

Training within demonstration project
**Drought Risk Management Scheme:
a decision support system (IDMP CEE Act. 5.4)**
Meeting minutes

Wroclaw, Poland, 27 – 29 November 2013

28 November 2013

At the beginning of the meeting the activity leader of the project welcomes all participants and after their short introduction the training was realised according to the schedule.

During the first day of the training the following presentations were declaimed:

1. Tamara Tokarczyk (IMWM NRI Poland): *Activity 5.4 Drought Risk Management Scheme: a decision support system.*

The basic information about activity 5.4. *Drought Risk Management Scheme: a Decision Support System* were presented by the activity leader, especially:

- the main objective of the activity,
- contributing organizations and experts,
- outputs and milestones,
- partner's tasks,
- schedule of milestones,
- progress on ongoing work,
- implementation plan.

For partners it was possibility to learn how project is planned to be realised.

2. Elena Mateescu (NMA), Catalin Simota (NRISSAE- ICPA Bucuresti), Gheorghe Stancalie (NMA), Liviu N. Popescu (GWP Romania): *Integrated Drought Management Program in Central and Eastern Europe, Training within demonstration project, Drought Risk Management Scheme: a decision system, Task 1: Measures for the assessment of susceptibility and vulnerability to drought, 1.1. Identification of the national measures for drought susceptibility (drought hazard) assessment, 1.2. Identification of the national measures for drought vulnerability assessment, DRAFT REPORT - 30 November 2013.*

The proposed structure of report for milestones 1.1. and 1.2. was presented.

The example methods of drought assessment used in Romania were described, like for example:

- drought indices (SPI, Soil Moisture Reserve, heat wave, ESAI - the index of ecosystem sensitivity to desertification processes),
- drought risk maps,

- drought monitoring and assessment using Remote Sensing and GIS methods - satellite-derived parameters and products which are useful for agroclimatic analysis for drought study, for example: NDVI, NDWI and NDDI maps,
- ROIMPEL simulation model as climate quality index.

The increased need of exchange of information concerning drought assessment and identification was emphasized.

Moreover the drought impact on many economic sectors was evaluated in the context of vulnerability assessment of drought, especially taking into account the probable effects of climate change and necessity to adapt to it.

3. Wiwiana Szalińska (IMWM NRI Poland): *IDMP: Activity 5.4, Output 3, Framework for Drought Risk Management Scheme, Milestone 3.1 Drought Risk Management Scheme for Odra River.*

The effects of efforts concerning milestone 3.1. Drought Risk Management Scheme for Odra River were described in details. The aim of the above mentioned scheme is the Development of comprehensive, multipurpose system for drought risk management, ready to run in operational mode. So some aspects of drought management (present state) in the Odra river basin were presented, like: monitoring network, the usage of some drought indicators (SPI, EDI, SRI, FDC), the trials of drought hazard assessment implementation, drought prediction and early warning. As summary of the presentation the requirements for the present scheme development were indicated.

4. Leszek Łabędzki (Institute of Technology and Life Sciences, Poland): *Agricultural drought hazard assessment in Poland.*

The presentation was directed to the agricultural drought evaluation, including: existing nationally applied indicators and methods to identify and characterize the magnitude, spatial extend, duration, frequency and trends of agricultural drought; examples of their application; systems of monitoring agricultural droughts. Climatic and agro-climatic water balance, Standardized Climatic Water Balance, water deficits of crops, Soil Moisture Index SMI, Crop Drought Index CDI and Crop Yield Reduction YR were described in details. Moreover two website systems for agricultural drought estimation were characterized:

- the Drought Monitoring System for Poland (ADMS) realised by Institute of Soil Science and Plant Cultivation - State Research Institute,
- monitoring and forecasting water deficit and surplus in agriculture performed by Institute of Technology and Life Sciences.

5. Elena Fatulova (GWP Slovakia): *Act. 1.2 Review of the current status of the implementation of DM plans and measures within RBMP according to EU WFD.*

The main aspects of drought management according to European Union policy were presented. Two basic terms – drought and water scarcity – were distinguished and all documents connected to them were characterized. The realised actions to review of the current status of the implementation of drought management plans using questionnaires and e-mail communication were described – especially the structure of the questionnaires was characterized. The questionnaires were delivered to some GWP countries (Slovakia, Czech Republic, Hungary, Poland, Lithuania, Romania, Bulgaria, Ukraine, Moldova and Slovenia) – their results will give possibility to learn about drought policy realisation in Central and Eastern Europe.

6. Elena Fatulova (GWP Slovakia): *Act. 2.1 & 2.2: Guidelines for Drought Management Plan & National Consultation dialogues.*

The main rules for activity 2.1. (guidelines for drought managements plans) and 2.2. (national consultation dialogues) were presented. All organisational aspects of the activities were described, like: objectives, tasks, principles, basis, timetable, partners, budget etc. General guidelines for drought management plans – EC Guidelines *Drought Management Plan Report including Agricultural, Drought Indicators and Climate Change (WS&D EG – CIS proces)* and WMO Guidelines *Guidelines for National Drought Management Policies and Preparedness Plans (Donald A. Wilhite, University of Nebraska-Lincoln, U.S.A)* were characterized in details.

29 November 2013

The discussion and description of on-going work in the frame of performing activity was the subject of the second day of the training.

The list of main definitions and terminology used in the activity was prepared to avoid misunderstanding.

Besides the structure of report of milestone *1.1. Identification of the national measures for drought susceptibility (drought hazard) assessment* and milestone *1.2. Identification of the national measures for drought vulnerability assessment* was discussed and established to the final form.

Deadlines:

10 December 2013 –parts of report for 2013 will be delivered to Ms. Tamara Tokarczyk by all participants (if applicable)

10-20 December 2013 – consultation of the draft- report

20 December 2013 – the final report for 2013 will be delivered to Ms. Sabina Bokal by Ms. Tamara Tokarczyk

Appendix:

List of participants.

Integrated Drought Management Programme in Central and Eastern Europe

Training within demonstration project Drought Risk Management Scheme: a decision support system

Draft Agenda

**Venue: Wroclaw, Poland
Date: 28 – 30 November 2013**

28 November 2013 (Thursday)

Participants arrival

19:30

Welcome dinner

29 November 2013 (Friday)

08:30 – 09:30

Presentation of Activity 5.4 Drought Risk Management Scheme: a decision support system: the main objective, outputs and milestones, work plan for 2013

Tamara Tokarczyk

09:30 – 11:00

Presentation of the Task 1 Measures for the assessment of susceptibility and vulnerability to drought: ongoing work, draft report

1.1. Identification of the national measures for drought susceptibility (drought hazard) assessment.

1.2. Identification of the national measures for drought vulnerability assessment

Elena Mateescu, Catalin Simota, Liviu N. Popescu

11:00 – 11:30

Coffee break

11:30 – 13:00

Presentation of the Task 3.1 Drought Risk Management Scheme for Odra River: ongoing work, draft report

Wiwiana Szalinska, Leszek Łabędzki

13:00 – 14:30

Lunch

14:30 – 15:00

Presentation of Activity 1.1: Review of the current status of the implementation of DM plans and measures within RBMP according to EU WFD

Elena Fatulova

15:00 – 15:30	Presentation of the Activity 1.2: Guideline for Drought Management Plan & National Consultation dialogues Elena Fatulova
15:30 – 16:00	Coffee break
16:00 – 18:00	Discussion, next steps & to do list all participants
19:30	Dinner

30 November 2013 (Wednesday)

Departure of the participants