



ARSO METEO
Slovenian Environment Agency



DMCSEE
*Drought Management Centre
for Southeastern Europe*

DMCSEE - PAST, PRESENT AND FUTURE

**DMCSEE Expert meeting
Ljubljana, 13 November 2024**

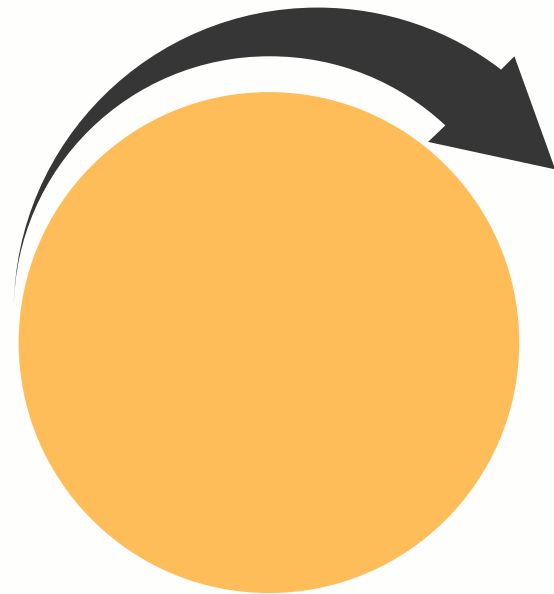
Andreja Sušnik

OUTLINE

MISSION IMPLEMENTATION

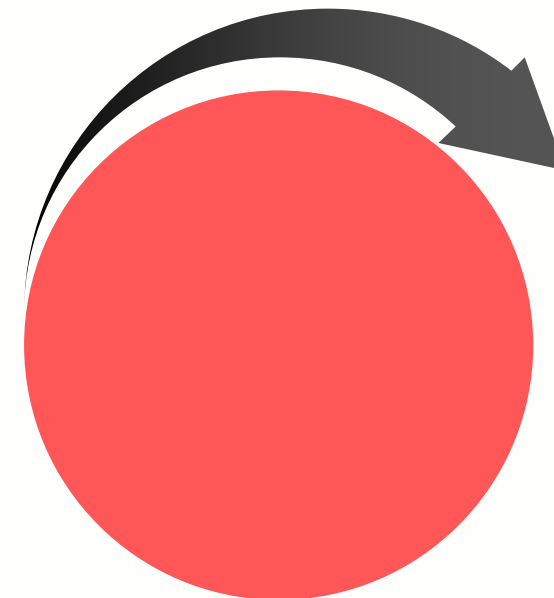
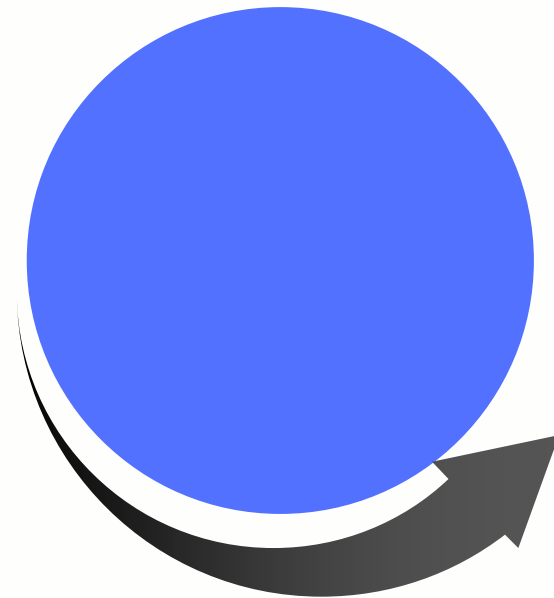
1. Regional drought monitoring
2. Transnational project work
3. Regional capacity building
4. International collaboration

