



# Integrated Drought Management for Central and Eastern Europe

*IDMP Virtual Exchange  
9 June*

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and Eastern Europe

# Integrated Drought Management Programme



- Improve drought monitoring / early warning system
- Unification of drought risk and impact assessments
- Built capacities to monitor, forecast, evaluate and respond, use/communicate
- Integrate drought resilience into decision-making processes

 Regional activities

 National activities

 WMO and GWP

[www.droughtmanagement.info/idmp-activities/](http://www.droughtmanagement.info/idmp-activities/)

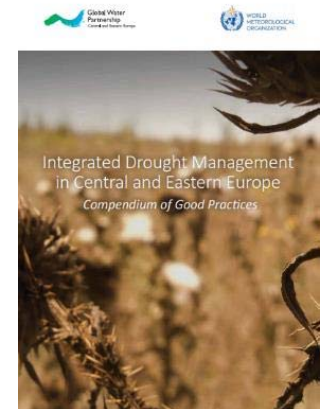


# Integrated Drought Management Programme in Central and Eastern Europe

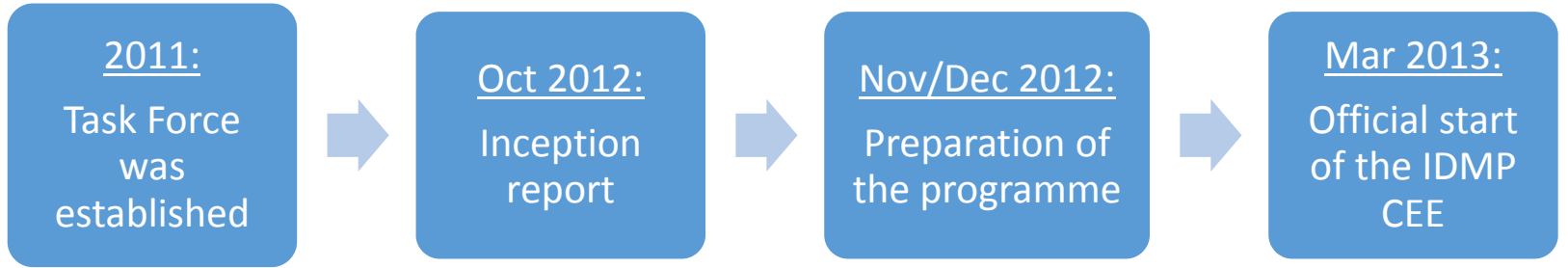
... since 2013

In cooperation with:

- WMO
- Drought Management Centre for Southeastern Europe
- Over 40 different partners from the region
- International organization: EU Strategy for the Danube Region, International Commission for the Protection of the Danube River, International Sava River Basin Commission, Carpathian Convention, European Drought Observatory (JRC)



# Integrated Drought Management Programme in Central and Eastern Europe



to prepare a review of existing drought risks, policies and strategies in CEE countries

to collect regional interest and needs

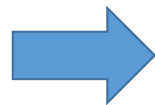
- 10 CWP's & 40 organizations:
- Ministries & state agencies
  - Universities
  - Hydro-Meteo services
  - Research institutes
  - River basins directorates

High Level Meeting on National Drought Policy; Geneva, March 2013



# Integrated Drought Management Programme in Central and Eastern Europe

2013 - 2016:  
1st Phase



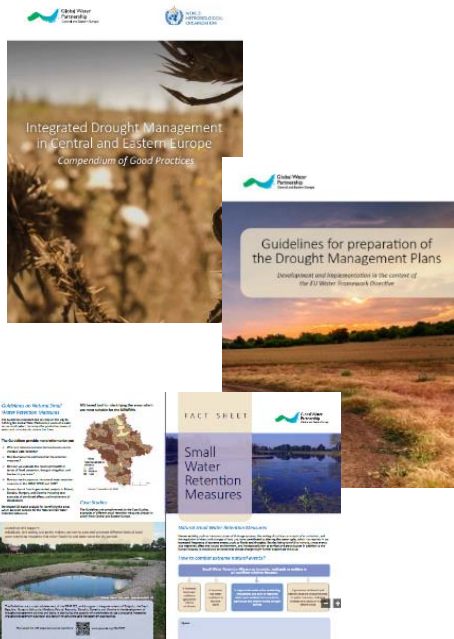
**Communication links** between the experts and policy makers & **Connections and exchange** of information and results between organizations

