

Integrated Drought Management Programme Central and Eastern Europe *Perspectives and Activities*

*Beyond Scarcity - Water Scarcity and Drought Risk Management in the
Danube Region Workshop
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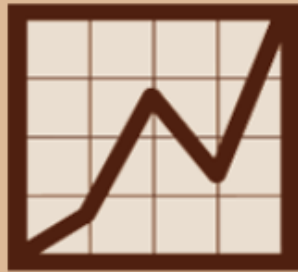
IDMP CEE - Perspectives and Activities

- Integration of drought management issues into national programs, policies and plans
- Capacity for the integrated drought management approach
- Awareness rising and communicating the knowledge gathered
- Demonstration projects

IDMP in Central and Eastern Europe



Monitoring Early Warning



Vulnerability & Impact Assessment

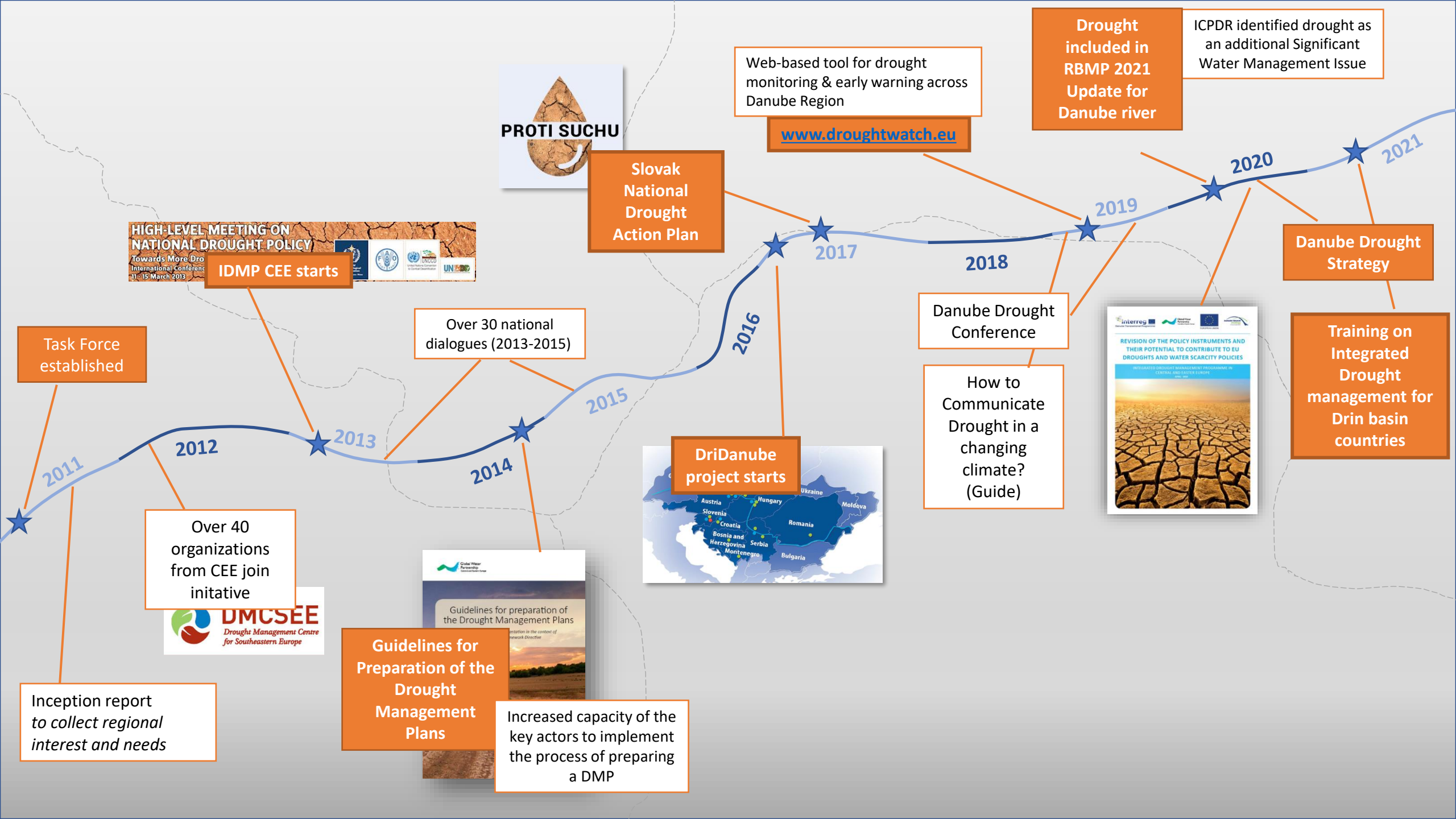


Mitigation, Preparedness & Response



Drought Policies and Plans





Guidelines for preparation of the Drought Management Plans

*Development and implementation
in the context of the EU Water Framework Directive*

Cooperation with national governments to support integration of drought management issues into national programs, policies and plans

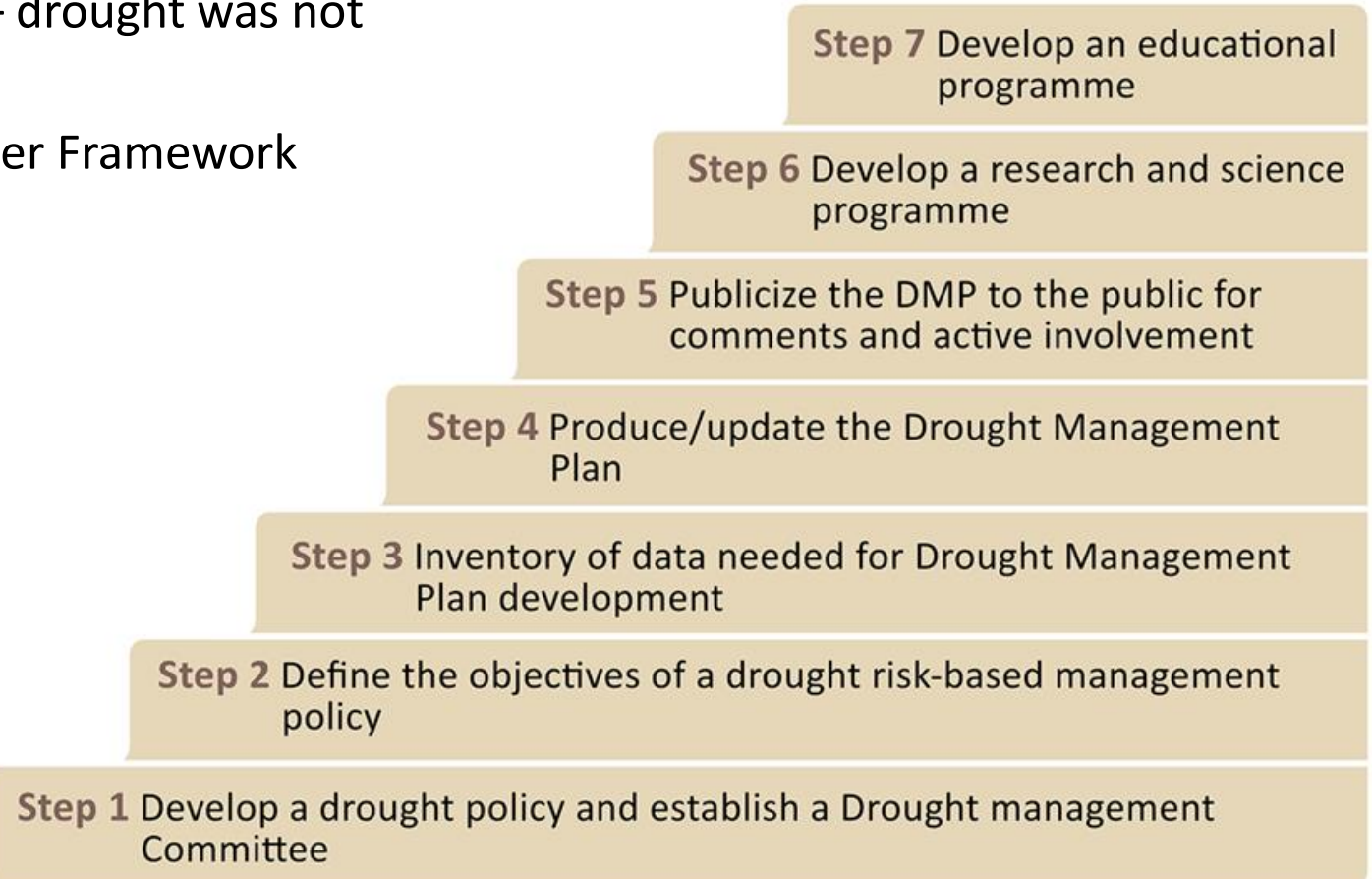
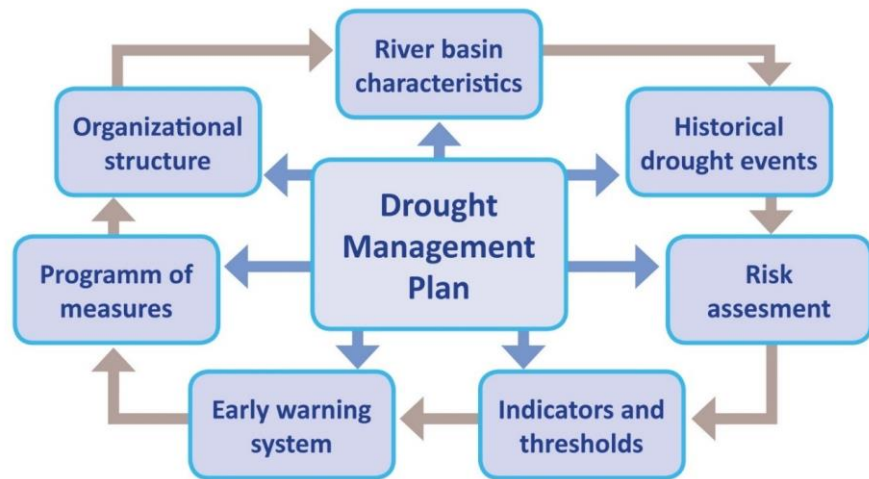
- Step-by-step guidance towards a Drought Management Plan