DISCUSSION AND IDEAS FOR COOPERATION

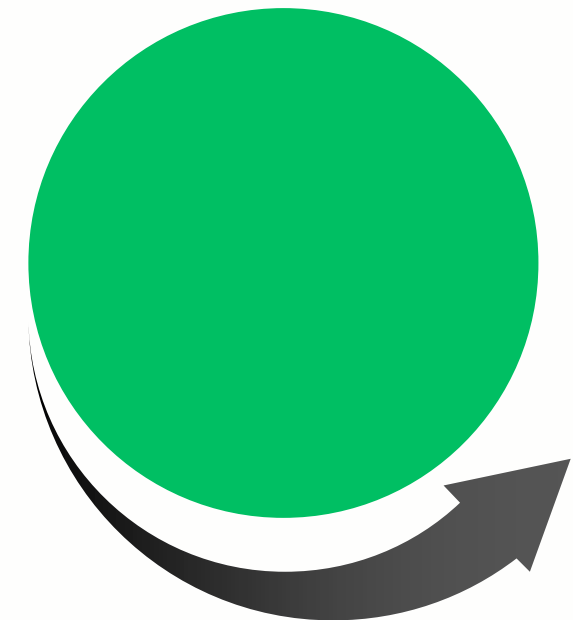


DMCSEE

establishment & mission



**FUTURE
PLANS**



DMCSEE WEBPAGE

 www.dmcsee.org

 Established in 2006

 Founding agencies:
UNCCD, WMO help



 Hosted and coordinated by ARSO  **ARSO METEO**
Slovenian Environment Agency

 Drought community from 13 countries



[ABOUT](#) [COMMUNITY](#) [MONITORING](#) [PROJECTS](#) [NEWS](#) [CONTRIBUTE](#) [CONTACT](#)



**Drought
Management
Centre for
SE Europe**



LATEST UPDATES:

- Monitoring: Drought bulletin - August 2024
- Monitoring: Drought bulletin - July 2024
- Monitoring: Drought bulletin - June 2024
- Monitoring: Drought bulletin - May 2024
- News: 17 June - World Drought Day
- Monitoring: Drought bulletin - April 2023

[Drought monitoring >](#)

[Projects >](#)

[News >](#)

[Contribute !\[\]\(28f72b996fc97883dfd9d4e8b1b16b4e_img.jpg\)](#)

ABOUT US

The DMCSEE mission is to coordinate and facilitate the development, assessment and application of drought risk management tools and policies in Southeastern Europe with the goal of improving drought preparedness and reducing drought impacts.



MISSION

- Development & application of **drought risk-management tools and policies** in SE Europe
 - **Improve drought preparedness to reduce drought impacts** in SE Europe

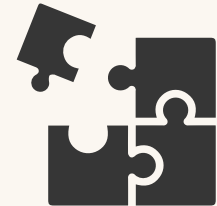
1



Regional drought monitoring

Monthly & seasonal **drought bulletins**

2



Transnational projects

Innovative tools & knowledge transfer

3



Strengthening drought policies and expert capacity

Drought policy recommendations
(national level, regional bodies);
support & organisation of **trainings of national experts**

