



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



CERTIFICATE

This is to confirm that

ALONA PEREBYNOS

has attended and successfully completed
the Erasmus+ ClimEd Training
*on Developing Learning Courses in Climate Services
Considering Needs of Different Users*

6-10 May 2024



Erasmus+ ClimEd Project

*"Multilevel Local, Nation- and Regionwide Education and Training in Climate Services,
Climate Change Adaptation and Mitigation"*

(619285-EPP-1-2020-1-FI-EPPKA2-CBHE-JP) <http://climed.network>

Hanna K. Lappalainen
University of Helsinki

Enric Aguilar
University Rovira i Virgili

ALONA PEREBYNOS

has been awarded three (3) credits according to the European Credit Transfer and Accumulation System (ECTS)

ClimEd Training included:

Lectures:

Lecture I. Climate Datasets, an overview- Enric Aguilar

Lecture II. Quality Control Climate Data - Enric Aguilar

Lecture III. Climate data Homogenization. Concepts and examples. - Enric Aguilar

Lecture IV. Climate Change Indices. Past experiences and new developments – Enric Aguilar

Lecture V. Scenarios (including Climate Change) for Agricultural Landscapes' Biodiversity and Ecosystem Services. Kalev Sepp, Volha Kaskevich , Lagle Lõhmus.

Lecture VI. Co-Created Climate Services for Climate Dependent Sectors: Insights from Posadas, Argentina. Caterina Cimolai.

Lecture VII. Co-creation and user engagement methodology. Jon Olano

Lecture VIII. Sensitivity of heat wave metrics calculation to input climate data (based on a case of Ukraine), Oleg Skrynyk

Lecture IX. Possible application of meteorological and atmospheric dispersion/trajectories models in analysis of climate/weather extreme events. Oleg Skrynyk

Lecture X. Deriving climate products, Sergio Vicente

Lecture XI. Drought in Ukraine. Inna Semenova

Lecture XII. Climate Policies. Juan Antonio Duro.

Lecture XIII. Climate Change Economics. Jose Manuel Giménez

Lecture XIV. Climate Services in Climate-Dependent Sectors: Calendar Crops. Anna Boqué

Lecture XIV. Climate services in infrastructures: C2risk . Jon Olano

Lecture XV. Potential uses of climate services in tourism: surf, beach and snow tourism. Anna Boqué.

Lecture XVI. Climate Services for Intangible Heritage: Catalan Human Towers. Òscar Saladié

Obtained Competencies/ Training Learning Outcomes:

Assess the location and characteristics of the observation sites Apply quality control processes to climate data and resulting time series.

Identify and retrieve climate data from different sources to generate climate products

Compute basic climate products, normals and averages, or anomalies.

Compute climate indices for the monitoring of climate change, climate extremes variability and Compute sector-specific climate indices and other sector-oriented climate products; Prioritize the communication of climatological information according to social, political and economic relevance Develop and deliver, in partnership with users, specific applications to facilitate the understanding of climate information .

Compute sector-specific climate indices and other sector-oriented climate products; Create value-added products, such as graphics, maps and reports to explain climate

characteristics and evolution, according to the needs of specific sectors such as health, agriculture, water, energy and disaster management.

Prioritize the communication of climatological information according to social, political and economic relevance.

Develop and deliver, in partnership with users, specific applications to facilitate understanding and use of climate products and services.