**Guidance document** and **increased capacity** for the prepare Drought Management Plan

**Over 30 national dialogues**

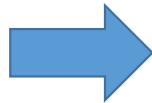
**Collection** of existing drought monitoring approaches and the establishment of a link with European database and monitoring service (EDO, DMCSEE)

**Demonstration of new, innovative approaches** in drought management: **Natural Small Water Retention Measures**, drought in forests, remote sensing data, etc.



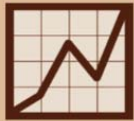
# Integrated Drought Management Programme in Central and Eastern Europe

2017 - 2019:  
2nd Phase



- new partners and stakeholders - hydrometeorological services, government agencies and authorities, farmers, etc.
- programme embeds EU Interreg projects to capitalise on their results and achieve synergies with the global programme

Monitoring  
Early  
Warning



Vulnerability  
& Impact  
Assessment



Mitigation,  
Preparedness &  
Response



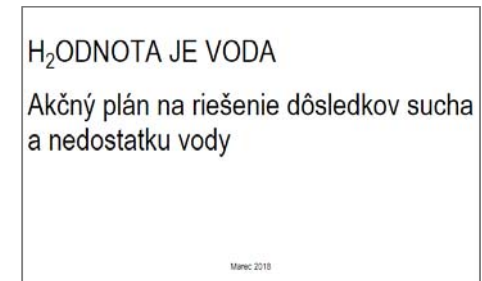
Drought Policies and Plans



## Political will – essential for drought resilience

### Slovak National Action Plan to address the effects of drought and water scarcity (2017)

- Changing thinking (proactive)
- New tools
- Setting an example
- Plan is focusing on preventive, operational, and crisis measures
- cross-section of stakeholders engaged in developing the plan





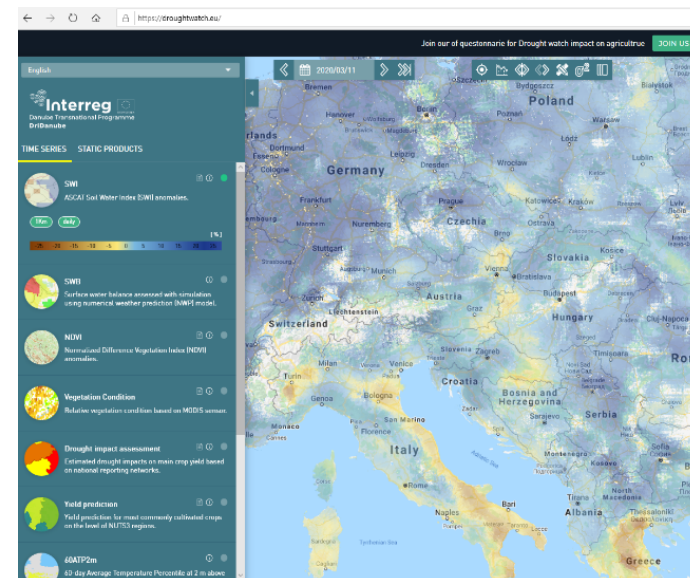
# Highlights 2019 - 2020





## DriDanube project finalization (September 2019)

- Drought Watch - Web-based interactive tool for near-real-time drought monitoring through different drought indices
- National Reporting Networks for agriculture sector - More than 1000 drought impact reporters in the region
- Drought risk maps – unified drought risk assessment among Danube countries



[Drought Watch - what is it?](#)