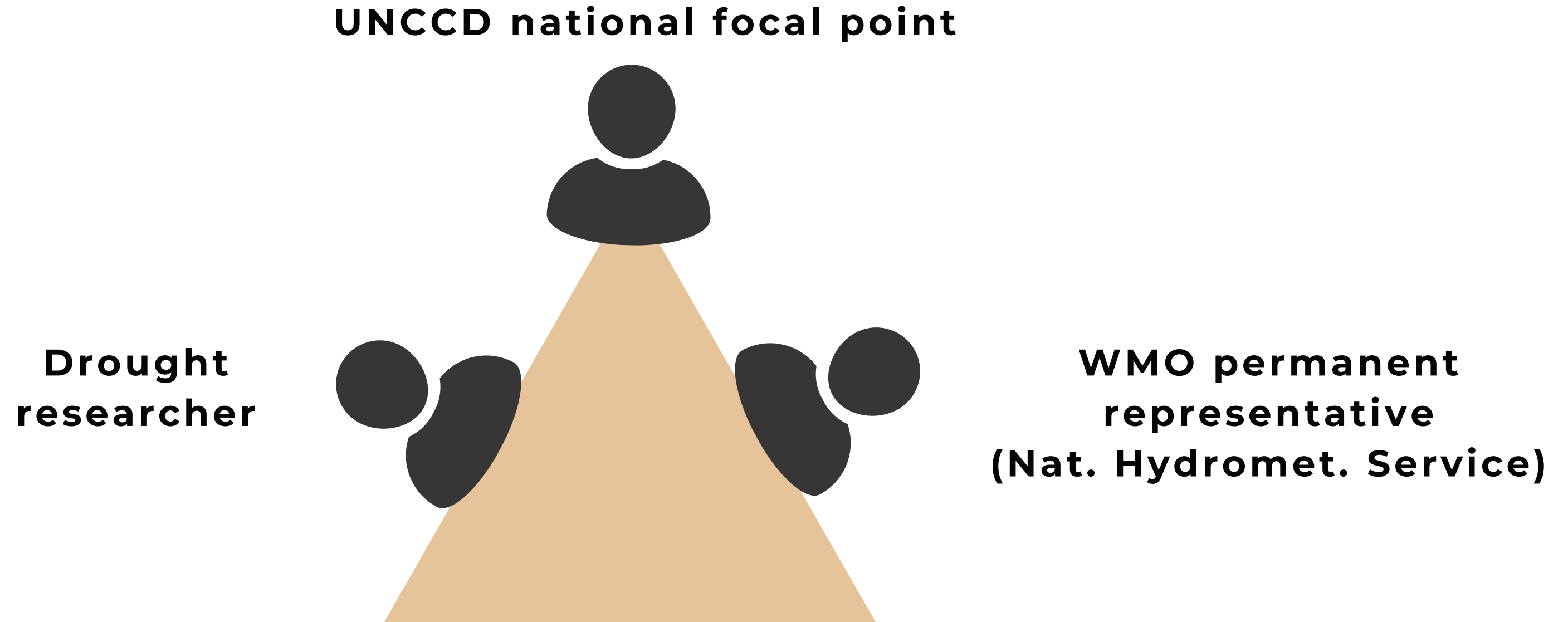
4



International collaboration

Joint activities & **cooperation with WMO, IDMP; Implementation of UNCCD mission**

Initial cooperation structure



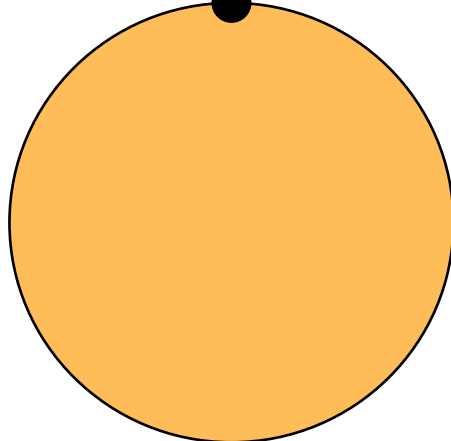
The initial setting:

- **ARSO:** Hosting Institution for **DMCSEE**; responsible for coordination and fundraising,
- **Consortium Countries:** Commitments are not clearly defined or obligatory,
- **Funding:** Primarily secured through transnational projects,
- **The international steering committee:** meetings active till 2016
 - 2016-2019: rotation protocol turned to advisory body
 - 2019- : projects no longer encompass much of DMCSEE region

Project cooperation

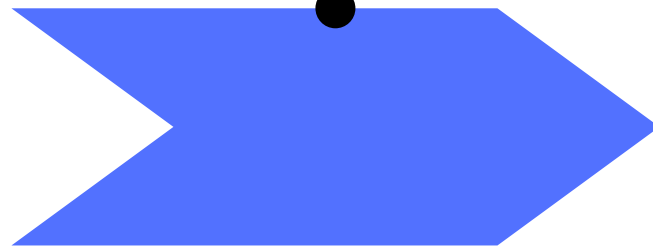
Centre initiative idea
'top down'

