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EU4Environment
Water and Data in Eastern Partner Countries

EU4Environment in Eastern Partner Countries:

Water Resources and Environmental Data (ENI/2021/425-550)

# AGENDA

## Output 2.2 Land Monitoring Meeting in Moldova

| Date: | Time: | Venue: |
|---|---|---|
| **1-2 February, 2022** | **1,5 days** | **Conference room, INGEOCAD, 48 Serghei Lazo str., Chisinau** |

**Draft Agenda**

***Participants:***

- *Ministries and agencies experts: decision makers and implementers*
- *Team representatives of the national expert team IngeoCad*
- *Local Representative in Moldova,"EU4Environment"*
- *Barbara Kosztra Head of Europe´s Expert team for CLC 2024*
- *Isabella Greimeister-Pfeil Remote Sensing expert*
- *Andreas Littkopf European Topic Center manager, responsible for 2.2*

Venue: Conference room, INGEOCAD, 48 Serghei Lazo str., Chisinau, Republic of Moldova

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**Day 1: Wednesday, 1 February 2023**

**Conference Room INGEOCAD, 3rd Floor**

| Time | Item |
|---|---|
| 13:30 –14:00 | Registration, Coffee |
| 14:00– 14:10 | Welcome<br>• *TBC, Ministry of Environment of the Republic of Moldova*<br>• *Maria Ovdii Agency for Land Relations and Cadastre*<br>• *Andreas Littkopf,* Environment Agency Austria |
| 14:10 – 14:20 | Introduction and Tour de Table (all) |
| 14:20 -14:35 | The goal of WP 2.2 15'<br>*Andreas Littkopf,* Environment Agency Austria |
| 14:35 – 15:05 | Set the scene CLC (15'+15')<br>Barbara Kosztra (Lechner)<br>CLC 2024 Technical Team |
| 15:05- 15:25 | First ideas for implementation (10'+10')<br>*IngeoCad* |
| 15:25 – 15:40 | Reflections (15')<br>*Representatives from different institutions* |
| 15:40 – 16:00 | Coffee break |
| 16:00 - 16:20 | Copernicus Global Satellite Imagery and Value-added Products: An Overview<br>*Isabella Greimeister-Pfeil* Environment Agency Austria |
| 16:20 – 16:40 | To be filled: National land management data and imagery<br>*Ministerial /agency expert* |
| 16:40 – 17:00 | Discussion on what and how a use case could be structured and /or a data management system developed |
| 17:00 | End of day 1 |

**Day 2: Thursday, 2 February 2023**
**Group A:**

| | *Expert group on Data* |
|---|---|
| 09:00 – 09:30 | To be filled e.g Moldova strategy (if exist) on usage of satellite data on air, climate, land, water |
| 09:30 – 10:00 | Copernicus high-resolution layers: An Overview (15'+ 15')<br>(high resolution land cover layers, HR Vegetation and Phenology (HR-VPP) and HR Snow and Ice (HR-S&I))<br>*Isabella Greimeister-Pfeil* Environment Agency Austria |
| 10:00 – 10:20 | Copernicus high-resolution layers: Proposal for a pilot case for the training workshop (30')<br>*Isabella Greimeister-Pfeil* Environment Agency Austria |
| 10:20 – 10:50 | Coffee break |
| 10:50 – 12:00 | Moderated discussion |
| 12:00 - 13:00 | Fingerfood and coffee |
| 13:00-15:00 | Further technical discussion on pilot case, implementation challenges and project plan<br>*Experts + Isabella Greimeister-Pfeil* Environment Agency Austria |
| 15:00-15:20 | Coffee break |
| 15:20-17:00 | Further technical discussion on pilot case, implementation challenges and project plan (continued)<br>*Experts + Isabella Greimeister-Pfeil* Environment Agency Austria |
| 17:00 | End of day 2 Departure |

**Group B:**

| | Expert group on CLC |
|---|---|
| 09:00 – 09:30 | Introduction to CLC, main objectives, practice in Europe<br>Barbara Kosztra Lechnerkozpont |
| 09:30 – 10:00 | CLC-change mapping: concept and examples<br>Barbara Kosztra Lechnerkozpont |
| 10:00 – 10:20 | Practicalities of CLC project in Moldova: history, guidelines, and tools<br>Barbara Kosztra Lechnerkozpont |
| 10:20 – 10:50 | Coffee break |
| 10:50 – 12:00 | CLC project implementation in Moldova: available expertise and data, national specifics<br>IngeoCad + Barbara Kosztra Lechnerkozpont |

| | |
|---|---|
| 12:00 - 13:00 | Fingerfood and coffee |
| 13:00-15:00 | Discussion of CLC project implementation in Armenia<br>CLC concept preparation<br>IngeoCad + Barbara Kosztra Lechnerkozpont |
| 15:00-15:20 | Coffee break |
| 15:20-17:00 | Discussion of CLC project implementation in Armenia<br>CLC concept preparation (continued)<br>IngeoCad + Barbara Kosztra Lechnerkozpont |
| 17:00 | End of day 2 |

