

**Training to Capacity Building
GWP CEE Project: Drought Management Plan
under
Demonstration Project 5.1.
on
Drought Management by Sectorial Activities
4th–5th December 2013, Prague, the Czech Republic**

List of participants (please see attached attendance sheet)

Opening: Bielek, Hladík

Introduction of RISWC, introduction of Department of Soil Science and Soil Conservation (Navrkalová)

- remark (Bielek) – good background for the drought project due to soil survey in the Czech Rep. and Slovakia (“bonitation”)

Integrated Drought Management – a short description of the project structure (Bokal). The second IDMP CEE workshop will be held April 8-9 2014 in Ljubljana.

Schedule of meeting – results of each participating country, building capacities (Bielek)

Poland and Slovenia did not submit this year’s report, no payment will be provided until submission (**deadline for submission: December 10**). Mr. Bielek has emphasized an importance of scientific background.

Drought management by agricultural activities

Perception of drought – definitions, importance of water in soils (Bielek)

- remark (Kędziora) – direct evaporation from soil should be decreased, better is transpiration and increase of infiltration

Increase of water holding capacity (Bielek):

(1) **Subsoiling** (deeper than 25 to 30 cm, up to 60 cm) – field and laboratory experiments in the Czech Republic and Slovakia; subsoiling was done in both countries in spring (normally in autumn – better due to snowmelt water infiltration), increase of yield on subsoiled land was observed in Slovakia (20 % higher)

Presentation of Czech results – subsoiling, application of fertilizers (Navrkalová)

- remark (Bielek) – Czech Republic was recommended to observe yields, too (benefits for farmers)

- remark (Mihelič) – subsoiling is a cure for compacted soils, we should decrease use of heavy machinery, especially at bad moisture conditions
- remark (Kędziora) – effectiveness of no-till and plants – organic matter content and soil biota (funghi, bacteria) increase lead to less compaction

Project of agriculture drought in the Czech Rep. (brief introduction, Vopravil)

(2) **Comparison of no tillage and conventional tillage** in Poland (Kędziora) – 6 years results, organic matter content is greater in no-till treatment after 6 years; recommendation for Poland is to use no tillage for increasing water holding capacity, but not at all types of soil (inappropriate for light soils)

(3) **Composting tillage** in Slovenia (Mihelič) – conventional tillage x conservation tillage – 14 years experiment; special machine (like hand-hoe to depth of 8–12 cm) is used since 2011 on two soil types, 4 treatments (**plough, plough + subsoil, composting till, composting till + subsoil**), subsoiling in wet condition compacts soil; no effect on yields are observed in light soil at drought conditions, bigger differences between treatments are in heavy soil, but they are not very significant; application of lime (acidity of topsoil); fuel consumption is smaller for composting tillage

- remark (Bielek) – Slovakia has **subsoiling without ploughing**

Capacity Building

Written in the Czech Republic only

Presentation of Capacity Building (Navrkalová) – presentation should be appended and sent to all participants

Presentation of Capacity Building (Bielek) – definitions of capacity building, capacity control (evaluation of risks), simple scheme of building capacity (OECD 1992 or 1993)

Proposal by Mr. Bielek to create capacity building during the next year (before 3rd milestone), to find possibilities of implementation of our knowledge: (1) create inventory of possibilities (Ministry, web sites,...) how to go to farmers,(2) what money can be used (national or European funds, ...), (3) how to apply the money. It should be a short PART OF FINAL REPORT

- remark (Bokal) – workshops and meeting for exchange of information (budgets)
- remark (Mihelič) – water holding capacity is not part of agro-envi programmes (dialog with politicians)

Question (Bielek): Should a Compendium be prepared separately by each group? Answer (Bokal): Yes. It was recommended by Mr. Bielek to put it on programme of April meeting

Next milestone (3rd) should be finished in November 2014. Year 2014 should be an **EXPERIMENTAL YEAR**, common reports with evaluation of fieldwork are to be prepared

Final report should be submitted in February 2015, interim monthly reports should continue

None of the participants has problem with project solution.

Please find more about the training in below links:

Presentations:

Introduction of RISWC: <https://docs.zoho.com/file/c5ygl2a98a780db3f4e2db7b949fbba234283>

Introduction of IDMP: <https://docs.zoho.com/file/c5yglf5a521a702024fed8c04215501b54e2a>

CZ: <https://docs.zoho.com/file/c5ygldebd622062a42749e954033cef01bd3>

Poland: <https://docs.zoho.com/file/c5ygl00428a3c6e6c459796786b24b98115e4>

Slovenia: <https://docs.zoho.com/file/c5ygl86571b37db0f4b2d8cf572f177c94aa3>

Capacity building by CZ: <https://docs.zoho.com/file/c5ygl6110bfc048a6446aab308b210ece6133>

Perception of drought: <https://docs.zoho.com/file/c5ygl4448eba149204b0b8f92b884bd8f461f>

Capacity building by Bielek: <https://docs.zoho.com/file/c5ygl96359a823cfe493892ad56e56789ac03>

Photos:

http://idmptanja.rajce.idnes.cz/Training_to_Capacity_Building_-_Activity_5.1./