2004



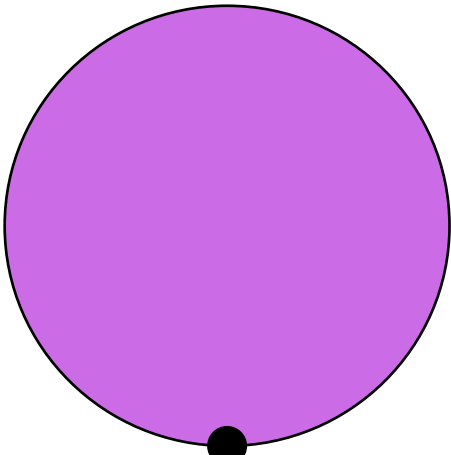
2006

Decision on DMCSEE
host institution
(led by WMO)



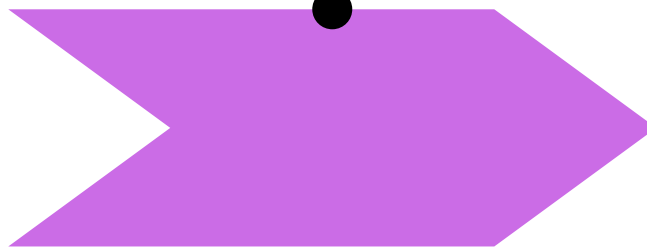
Political commitment
of Slovenian
government
(permanent budget for
DMCSEE governance)

2007



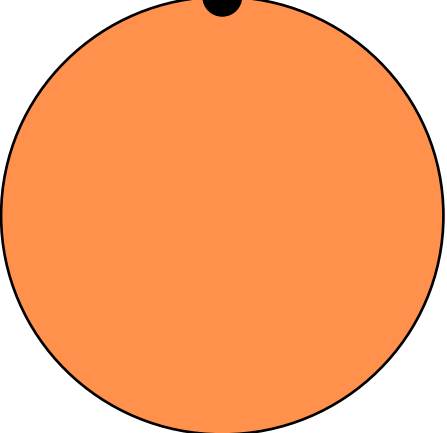
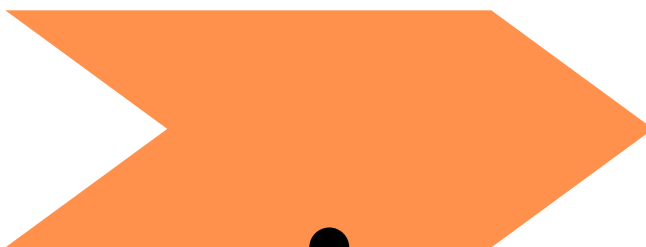
2009 - 2012

DMCSEE project
(TCP South East Europe)
- First joint project under
DMCSEE community
- Setting up regular regional
drought monitoring



Fund rising

2013 - 2025



TIMELINE

Project **DriDanube** (*Danube Transnational Programme*)

- Towards proactive drought management practices
- Regionally harmonized products