23 March 2020



23 April 2020



23 May 2020



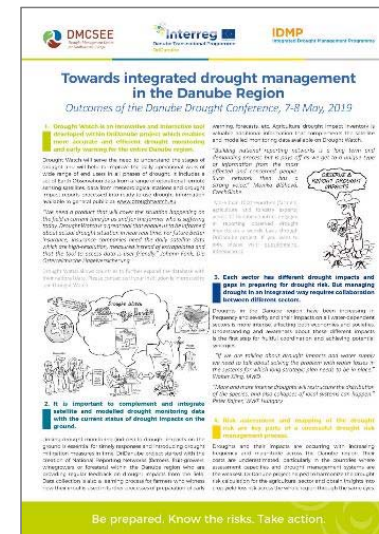
Check Project webpage:  
[www.interreg-danube.eu/driDanube](http://www.interreg-danube.eu/driDanube)

## Outcomes

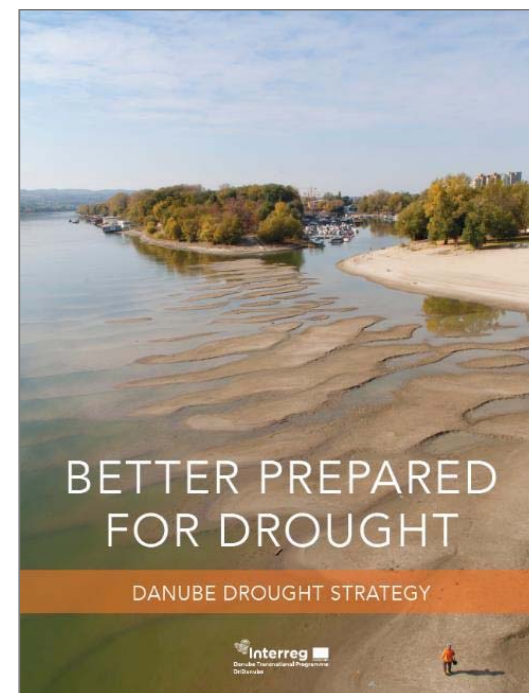
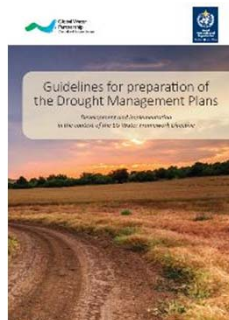
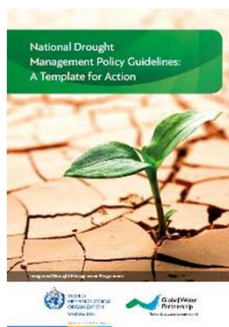
# DANUBE DROUGHT CONFERENCE

7-8 May 2019 in Vienna, Austria

- Jointly IDMP CEE, DMCSEE, DriDanube partners
- 93 participants from 49 organizations
- Discussed the work of the partners in the last couple of years and charting the way forward for the region



# DANUBE DROUGHT STRATEGY



[LINK](#)