### About EU4Environment – Water Resources and Environmental Data

This programme aims at improving people's wellbeing in EU's Eastern Partner Countries and enabling their green transformation in line with the European Green Deal and the Sustainable Development Goals (SDGs). The programme's activities are clustered around two specific objectives: 1) support a more sustainable use of water resources and 2) improve the use of sound environmental data and their availability for policy-makers and citizens. It ensures continuity of the Shared Environmental Information System Phase II and the EU Water Initiative Plus for Eastern Partnership programmes.

The Action is implemented by five Partner organisations: Environment Agency Austria (UBA), Austrian Development Agency (ADA), International Office for Water (OiEau) (France), Organisation for Economic Co-operation and Development (OECD), United Nations Economic Commission for Europe (UNECE). The action is co-funded by the European Union, the Austrian Development Cooperation and the French Artois-Picardie Water Agency based on a budget of EUR 12,75 million (EUR 12 million EU contribution). The implementation period is 2021-2024.

### Background for WP 2.2

In the frame of ENI SEIS II East programme Moldova has completed a CLC Pilot study between 2017 and 2020 in the frame of ENI SEIS II East programme. CLC2018 and a CLC-change layer (between 2000 and 2018) were derived by visual photointerpretation of satellite imagery (Sentinel-2, Landsat-5) and ancillary data according to "CLC2018 Technical Guidelines" (10/25/2017) and "Updated CLC illustrated nomenclature guidelines" (09/30/2017) to cover the surroundings of Chisinau (capital) area. During the CLC pilot project computer assisted photointerpretation based on the standard European CLC nomenclature (3-digit code) has been used. A unique situation was in Moldova the existence of the CLC2000 (produced by Technical University of Moldova by using the technology of 2000's), which was planned to apply in the pilot project. The European technical Team for CLC 2018 "Lechner" will accompany the implementation, provide expertise (helpdesk) and will validate the products.

Within the European Copernicus Program several services are made available for the member states. The WS will give an overview on Copernicus land monitoring products and their usage, shall bring an overview of the application of national geospatial data in Armenia and will stimulate the discussion between Armenian and European experts on further use of satellite imagery on the

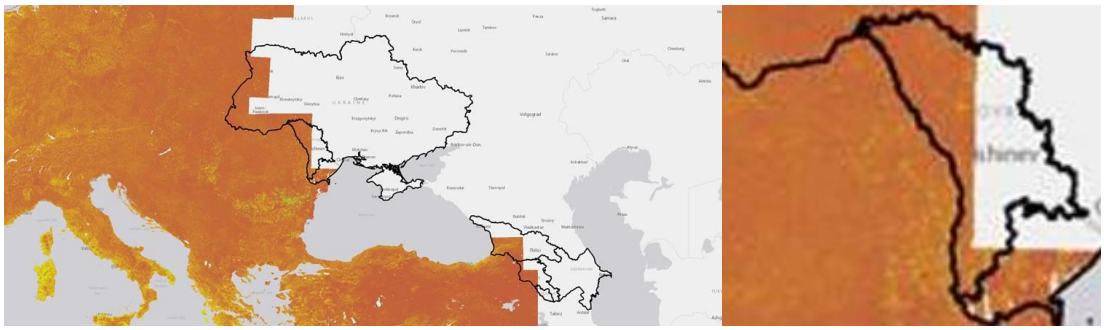
example of High Resolution Vegetation Phenology and Productivity (HR VPP) product in high spatial and temporal resolution. This (HR-VPP) product is based on satellite measurements acquired by Sentinel-2 and represents Vegetation phenology over the growing season for 4 years from 2017 until 2020.

## Workshop objectives, expected outputs and outcomes

**Technical preparatory meeting on the implementation of WP 2.2**

**The meeting focusses on three aspects**

- National implementation of the CLC-Pilot project,
- Joint assessment of available Global and National land monitoring data
- Preparation and decision on a use case in a collaboration project on
  the usage of High resolution data (HRVPP) for national assessments in a pilot area (covered by Europe`s Copernicus HRVPP service)



**HRVPP area (covered by service)** **W Moldova, the available area for a pilot**