Step-by-step towards a Drought Management Plan

Main challenges:

- Lack of political will to solve the problem – drought was not considered as a relevant issue.
- Gaps in the implementation of the EU Water Framework Directive (WFD).



Cooperation with national governments to support integration of drought management issues into national programs, policies and plans

Guidelines for preparation of the Drought Management Plans

*Development and implementation
in the context of the EU Water Framework Directive*

- Step-by-step guidance towards a Drought Management Plan
- Slovak National Drought Plan
- Danube Drought Strategy
- Water Scarcity and Drought – SWMI for Danube RBMP

Optimal drought management model (simplified)



Towards integrated drought management in the Danube Region

Outcomes of the Danube Drought Conference, 7-8 May, 2019

1. Drought Watch is an innovative and interactive tool developed within DriDanube project which enables more accurate and efficient drought monitoring and early warning for the entire Danube region.

Drought Watch will serve the need to understand the stages of drought and will help to improve the daily operational work of wide range of end users in all phases of drought. It includes a set of Earth Observation data from a range of operational remote sensing satellites, data from meteorological stations and drought impact reports processed into ready-to-use drought information available to general public at: www.droughtwatch.eu

"We need a product that will cover the situation happening on the field in current time for us and for the farmer who is suffering today. Drought Watch is a great tool that enable us to be informed about actual drought situation in near real time. For future better insurance, insurance companies need the daily satellite data which are high-resolution, measured instead of extrapolated and that the tool to access data is user-friendly." Johann Fank, Die Österreichische Hagelversicherung

Drought Watch allows countries to further expand the database with their national data. Please contact us if your institution is interested to join Drought Watch.