## Starting base:

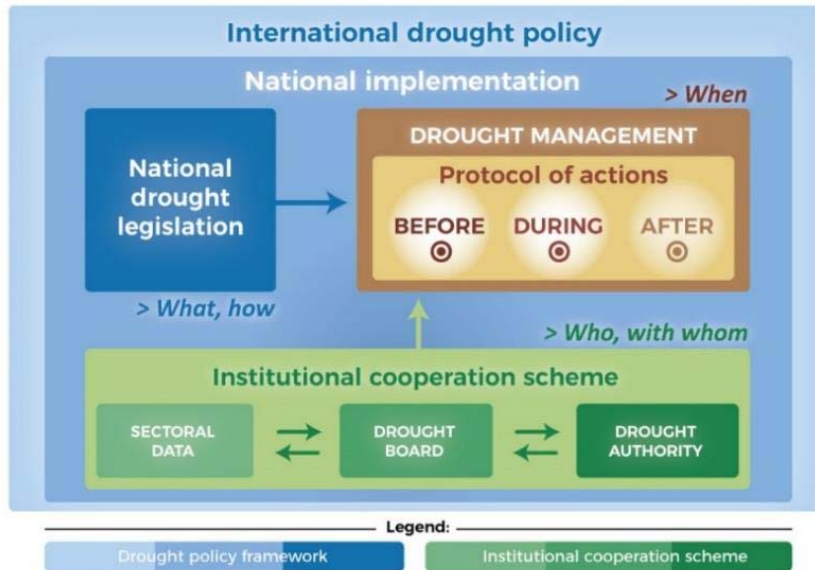
- IDMP: 3 pillars, guidelines for national drought policy
- IDMP CEE Guidelines and activities
- DMCSEE activities
- National state-of-the-art

# DANUBE DROUGHT STRATEGY

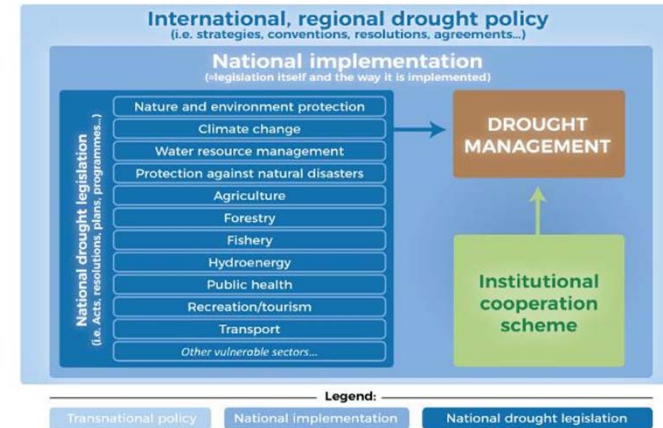
proposed framework for improved drought management  
wider in the region

Core: general concept for improved drought management  
(optimal drought management model - ODMM)

Optimal drought management model (simplified)



Component 1: Drought policy framework



Component 2: Institutional cooperation scheme



## TRAINING: (online) Training on Integrated Drought management for the Drin Transboundary Basin

10-11 March 2020

- Cooperation with GWP Mediterranean, GWP CEE and DMCSEE
- In the framework of the GEF Project “Enabling Transboundary Cooperation and Integrated Water Resources Management in the Extended Drin River Basin”

### Building on the three pillars of IDMP:

- regional experiences and achievements
- needs and challenges for drought management in the Drin river basin region
- forum for discussion among stakeholders from the whole region



## Training on Integrated Drought management

- training can be implemented in other countries or regions
- to increase knowledge and understanding of drought risk management frameworks
- to have greater awareness about effective drought risk management and responses
- to increase knowledge on existing network and practices in wider region
- to build awareness of the institutional mechanism, mobilization and participation in drought disaster management
- to get knowledge on basic steps/foundation for their future drought management policies/plans

*Session 1: About droughts*

*Session 2: Drought Monitoring & Early warning system*

*Session 3: Vulnerability and impact assessment*

*Session 4: Drought Mitigation, Preparedness and Response*

*Session 5: National drought plans*




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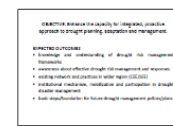
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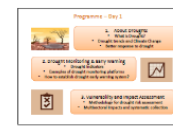
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Sectors	Impacts	Measures in place			Measures needed		
		Preparedness	Mitigation	Emergency	Preparedness	Mitigation	Emergency
Agriculture							
Energy							
Water supply							
Transport							
Tourism							



## How to communicate drought

[LINK](#)

to increase **public awareness** and **understanding of drought** and to **encourage** people to get involved in reducing the risks

### For media:

- what people really need to know about drought, the steps that professionals are taking to reduce the impacts of drought, how people can benefit from engaging in reducing the risks

### For water professionals:

- experiences of working with the media to communicate drought in ways that increase public interest and engagement.

