



## *Changing minds on drought management*

A step wise approach and the  
economic case to drought planning  
in Central and Eastern Europe

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World Water Week, 28 August 2018*

# Towards Drought Action Plan

## Background

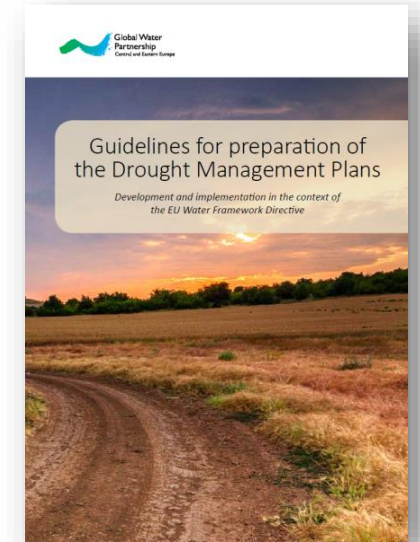
- past droughts with significant impacts in 2003, 2007, 2012
- significant droughts in 2015 (the worst in more than 100 years) and in 2017 (farmers in 5 regions claim 37.2 M€ damage and compensation, 100 farms or individual farmers and 2800-3000 jobs effected).
- both last droughts raised awareness and concerns about drought impacts and the opportunity to use structural funds for proactive drought management
- increasing number of key sectors affected (agriculture, forestry, water supply, etc.)
- ... *“government wants to be prepared if it is happens again”* ...



# Towards Drought Action Plan

## Background

- IDMP CEE Programme since 2013 – *Guidelines for preparation of the Drought Management Plan within the RBMP*
- 3 rounds of the National Consultation Dialogues
- Plan is in line with existing agendas, policy documents:
  - Water Plan of the Slovak Republic
  - Adaptation Strategy of the Slovak Republic on Adverse Impacts of Climate Change
  - Council Conclusions on Sustainable Water Management
  - Inspiration was from the Czech Republic, e.g. rainwater harvesting programme Destovka





# Step-by-step process of preparation

STEP 1 - Intergovernmental drought working group was established (Summer 2017)

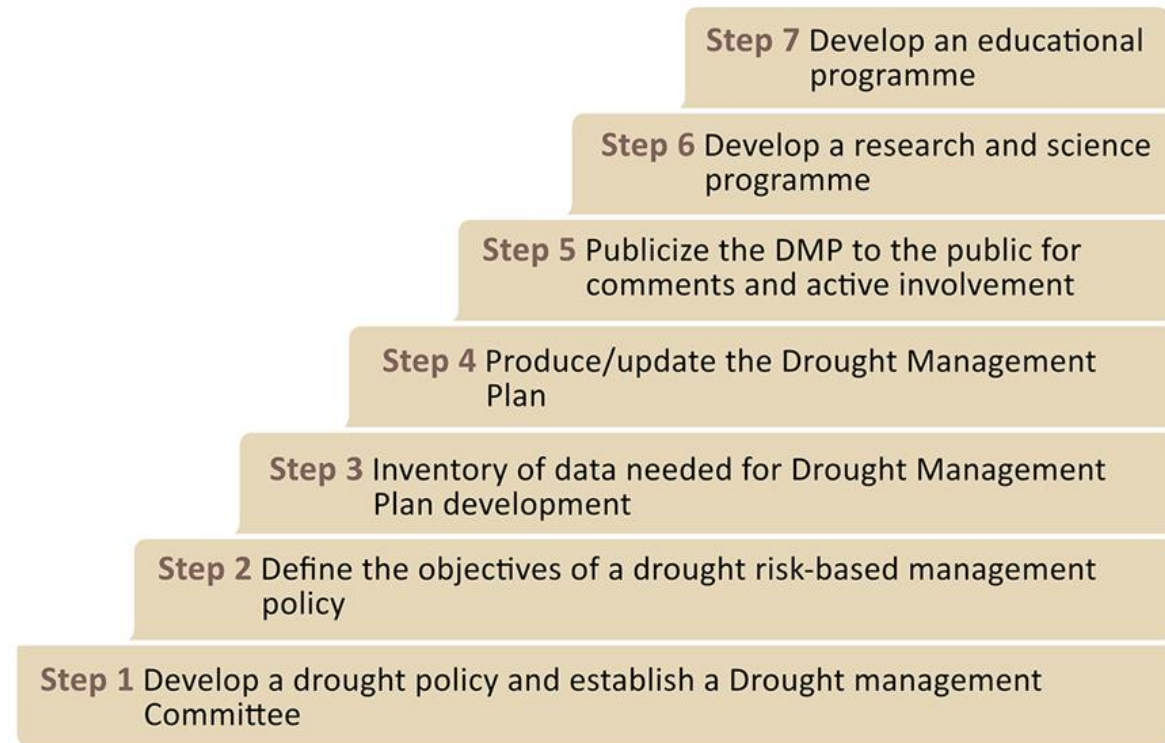
STEP 2 - Objectives of the Drought Action Plan were defined by the working group (September 2017)

STEP 3 - Data gaps and uncertainties were identified in the Action Plan

STEP 4 - Action Plan developed (September 2017)

STEP 5 - Public consultation in February 2018,

STEP 6 & 7 - research and educational measures proposed in the Action Plan



Officially adopted –  
March 2018

# Plan in action

## CONTENT:

- Goal
- General information and definitions
- Historical droughts
- Measures
  - Preventive - agriculture: restoration of melioration channels and modernization of irrigation systems, forestry: change forest structure towards better climate change resilience, urban landscape: rainwater harvesting, water management: construction of small water reservoirs (ponds), their reconstruction, research and environmental education
  - Operational - extension of the monitoring network
  - Crisis - crisis plan to supply water to different sectors of national economy during prolonged drought
- Organizational setup and budget

**„Value of H2O“**  
*Action plan to tackle  
drought and water  
scarcity*

## H<sub>2</sub>ODNOTA JE VODA

Akčný plán na riešenie dôsledkov sucha a nedostatku vody

Marec 2018

14. marca 2018

Investície do opatrení proti suchu pomôžu zlepšiť životné prostredie

Na snímke vpravo minister životného prostredia SR László Sólymos prichádza na rokovanie 92. schôdze vlády Slovenskej republiky v Bratislave 14. marca 2018.