2. It is important to complement and integrate satellite and modelled drought monitoring data with the current status of drought impacts on the ground.

Linking drought monitoring (Indices) to drought Impacts on the ground is essential for timely responses and introducing drought mitigation measures in time. DriDanube project started with the creation of National Reporting Networks (farmers, fruit-growers, winegrowers or foresters) within the Danube region who are providing regular feedback on drought impacts from the field. Data collection is also a learning process for farmers who witness how their input is used in further processes of preparation of early

warning, forecasts, etc. Agriculture drought impact has valuable additional information that complements the satellite and modelled monitoring data available on Drought Watch.

"Building national reporting networks is a long term demanding process but it pays off as we get to a unique of information from the most affected and concerned people. Such network then has a strong voice." Monika Bláhová, CzechGlobe

More than 1000 reporters (farmers, agriculture and forestry experts) across 10 Danube countries engaged in reporting observed drought impacts on a weekly basis through DriDanube project. If you want to join, please visit: questionnaire.intersucho.cz



3. Each sector has different drought impacts and gaps in preparing for drought risk. But managing drought in an integrated way requires collaboration between different sectors.

Droughts in the Danube region have been increasing in frequency and severity and their impacts on all water-dependent sectors is more intense, affecting both economies and societies. Understanding and awareness about these different impacts is the first step for fruitful coordination and achieving potential synergies.

"If we are talking about drought impacts and water supply we need to talk about solving the problem with water losses in the systems for which long strategic plan needs to be in place." Walter Kling, IAWD

"More and more intense droughts will restructure the distribution of the species, and also collapses of local systems can happen." Peter Kajner, WWF Hungary

4. Risk assessment and mapping of the drought risk are key parts of a successful drought risk management process.

Droughts and their impacts are occurring with increasing frequency and magnitude across the Danube region. Their costs are underestimated, particularly in the countries where assessment capacities and drought management systems are the weakest. DriDanube project helped to harmonize the drought risk calculation for the agricultural sector and obtain insight into crop yield loss risk across the whole region through the sar

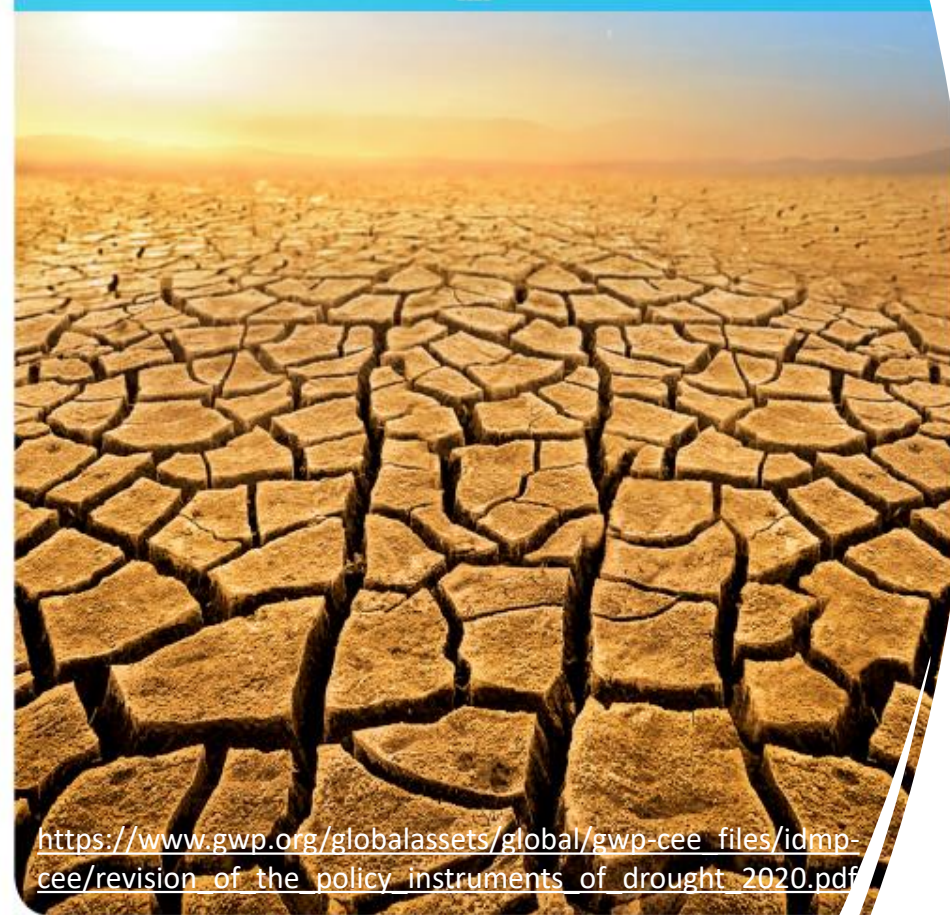
Increased capacity of the key actors for the integrated drought management approach

