

Agenda item 12

Small-scale water supplies and sanitation

Umwelt
Bundesamt



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6th Session of the

Meeting of the Parties to the Protocol on Water and Health

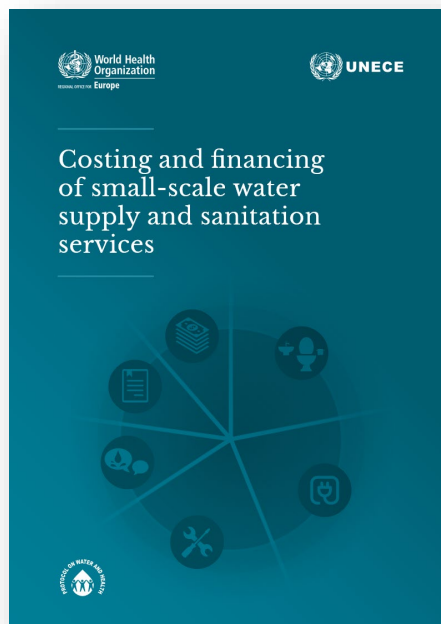
16-18 November | Geneva | Switzerland

Why is our work on small-scale water supplies and sanitation important for the pan-European region?

- Approximately one quarter of the region's population receive water from **small-scale drinking-water supplies**
- Half of rural dwellers in the region rely on **onsite sanitation** systems
- Yet **we know little** about these systems, while their operators/owners face a **broad range of challenges** in terms of resourcing and limited support
- SDG 6 calls for **access FOR ALL** to **safe** drinking-water and adequate and **equitable** sanitation services by 2030
- Programme area under the Protocol since the start:
 - Supporting policy makers in creating an enabling environment for small systems
 - Increasing focus on small-scale sanitation
 - Developing practical tools for making small systems safer
 - Supporting regional exchange on experiences

Major milestones since 2020 and outcomes

Publication on financing small systems



- Launch of *Costing and financing of small-scale water supply and sanitation services* at a Protocol webinar (8 July 2020)
- Guides policy-makers in **defining strategies** for **sustainable financing** for small-scale drinking-water and sanitation systems



Major milestones since 2020 and outcomes

Assessment of information on small systems from Protocol reporting and other information

OBJECTIVES

- **Support** countries in **setting targets** and developing **national policies** and **strategies** to improve small-scale water supply and sanitation
- **Identify data gaps** and **needs** regarding rural systems
- Document **country activities** on small-scale water supply and sanitation in the Region

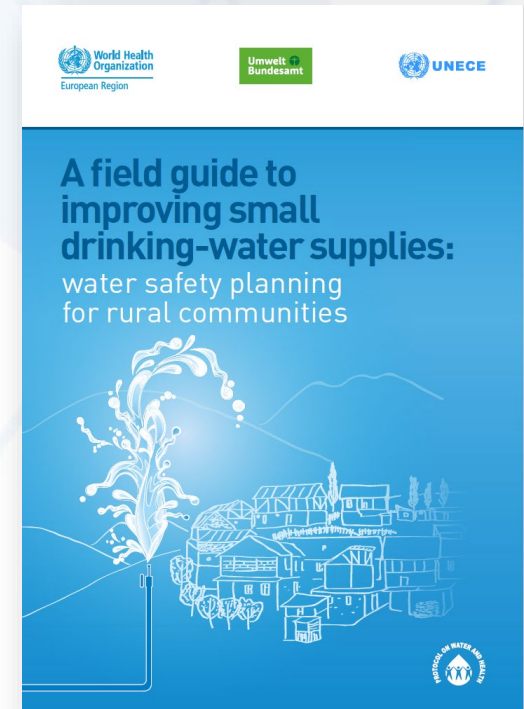
- Data collection and analysis completed in spring 2021 – an online survey gained in responses from 20 countries
- Expert interviews for more in-depth information were conducted in autumn 2021
- Draft document is ready



Major milestones since 2020 and outcomes

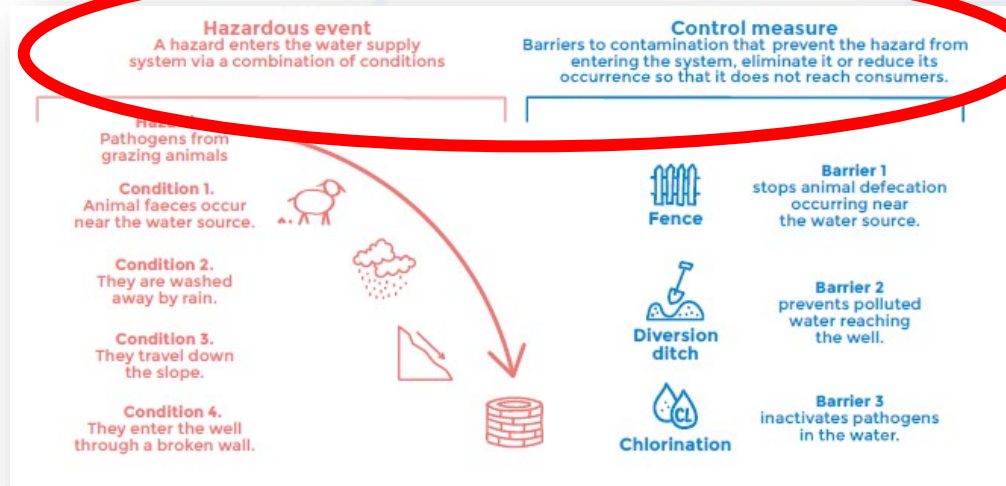
Water Safety Plan (WSP) field guide

- Revision of 1st edition "*Water safety plan: a field guide to improving drinking-water safety in small communities*" (WHO/Europe, 2014)
- Guides communities and their supporters, step-by-step, in developing a WSP that fits the purpose
- Has become a global resource
- The second edition:
 - Considers **lessons learned** from practical application globally
 - Strengthens the **linkages to sanitation**
 - Strengthens aspects related to **climate change**
 - Improves the overall **structure and messaging**