Like 0

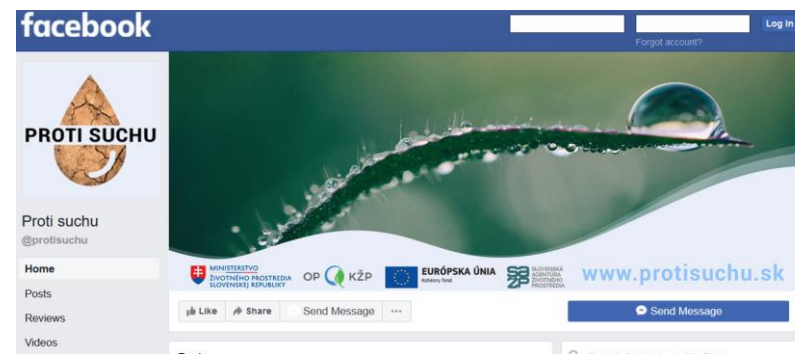
Zdieľať



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# As a support to BACI process

- Estimation of the implementation costs for all the measures in different sectors - 140 millions EUR
- Analysis of benefits is missing (uncertainties regarding long-term effectiveness of the measures)
- As a follow-up, nation-wide drought campaign started in the summer <https://www.protisuchu.sk/>; <https://www.facebook.com/protisuchu/>

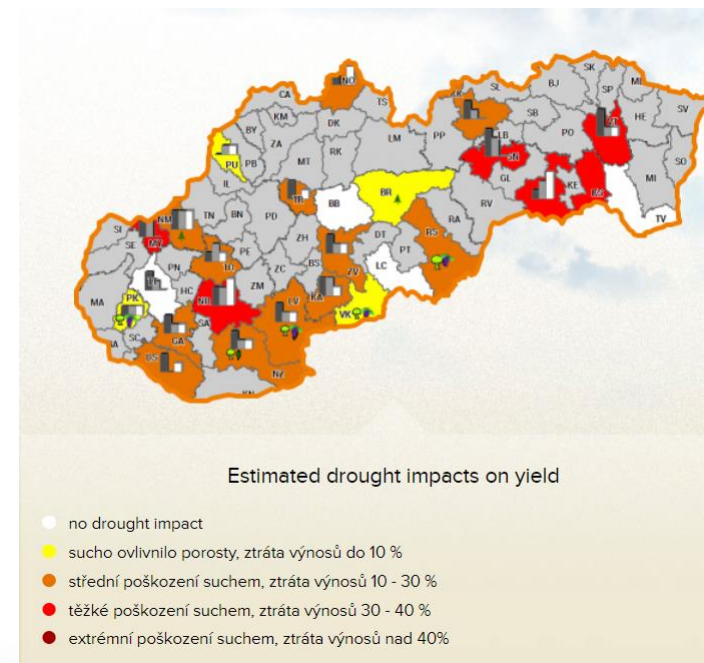


# As a support to BACI process & implementation of the Drought Action Plan

## Drought Risk in the Danube Region – DriDanube



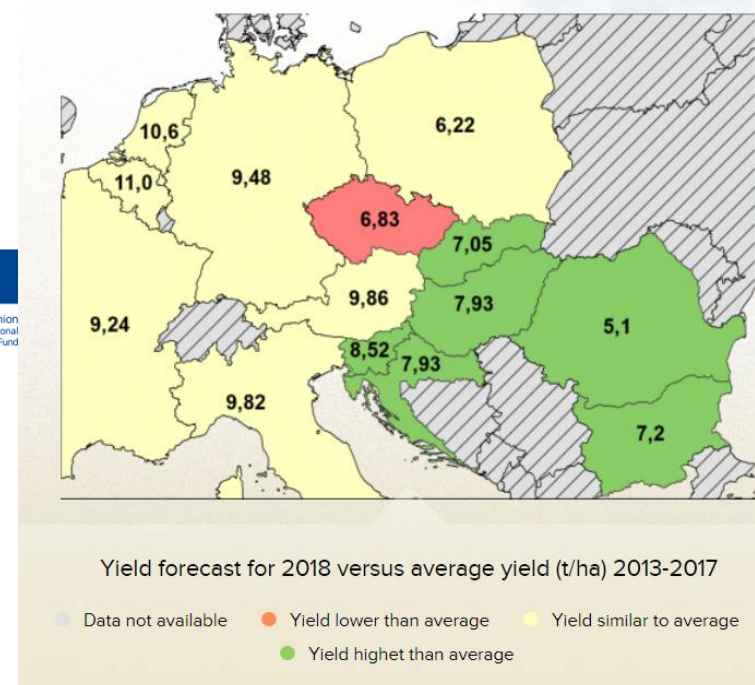
- Exchange with other countries in the Danube region
- Vulnerability assessment
- Impacts assessment / impact reporting & forecast



## Framework to improve water balance and nutrient mitigation by applying small water retention measures (FramWat)



- Location, effectiveness and cost analysis of multi-natural water retention measures on river basin







# Thank you for your attention

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