- National Consultation Dialogues
- DriDanube seminars / trainings
- Danube drought conference in 2019
- Capacity building training for the IDM approach



REVISION OF THE POLICY INSTRUMENTS A THEIR POTENTIAL TO CONTRIBUTE TO EU DROUGHTS AND WATER SCARCITY POLICIES

INTEGRATED DROUGHT MANAGEMENT PROGRAMME IN
CENTRAL AND EASTERN EUROPE
2020



[https://www.gwp.org/globalassets/global/gwp-cee_files/idmp-
cee/revision_of_the_policy_instruments_of_drought_2020.pdf](https://www.gwp.org/globalassets/global/gwp-cee_files/idmp-cee/revision_of_the_policy_instruments_of_drought_2020.pdf)

Increasing awareness of drought issues in the region and communicating the knowledge gathered

- Raising awareness activities among public, youth, decision makers, etc.
- „How to communicate drought“ guide
- Revision of the EU policy instruments, related to drought and water scarcity mitigation

[https://www.gwp.org/globalassets/global/gwp-cee_files/idmp-
cee/how-to-communicate-
drought-guide.pdf](https://www.gwp.org/globalassets/global/gwp-cee_files/idmp-cee/how-to-communicate-drought-guide.pdf)





NATURAL SMALL WATER RETENTION MEASURES

combining drought mitigation, flood protection,
and biodiversity conservation

— GUIDELINES —

https://www.gwp.org/globalassets/global/gwp-cee_files/idmp-cee/idmp-nswrm-final-pdf-small.pdf

Demonstration of different approaches in drought management: Natural Small Water Retention Measures

- Improvement of water balance
- Resilience to floods and droughts (adaptation to CC)
- Pollution mitigation
- Contribution to WFD, Green Deal, SDGs, ...
- Multiple environmental benefits

Best Combination
How to Plan
Optimal Location
Effectiveness
Link with RBMP
Effectiveness
Best Combination
Step-by-Step Processes
Effectiveness

Way forward for IDMP in CEE

- Support multi-sectoral, multi-level stakeholder engagement and communication
- Transfer and exchange of experiences between countries and neighbour regions
- Raising awareness / sharing knowledge
- Facilitate development of national drought policy based on the principles of „three-pillar“ (IDMP) approach.

The background of the slide is a photograph of dry, cracked earth. A single, dried, brown leaf lies on the ground in the lower right quadrant. The lighting is bright, creating soft shadows and highlighting the texture of the soil and the veins on the leaf. An orange semi-transparent rectangle is positioned on the left side of the image, containing white text.

**Thank you
for your attention**

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