

**PUBLIC HEALTH AUTHORITY OF THE SLOVAK REPUBLIC**

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## **Target setting under the Protocol on Water and Health in Slovak Republic**



**Task force on target setting and reporting**

**Bratislava, 10 May 2012**

*Meeting of the Task Force, Bratislava 10 May 2012*

**BASIC INFORMATION ABOUT PROTOCOL IN SR**

- adopted and ratified by the President of SR in June 2001
- 1. national targets set in 2001
- national targets updated in July 2007
- every 2 years is a national report about implementation of the Protocol submitted on proceedings of Government
- responsible for target fulfillment are Public Health Authority of the SR (gestor) and Ministry of Environment of the SR + other institutions

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**THE FIRST NATIONAL TARGETS SETTING (2001)**

1. to improve the situation in safety drinking water  
(to increase % of population supplied with drinking water from public water supply of 82.9%)
2. setting priorities to improve the quality and health safety of water (lower limit values for As, Sb, NO<sub>3</sub>)
3. to improve the prevention, control and efficiency measures to prevent water-related disease (regular monitoring DW quality)
4. to reduce the loss of drinking water in the water supply network
5. to complete construction and reconstruction majority sewage treatment plant

**=> Slovakia's preparation for EU accession**

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**UPDATED NATIONAL TARGETS (2007)**

1. increasing proportion of public receiving high quality water from public water supply network,
2. improving situation in the sphere of waste water treatment,
3. implementation of Water Framework Directive,
4. improving quality and health safety of drinking water, solving the problem of exceeded limits for nitrates in public water supply network till 2011,
5. implementing effective measures for prevention of water related diseases, monitoring of occurrence of infectious and non-infectious water related diseases till 2012,
6. implementing new information system on public water supply network,
7. implementing new information system on quality of bathwater in natural as well as artificial swimming sites,
8. publishing of manual for owners of individual water source, public awareness campaign for water with emphasis on private well owners,
9. cooperation with NGOs, water companies and municipalities on water issues.

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### MEASURES

- measures that have been implemented are mainly focused on requirements given by legislation (WFD and other relevant EU water directives)
  - measures from River Basin Management Plans are focused on reduction of organic pollution, nutrients, priority and relevant substances and measures focused on improvement of hydromorphological alteration.
  - measures on improving or elimination high level volume of nitrates
- ⇒ based on our country priority ranking and depend on available financial sources.
- ⇒ is still in process of development and regularly updated

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### CURRENT SITUATION

- all EUROPEAN legislatives are implemented into the national regulations
- more than 80% of drinking water sources are groundwater (less exposed to negative impacts of pollution as surface water)
- total population supplied from public water supplies in 2011 was 87,76 % of the population
- according to european BW quality assessment: 22 bathing water is excellent quality; 10 bathing water is good quality and 1 bathing water is sufficient quality bathing water quality
- in last 10 year there was reported 18 outbreaks, where the factor of transmission of infectious agents has been drinking water (globally 626 ill persons, in 7 cases the transmission factor was water from public water supply and in 10 cases, it was water from uncontrolled individual sources and one epidemic was caused by drinking water supply which was imported in plastic barrels)
- 30 additional drinking water quality parameters compared with EU DWD (*colony count 37°C, colourless flagellates, living organisms, iron and manganese bacteria, silver, magnesium, calcium, temperature, styrene and etc.*)

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Most frequently exceeded DW quality parameters	Large WSZ (% compliance with DWD)	Small WSZ (% compliance with DWD)
Escherichia coli	98,67	96,05
enterococci	99,33	95,15
nitrates	100,00	99,46
$(\text{NO}_3/50 + \text{NO}_2/3) \leq 1$	100,00	99,66
ammonium	100,00	99,64
Hydrogen ion	100,00	98,83
iron	97,10	95,39
manganase	99,10	97,34
coliform bakteria	99,00	92,67
Colony count 22°C	99,74	97,96
turbidity	99,73	98,32
colour	99,20	98,75

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**NEEDED ADDITIONAL MEASURES INTO THE FUTURE**

- better intersectorial cooperation and public participation in process of water protection at all
- to solve waste water treatment from small scale water supply zones and rural areas. This additional measure should support our second Slovak target defined as: „Improvement of status in area of wastewater treatment and discharging“.
- to support of social excluded groups (marginal)
- adaptation on climate changes (floods, water scarcity and droughts) and extreme wheater events
- find out financial resources for upgrade information systems for drinking and bathing water



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**CURRENT PROBLEMS WITH EXECUTION OF PROTOCOL IN SR**

➤ **finance**

For the most part of targets fulfilment is ensured by the state budget (health and environment sector funds).

➤ **personal capacity**

In competent sectors is still missing experts which would be solve of Protocol topics.

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Thank you for your attention.

