

3rd NATIONAL CONSULTATION DIALOGUE Bulgaria

1. General Data

Country:	Bulgaria
Organizers:	GWP CEE and GWP-Bulgaria (back to back with 23 rd National celebration of World Water Day in Sofia)
Date & Place:	22 March 2016 (Conference halls 2, 3 and 4, Federation of Scientific-Technical Union in Bulgaria, 108 Rakovsky Bld., Sofia) 24 March 2016 (Conference hall 205, Block A, University of Architecture, Construction and Geodesy, 1 Hristo Smirnensky Bld., Sofia)
Participants (institutions)	22 March – about 200 participants from public and private sector, universities, institutes, NGOs, media, stakeholders of which 30 participants below 35 years old 24 March –77 students and 20 professors/experts
Attachments	Lists of participants and photos

2. Objectives & Agenda

Main objective of the 3rd NCD (which processes are you targeting)	
The main objective of the 3 rd NCD is to encourage the responsible institutions for updating the 2001 Drought Programme and establish the Drought Management Plan according to scenarios of IPCC AR5 used in IDMP CEE and good drought practices in the region.	
How will the 3rd NCD contribute to the development of the Drought Management Plan?	
Third NCD introduced the seven steps of DMP establishment according to IDMP Guidelines to the broader expert community, decision makers, researchers, students, media etc. Special publications in Bulgarian magazines have been published on the topic.	
Programme of the 3rd NCD	
22 March 2016	
10 h – Opening ceremony	
10.00 – 11.00 h – Forwards on behalf of Deputy minister of environment and water, President of National Scientific-Technical Union of Water Affairs in Bulgaria, Chair of Dams Association and Director of Hydromelioration Ltd Forward on behalf of Richard Muller – Regional coordinator of GWP CEE, <i>Gergana Majercakova</i>	

11.00 h –Presentation of GWP CEE: adaptation to future droughts – guidelines and good practices- *Gergana Majercakova, Galia Bardarska*



Dissemination of fact sheet „Step-by-step guidance towards Drought Management Plan“, brief survey, Water Affairs magazine 1 /2, 2016, with drought publication and advertisement of 3 books of IDMP CEE: guidelines on DMP and small retention measures, case studies etc.



13.00 h – Session : Hydromelioration – factor for sustainable agriculture in the context of drought

Mediator: Assoc. prof. Nely Gadjalska, Ph.D.

Draft strategy for development of hydromelioration - basics and flagship projects – *Assoc. prof. Petar Filkov, Ph.D.*

Guidelines for preparation of plan for overcoming of the drought risk in agriculture – *GWP CEE (Gergana Majercakova, Galia Bardarska)*

Risks with preparation and management of investment projects in hydromelioration sector – *Assoc. prof. Rossitsa Petrova, Ph.D.; Assoc. prof. Nely Banishka, Ph.D.*

Adaptation models for irrigation of agrocultures – *Chief assiss. Vesela Branicheva, Ph.D.; Dipl. eng. Todor Tashev; Dipl. eng. Viktoria Kancheva; Assoc. prof. Nely Gadjalska, Ph.D.*

Irrigation regimes in a changing climate in Northern Bulgaria – *Prof. Zornitsa Popova, Ph.D.; Chief assiss. Maria Ivanova, Ph.D.*

Development of an interactive computer program for designing a drip irrigation system for small areas in GUI-MATLAB – *Assoc. prof. Nina Filipova, Ph.D.*

15.00 h - Coffee break

Mediator: Assoc. prof. Nely Banishka, Ph.D.

Constructive solutions for control of bottom sediments in irrigation systems - *Chief assiss. Vesela Branicheva, Ph.D.*

Evaluation of operating losses and selecting an appropriate strategy for effective management of irrigation canal using a hydraulic model – *Assoc. prof. Galina Patamanska, Ph.D.; Chief assiss. Elena Grancharova, Ph.D.*

Influence of the heterogeneity of the physical properties of diluvial meadow soil on moisture security of sowing sunflower – *Assiss. Stanimir Stoynev; Chief assiss. Emil Dimitrov; Asooc. prof. Vera Petrova, Ph.D.; Assoc. prof. Milena Kercheva, Ph.D.*

Perspectives for ecological-biological agriculture irrigation – *Prof. Illya Christov*

Effective water-saving technologies to create optimal conditions for micro-irrigation of raspberries - *Chief assiss. Vesela Branicheva, Ph.D.*

