

Systematic protection of water sources against risk of pesticides pollution and their metabolites (SOPOR)

Development of a protecting system based on passive dosimeter cartridge to monitor the technological discipline of chemical plant protection on water sources.

Research will focus on reducing the impact of applying pesticidal compositions and their metabolites on drinking water supplies.

Specifically:

- Processing methodologies targeted on monitoring of the occurrence of the relevant residues in the source areas of the catchment area, based on knowledge of relations between the spectrum of crops and products used in the protective zone of water resources and its wider surroundings, hydrological, hydrogeological and hydrogeological characteristics territories.
- Development of a monitoring system for monitoring operational discipline in agrochemical treatment areas of plant protection products for flexible reporting on the findings of an overall occurrence in groundwater catchment area administrators.

The workshop will introduce the auditors with the current results of the cartridge development and with the results of pilot application.

Draft of program

13:00	Welcome (Tomas Ocelka, E&H Services, Inc.)
13:10	Introduction to the workshop and presentation of the objectives of the project SOPOR (Irena Šupíková, AQUATEST a.s.)
13:30	The impact of applying pesticidal compositions and their metabolites induced via agrochemical plant protection processes on water sources in the Czech Republic (Vít Kodeš, CHMI)
14:00	Development of passive dosimeter for application in narrow groundwater monitoring wells (Tomas Ocelka, E&H Services, Inc.)
14:20	Validation of passive cartridges – results of laboratory column test (Tomas Ocelka, E&H Services, Inc.)
14:40	Testing of passive cartridges – results of field pilot test (Tomas Ocelka, E&H Services)
15:00	Expected application of a protecting system to monitor the technological discipline of chemical plant protection on water sources (Petr Kohout, Forsapi)
15:20	Discussion
16:00	Final conclusions

