climate service users aim to make their own services?
 - o How can climate services be improved?
 - What are the barriers for (wider) using or reasons for not using the climate services?

A Dissemination Workshop on the Summer School Green & Blue Infrastructure in a Post-Communist City: Exploring Legacies and Developing Innovation

Location: Room 205, Building #2

Time: 12:00-13:30 EEST

Convenors: Hans-Peter Nachtnebel, Viktar Kireyeu

12:00 – 12:10 Introduction by convenors

12:10 – 12:50 Short Presentations of the Participants of the Summer School

12:50 – 13:20 Panel Discussion

13:20 – 13:30 Conclusion remarks

FRIDAY 24 SEPTEMBER 2021

SPECIAL EVENTS

A Round-Table Discussion 'Establishment and Development of the Doctoral School under the auspices of Erasmus+ Project 586471-EPP-1-2017-EE-EPPKA2-CBHE-JP - INTENSE'

Location: Room 205, Building #2

Time: 14:30-17:30 EEST

Moderators: Anatolii Polovyi, Anton Shkaruba

The purpose of the roundtable is to ensure project sustainability, and better use of project deliverables to benefit universities, students and staff. This would include the following aspects:

- Attractiveness of PhD studies in general, and specifically the INTENSE PhD studies
- Visibility of partner universities as members of the INTENSE National Program, and OSENU as the lead institution of the first National Program in the field
- Specific benefits of the institutionalized cooperation at the national level as well as within the international INTENSE network, and how they can be maximized building on project deliverables
- The expansion of the INTENSE National School, how this should be formalized, what we shall offer to the new partners, and what are our expectations from them
- What INTENSE activities will be maintained and in what form; what is less important, and what new features are needed
- INTENSE e-learning the best options for formats and partner involvement
- Options for virtual and physical mobility under the INTENSE what is missing to work well
- Joint events what and how
- Governance of INTENSE whether it needs any changes to make it serve better the needs of the School.

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

Deadline for submissions: 31 December 2021

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