Project DRIN (GWP)
2022

Project X-RISK-CC
2022 - 2025

2023 - 2026
Project Clim4Cast

2017 - 2019

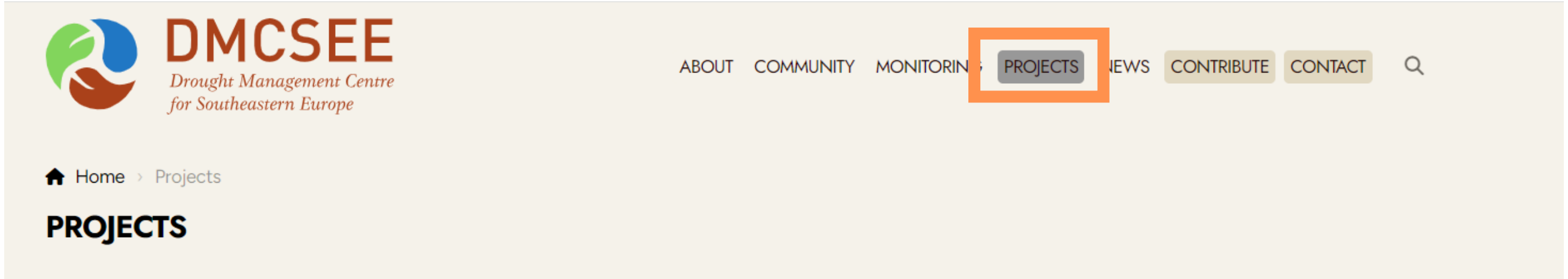
2019 - 2022
Project ADO

2024

Collaboration GWP & ICPDR on transboundary drought management review



PROJECTS



DMCSEE project

APRIL 2009 - MARCH 2012

DMCSEE aimed at coordinated development and application of drought risk management tools and policies. Since definitions and thresholds for drought differed between the countries in the region, the partnership agreed upon an integrated approach combining outputs of meteorological services and information from agricultural institutions. It introduced and continued to provide then-missing regional information on drought situation.



DriDanube project

JANUARY 2017 - SEPTEMBER 2019

Drought Risk in the Danube Region (DriDanube) project aimed at increasing capacity of Danube region to manage drought-related risk, through improving drought emergency response and strengthening the cooperation among operational services and decision-making authorities in the Danube region at national and regional level. The project presented a continuation of work of the DMCSEE community and was built upon a process started within Integrated Drought Management Programme (IDMP).



First joint project of DMCSEE community 2009 - 2012




Joint project via Danube Transnational Programme 2017 - 2019

all outputs available on DMCSEE webpage

Related project in Europe - knowledge sharing



PROJECT ADO

 <https://www.alpine-space.eu/project/ado/>

Alpine drought Observatory



PROJECT X-RISK-CC <https://www.alpine-space.eu/project/x-risk-cc/>

How to adapt to changing weather extremes and associated compound RISks in the context of Climate Change