Current agro-meteorological conditions and the need for the development of irrigated agriculture in Bulgaria – *Prof. Valentin Kazandjiev, Ph.D.; Assoc. prof. Veska Georgieva, Ph.D.; Asooc. Prof. Milena Moteva, Ph.D.*

13.00 h – Session: Design, construction and operation of dams and tailings

Mediator: Prof. Dimitar Toshev

Development of the project for dam " Yadenitsa " – *Dipl. eng. Anni Christova*

Construaction of dam „Plovdivtsi“ – *Dipl. eng. Valentin Anastasov; Dipl. eng. Nikolay Popov*

The importance of public state property in reservoirs under the Water Act – *Vladimir Stratiev*

Dam " Tsankov Kamak " - five years operation – *Department „Dams and cascades“ at National Electricity Company (NEC) etc.*

16.00 ч. – Coffee break

24 March 2016

Session: Youth scientific water session

3. Report

Report (max 2000 characters)

short description of the 3rd NCD

The main discussion at opening, hydro-melioration and dams sessions circled around the following topics:

- Is there any need of independent DMP or is it better to be part of RBMPs?
- Is there any need for changing the irrigation norms regarding the current/forecasted drought conditions?
- How to use small reservoirs and lakes in drought period instead of their destruction?

During the discussions and in the survey the participants supported the development of a DMP according to the suggested seven steps within the frame of the RBMPs. The experts also discussed the need for a drought committee and the possible implementation of some measures featured in the IDMP CEE Guidelines. It was acknowledged that there is need to have new structures in the country to effectively meet the challenges of the climate change. It was also pointed out that more active collaboration among sectors is essential for a sustainable management of the water resources.

There was a lively discussion on the presented project on a „Draft Common Strategy for Management and Development of Hydro-melioration and Protection against Harmful Effects of Water in Bulgaria“, sponsored by the World Bank, which is based on old irrigation standards. Other experts suggested a new normative base for irrigation in accordance with the new drought tendencies – up to 30-40 mm increase of evapotranspiration in the agricultural regions. These means there is a clear need of increase in the irrigation norm.

Another final product of IDMP CEE was presented - the Guidelines on Small water retention measures. Many good and concrete examples of small water retention measures from Hungary, Poland, Slovakia and Slovenia are collected in the Case Studies and the publication is considered to be of a great help to other countries. Example, in Bulgaria many small reservoirs have been destructed after flood damages as a result of their very bad maintenance.

Students from University of Architecture, Construction and Geodesy showed how competent they are in the adaptation issues to the drought using different eco-technology for „circular economic“. According to

their interest to the GWP materials and other water issues, GWP-Bulgaria will make a donation with many water books in April.

Outcomes

Since January 2016, the GWP-Bulgaria disseminated the DMP guidelines to different institutions as well as to the experts of the Ministry of Environment and Water (MOEW) who are responsible for WFD/RBMPs implementation. Also, MOEW is coordinating body for development of a National Adaptation Strategy (NAS) and Action Plan which are under preparation according to the Commission staff working document „Guidelines on developing adaptation strategies“. Brussels, SWD (2013) 134 final, 16.4.2013. Without any common adaptation framework, a number of sectoral adaptation measures have been undertaken amongst the national authorities (Ministry of agriculture and food, Ministry of regional development and public works, Ministry of economy, energy and tourism etc.). The Basin Directorate for Water Management – East Aegean Region, Basin Directorate for Water Management – West Aegean Region, Basin Directorate for Water Management – Danube Region and Basin Directorate for Water Management – Black Sea Region are regional water management departments of MOEW. They have been undertaking measures to tackle droughts as defined in their respective management plans (RBMPs 2016-2021), along with measures for preserving and preventing the river basins and Black sea from pollution.

The following publications have been done:

Bardarska G. 2016. National strategy and action plan against the impact of climate change focusing drought. Water Affairs 1/2, 32-40 (in Bulgarian)

GWP CEE. 2016. Guidelines for preparation of the Drought Management Plans in the context of the EU Water Framework Directive. Ekology 21, 1/2, 16-19 (in Bulgarian and English)

Bardarska G. (in press). Press information about water conferences on March 22/24. Bulletin „NO“ of Federation of Scientific-Technical Union, Sofia (in Bulgarian)

Next steps

What were the next steps agreed on the NCD?

There is no need of independent National Drought Management Plan. It will be part of RBMPs 2016-2021 and National Adaptation Strategy with Action Plan. The precipitation scenarios developed by IDMP CEE experts will be taken into account as well as 7 steps for establishment of DMP. In parallel, some water standards have to be up-dated regarding the current/forecast drought conditions (example, irrigation norms for different agricultures).