

ECOBIAS training in CLASSIFICATION PROTOCOLS AND SYSTEMS IN ECOMONITORING

Agenda

27th to 28th January 2021, University of Tuzla, On-line

Task Leader: Marija Gligora Udovič, P3 UNIZG for P08 UNT

Wednesday 27.01.2021.	ECOBIAS online trainings 27-28.01.2021. University of Tuzla, Tuzla, Bosnia and Herzegovina Task Leader P3 for P8
09:00-09:15	Trainings Day 1 participants registration and login
09:15-10:00	Classification protocols and systems in ecomonitoring Klasifikacijski protokoli i sistemi u ekomonitoringu - Biomonitoring, OVD i biološki elementi kakvoće
10:00-10:45	Classification protocols and systems in ecomonitoring Klasifikacijski protokoli i sistemi u ekomonitoringu-Ekološki status i ekološki potencijal
11:00-11.15	Coffee break
11:15-12:00	Classification protocols and systems in ecomonitoring Klasifikacijski protokoli i sistemi u ekomonitoringu-Tipovi vodnih tijela i interkalibracija
12:00-13:00	Classification protocols and systems in ecomonitoring Klasifikacijski protokoli i sistemi u ekomonitoringu-Primjeri i zadatci za studente -indeksi, metrike i računanje OEKa

Thursday 28.01.2020.	ECOBIAS online trainings 27-28.01.2021. University of Tuzla, Tuzla Bosnia and Herzegovina Task Leader P3 for P8
10:00-10:15	Trainings Day 2 participants registration and login
10:15-11:00	Classification protocols and systems in ecomonitoring Klasifikacijski protokoli i sistemi u ekomonitoringu-Pregled bioloških metoda i sustava ocjene ekološkog stanja koji se koriste u zemljama članicama.
11:00-11:45	Classification protocols and systems in ecomonitoring Klasifikacijski protokoli i sistemi u ekomonitoringu-Osnovne postavke i razumijevanje klasifikacijskih protokola i tijeka radnji u izradi sistema
11:45-12:15	Coffee break
12:15-13:00	Classification protocols and systems in ecomonitoring Klasifikacijski protokoli i sistemi u ekomonitoringu-Primjer sustava ocjene ekološkog stanja na temelju odabranih bioloških elemenata kakvoće
13:00-14:00	Classification protocols and systems in ecomonitoring Klasifikacijski protokoli i sistemi u ekomonitoringu-Primjer vježbe za studente – usporedba protokola i sistema u zemljama članicama EUa i interkalibracijska vježba

Annex 10. EVENT REPORT

Title of document	Event report of the training in <u>Classification protocols and systems in ecomonitoring</u>
Work Package	WP2
Last version date	1/2/2021
Status	X Draft Final
Document version	v.01
File name	Event report of the training in <u>Classification protocols and systems in ecomonitoring</u>
Number of pages	2
Dissemination Level	Internal

VERSIONING AND CONTRIBUTION HISTORY

Version	Date	Revision Description	Partner Responsible
v.01	1/2/2021	First draft	P8 University of Tuzla

LIST OF ABBREVIATIONS

XXXXXXXXXX

Purpose, objectives and elements of event

Purpose and objectives of this event were transfer of the knowledge and skills to participants of the course Classification protocols and systems in ecomonitoring. The basic elements of this course were: Biomonitoring, OVD and biological quality elements; Ecological status and potential; The types of water bodies and intercalibration; Examples and tasks for the students – indexes, metrics and calculating of OEKs; An overview of the biological methods and environmental assessment systems used in EU member states; Example of an ecological status assessment system based on selected biological quality elements; Example of the exercise for the students - comparison of protocols and systems in EU member states and intercalibration exercise.