### For both:

- case studies demonstrate how professionals and the media can work together for the public benefit; principles and good practices to help improve communications between water professionals, the media, and the public.



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1. This guide	1
2. What we need to know about drought	1
2.1. What does drought mean?	1
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3. Coping with drought	6
3.1. Crisis management	6
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FUTURE PLANS



## How to communicate drought

**Training Workshop** to bring together water and media (PR) professionals to improve ways of communicating drought to the public





## Revision of the policy instruments and their potential to contribute to EU droughts and water scarcity policies

### Why?

- to identify any of other selected policies in the field of water, agriculture, climate change, energy, industry, transport, nature and biodiversity - complementary and supporting to management of droughts
- an addition to the ***Guidelines for preparation of the Drought Management Plans***

### For whom?

- serves countries with background information for the integration of drought management into most relevant existing policies
- supports the development of a separate (new) drought policy with reference to existing legal frameworks



FUTURE PLANS

Organizing a policy level round table in Brussels together with EUSDR PA5

## Natural Small Water Retention Measures

*Follow up of the IDMP CEE Demonstration project:*  
Framework for improving water balance and nutrition mitigation by applying small water retention measures

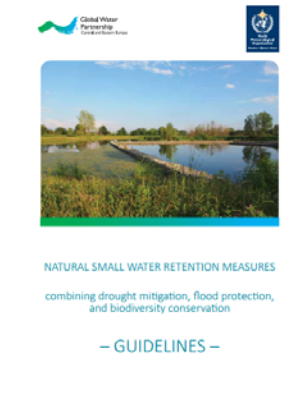
- improve the water conditions in the river basin
- increase landscape resilience against the effects of climate
- preserve biodiversity of habitats that are strongly related to water resources



[Link](#)



[Link](#)



[Link](#)



FramWat FINAL CONFERENCE  
(Online)

9 June 2020

*For more info click [here](#)*

### GIS tools (FroGIS):

<http://WaterRetention.sggw.pl>

*Web application to analyse the needs and possibilities of water retention, the result of which is the valorisation map supporting the N(S)WRM planning process.*

ICPDR identified

“Effects of climate change (drought, water scarcity, extreme hydrological phenomena and other impacts)”

as an additional

Significant Water Management Issue



Support countries to address droughts & water scarcity issues and plan measures in their 3rd River Basin Management Plans for the implementation cycle 2021 to 2027

## Interim Overview: Significant Water Management Issues in the Danube River Basin District



Interim overview on the Significant Water Management Issues to meet the requirements of WFD (Directive 2000/60/EC) Article 14 regarding public information and consultation in preparation of developing the 3rd Danube River Basin Management Plan for the implementation cycle 2021 to 2027.

Document number: IC220  
Version: FINAL  
Date: 19-12-2019

## FUNDRAISING and Future Plans

### Fundraising efforts:

- „Towards Integrated Drought Management in Georgia“ (SlovakAid)
- „Water and Climate in dialogues and actions“ (GWP CACENA; training on IDMP) (IKI Small Grants)

### Future plans:

- Promoting the Training on IDMP
- Cooperating further with EUSDR PA5 on follow up steps of the Policy review
- „How to communicate drought“ training (smaller „test“ training in 3-4 countries)
- Continuation of IDMP (capitalizing on DriDanube) in the north part of the region (e.g. Visegrad proposal)
- Sava Commission – interest in DroughtWatch (cooperation with DMCSEE)
- Cooperation with DMCSEE and UNCCD Drought Initiative
- CACENA region – interest in starting up IDMP Programme
- GWP Mediterranean – continuation of the cooperation (Drin, etc.?)



**Thank you  
for your attention**

[www.gwp.org/GWP-CEE/IDMPCEE](http://www.gwp.org/GWP-CEE/IDMPCEE)

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