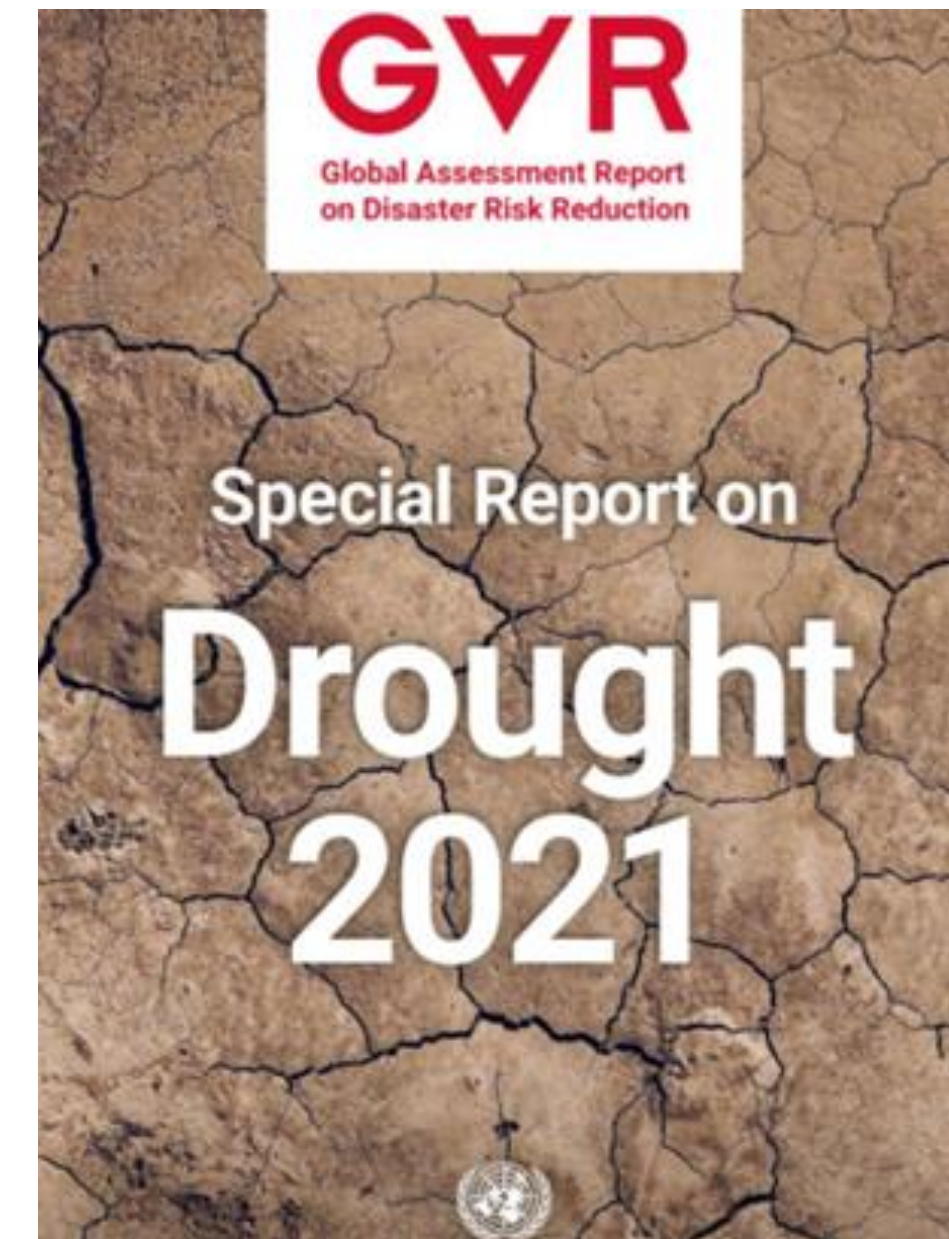
DMCSEE wider community

INTERNATIONAL COLLABORATION and REGIONAL CAPACITY BUILDING

TOWARDS THE SAME GOAL



OUTWARD CONNECTIONS



DROUGHT POLICY RECOMMENDATIONS (NATIONAL LEVEL, REGIONAL BODIES)

- Danube Drought Strategy – applicable framework,
- ICPDR, EUSDR,
- WMO ET Drought.

3

4

DMCSEE wider community




DMCSEE
Drought Management Centre
for Southeastern Europe

INTERNATIONAL COLLABORATION and REGIONAL CAPACITY BUILDING

- **Implementation of UNCCD mission**
 - IDMP principles of proactive drought management,
 - Drought Initiative
 - UNCCD Drought & Desertification Day,
 - Community of Practice ...
- **Joint activities & cooperation with WMO, IDMP**
- Support & organisation of **trainings of national experts**
 - WMO-FAO-EUMETSAT online training course,
 - Drin Basin capacity building small-scale projects,
 - Armenian National Hydrometeo. Service study visit,
 - attending different events.



 WMO Home English (en) ▾

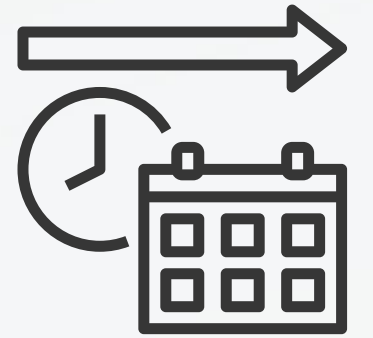
WMO/FAO/EUMETSAT/MeteoRomania Virtual Training Course on the Use of Satellite Products on Drought Monitoring and Applications in Agrometeorology

Enrolment options

WMO/FAO/EUMETSAT/MeteoRomania Virtual Training Course on the Use of Satellite Products on Drought Monitoring and Applications in Agrometeorology

FUTURE PLANS - FOLLOWING THE MISSION

Supporting the development of appropriate policies with the aim of improving preparedness to drought and to reduce impacts of drought

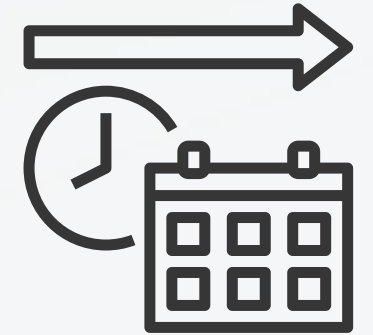


A Optimize regional operations

- Continued implementation of drought monitoring in the region - preparation of monthly & seasonal **bulletins** on state of drought (*discussion on DMCSEE operational work*),
- maintenance of regional drought monitoring products and tools (DroughtWatch (SWI, ASCAT), reanalysis products, FVC index product),
- **further development** of drought monitoring (ARSO plan to process ERA5 Land for regional drought monitoring) and drought impacts catalogues in the framework of existing initiatives (NRN, EDII),
- **connecting** with European Drought Observatory and other **global / regional platforms**,
- **contributing to Drought EWS process** in the frame of World Meteorological Organisation (WMO/EWS4All Initiative, MeteoAlarm).