LIST OF PARTICIPANTS

Pro.dr. Marija Gligora Udovič, University of Zagreb, Faculty of Science

Prof. dr. Jasmina Kamberović, University of Tuzla, Faculty of Natural Sciences and Mathematics

Prof. dr. Edina Hajdarević, University of Tuzla, Faculty of Natural Sciences and Mathematics

Prof. dr. Albina Kesić, University of Tuzla, Faculty of Natural Sciences and Mathematics

MA Lucija Grladinović, PhD student, University of Zagreb, Faculty of Natural Sciences and Mathematics

Mr. sc. Zorana Lukić, University of Tuzla, Faculty of Natural Sciences and Mathematics

MA Ivana Grgić, University of Zagreb, Faculty of Natural Sciences and Mathematics

Date of the 1st day

27.01.2021

Date of the 2nd day

28.01.2021

CONCLUSIONS

The training was successful and provided a lot of useful information. Thorough overview of the entire methodology and principles, well explained in depth, with useful advice for real-time application and meeting the European expectations.

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Annex 4. Summary of the Participant Feedback Form for Training (to be filled by host institution)

Part 1: Training Information

Date: 28/1/2021 - 29/01/2021

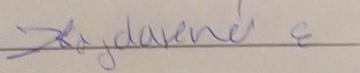
Place: On line training on MS Teams – Host University of Tuzla

Training objective: Classification protocols and systems in ecomonitoring (Task Leader P3 University of Zagreb) develop for P8 University of Tuzla

Lecturer: Dr.sc. Marija Gligora Udovič, izvr. prof.

Objective: In the bioassessment procedures within the EU there are different national protocols and systems of evaluation. Based on the insitu sampling and subsequent BQE measures, there is a vast array of metrics that can and may be used in achieving a final score/grade for the ecological state of a particular water body. Further, the metrics alone in some instances are not enough so multimetric (several biological metrics) indices should be applied. The objective of the course is to acquaint the participants with the aforementioned protocols.

Evaluator name Dr.sc. Edina Hajdarević, vanr. prof.

Signature 

Evaluator affiliation Faculty of Natural Sciences and Mathematics, University of Tuzla

Part 2: Organization and Structure

Organizational feature	3 Strongly Agree	2 Agree	1 Disagree	0 Strongly Disagree
The objectives of the training were clearly defined	6x3			
Information related to each item prepared well in advance of the training	6x3			
The material distributed were helpful and on time	6x3			
The presentations met my expectation	6x3			
Participation and interactions were encouraged by moderator	6x3			
The training objectives were met	6x3			
I will be able to apply the training's content in my future work	6x3			
The training content was challenging enough	6x3			
The timeframe was adequate	6x3			
The facilities were adequate	6x3			
Skill practice sessions were included	6x3			
Suggestion and criticism box (please specify)				
				Total: 198

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26. CLASSIFICATION PROTOCOLS AND SYSTEMS IN ECOMONITORING: Print Screens from on-line trainings

Recording

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participated in LA type intercalibration (SE and FI excluded):

- The final results include harmonised EQRs of BE, DE, HU, IE, PL, SE, SI and UK phytoberthos methods for HA type, BE, FI, IE, SE, UK - for MA type, IE and UK - for LA type.

2. Description of national assessment methods

In the Phytoberthos Cross-GIS, eleven MS submitted their phytoberthos assessment methods to the intercalibration (Table 2.1, for detailed description see Annex H.1).

Table 2.1 Phytoberthos lake assessment methods submitted to the IC.

MS	Method	Status
BE-F	Proportions of Impact-Sensitive and Impact-Associated Diatoms (PISIAD)	Finalized formally agreed national method
DE	PHYLIB	Intercalibratable finalized method
FI	IPS	Intercalibratable finalized method
FR	Indice Biologique Diatomées (IBD)	Under development
HU	MIL- Multimetric Index for Lakes	Finalized formally agreed national method
IE	Lake Trophic Diatom Index (LTDI) mark 1	Intercalibratable finalized method
IT	Multimetric method ICM (IPS and TI)	Finalized
PL	PL ID (multimetryczny Indeks Okrzemkowy dla Jezior - multimetric Diatom Index for Lakes)	Intercalibratable finalized method
SE	IPS	Intercalibratable finalized method
SI	Trophic index (TI)	Finalized formally agreed national method
UK	DARLEQ mark 2	Finalized formally agreed national method

Page 2

Recording

View

Jasmina Kamberovic

Lucija Gradinovic

Marija Gilgora Udovic, PMF Zagreb

Edina Hajdarevic

Mirela Sednjara

Ivana Crgic

Zorana Lukic

Unmute Stop Video

Participants Chat Share Screen Record Reactions

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