FUTURE PLANS - FOLLOWING THE MISSION

B Policy

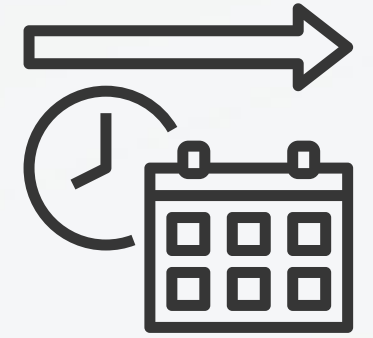


- **Contributing to regional drought resilience in DMCSEE countries through EU (WPIEI Desertification) and annex IV/V UNCCD cooperation:**
 - to turn policy addressing drought into practical implementation on national, regional (global) level,
 - to promote the principles of proactive and integrated drought management to be addressed by developing national (regional) action plans.

C Technological innovations / research

- Agricultural good practice, irrigation strategy (IDMP project),
- further **research requirements** – e.g. remote sensing, quantitative assessment of expectable hydrological changes, impacts on sectors, vulnerability assessment, costs, adaptation alternatives, drought forecast.

FUTURE PLANS - FOLLOWING THE MISSION



D Knowledge sharing and awareness raising & building network

- Drought news / information sharing / campaigns,
- new projects, guiding documents, communication on national and regional level,
- publications (project calls),
- networks, strengthen international partnerships

E Finance

- Searching for financial mechanisms to enable environment for sustainable maintenance of DMCSEE.

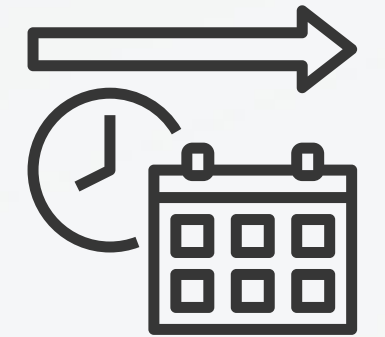
F Governance

- DMCSEE governance transformation – preparation process how to shape a sustainable cooperation model.

FUTURE PLANS - FOLLOWING THE MISSION





Events



- Different events on global / regional level
 - Drought Resilience conference +10, October 2024, Geneva)
 - UNCCD event at CoP Water Convention, 24 October 2024, Ljubljana
 - DMCSEE Expert meeting, 13-14 November 2024, Ljubljana
 - UNCCDCOP 2-13 December, Riyadh?
- Meeting of environmental ministers from Southeast Europe (SEE) held in parallel with the DMCSEE meeting and technical conference, 'Fostering Regional Drought Resilience in SEE', 4-6 February 2025, Brdo, Slovenia



Discussions – Food for thought for the meetings in February




10th session
Meeting of the Parties to the Water Convention
23-25 OCTOBER 2024 | LJUBLJANA | SLOVENIA

Drought in Transboundary Contexts

Issues, Policy and Case Studies

Thursday, 24th October | 08:30 - 09:45 | ROOM 4



SIDE EVENT

PROGRAMME

- I. Key Note 15 mins
State of the Art and COP 16
Daniel Tsegai, Programme Officer, UNCCD
- II. Interactive policy and action dialogue with Experts, Civil Society leaders and government officials and UN/IGO Leaders 60 mins
Panel discussion
 - a. Global Mechanism
Gilles Amadou Ouédraogo, Programme Management Officer, GGW Accelerator | Global Mechanism
 - b. ICPDR
Birgit Vogel, International Commission for the Protection of the Danube River – ICPDR Executive Secretary
 - c. Slovenia
Andrea Susnik, Republic of Slovenia