Major milestones since 2020 and outcomes

WSP Field guide



Templates to support you in developing your WSP

- Template 1-A. WSP team list
- Template 1-B. WSP team meeting notes
- Template 2-A. Map of water supply system
- Template 2-B. Description of water supply
- Template 3. Hazard analysis and risk assessment
- Template 4. Improvement plan
- Template 5-A. Operational monitoring and inspection plan
- Template 5-B. Compliance monitoring plan
- Template 6-A. Instructions for operations and maintenance
- Template 6-B. Emergency response plan



TIP
 In this WSP step, you need to consider the impact of weather events such as rainfall, snowmelt or periods of hot temperatures that may lead to drought, changing or increasing risks to your water supply. For example, flooding can increase the likelihood of harmful pathogens occurring.

While the focus in situations of water scarcity will be on obtaining a sufficient quantity of water, you should never forget that the quality of this water is of equal importance to protect health.

To be prepared for future effects of climate change, discuss within the WSP team whether changes in the intensity and frequency of these events have been observed in your community. You can contact local experts or authorities and ask for climate projections relevant to your water supply. This could give you an indication of what you should prepare for in the future.

Major milestones since 2020 and outcomes

Training materials on WSP in small systems

GOAL

- Develop training materials for the application in the pan-European region
- Investigate options to disseminate through e-learning platforms

Modules/sections

<p>INTRODUCTION TO SMALL SUPPLIES AND WATER SAFETY PLANS</p> 	<p>WSP TASK 1 ASSEMBLE A WSP TEAM</p> 	<p>WSP TASK 2 DESCRIPTION OF THE WATER SUPPLY</p> 
<p>WSP TASK 3 IDENTIFY AND ASSESS HAZARDS, HAZARDOUS EVENTS, RISKS AND EXISTING CONTROL MEASURES</p> 	<p>WSP TASK 4 DEVELOP AND IMPLEMENT AN INCREMENTAL IMPROVEMENT PLAN</p> 	<p>TASK 5: MONITOR CONTROL MEASURES AND VERIFY THE EFFECTIVENESS OF THE WATER SAFETY PLAN</p> 
<p>TASK 6: DOCUMENT, REVIEW AND IMPROVE ALL ASPECTS OF WSP IMPLEMENTATION</p> 	<p>INTERNAL AND EXTERNAL AUDITING OF WSP</p> 	<p>Available online tools for risk assessment and risk management</p> 

STATUS

- Draft set of training materials
 - Presentations
 - Exercises and quizzes
 - Videos etc.
- To be finalized in next programme period

Major milestones since 2020 and outcomes

Project on integration of water and sanitation safety planning

GOAL

- To establish an advanced **safe water** and **sanitation** service provision in small systems in rural areas in Serbia
- To assess and demonstrate the **feasibility of integrating water** and **sanitation safety planning** through pilots at selected sites

PARTNERS

- Institute of Public Health of Serbia
- National Institute for Public Health and the Environment, The Netherlands
- German Environment Agency
- WHO Regional Office for Europe (not as official project partner)

FUNDING

- German Federal Environment Ministry's Advisory Assistance Programme
- Supervised by the German Environment Agency
- **Project extension to develop tools for further application**



In cooperation
with
programme
area 5

Major milestones since 2020 and outcomes

Expert consultation on on-site sanitation in the pan-European region

- **Joint initiative** of the lead Parties sharing responsibility for programme areas 4 (Germany, Serbia) and 5 (Bosnia and Herzegovina and the Netherlands)
- Co-hosted by the Netherlands and Serbia
- Held from 5-7 October 2021 in virtual format
- Aimed to **promote exchange** and **appraise the situation** of onsite sanitation in the pan-European region and identify **improvement opportunities** in regulation, management and monitoring

Topics

8 sessions

- Normative and policy context
- Country perspectives
- Identification of challenges
- Supporting tools
- Identification of good practices
- Monitoring systems
- Support needs and future activities
- Summary of the consultation and way forward

Future activities for 2023-2025

OBJECTIVES

- Increase policy attention to small-scale water supply and sanitation systems
- Support policy uptake and implementation of good practice-based approaches in the regulation, management and surveillance of small-scale water supply and sanitation at national and local levels
- Promote improving access to safe, sustainable and equitable drinking water and sanitation services in rural areas, small towns and peri-urban areas

Future activities for 2023-2025

Supporting an enabling environment for small-scale systems

- Organize up to three subregional and/or national capacity building events to:
 - Promote good practices and tools developed under the Protocol
 - **Support uptake** of the recommendations of the **WHO Guidelines** for *drinking-water quality* and the *WHO Guidelines on sanitation and health* in **national road maps**, policies, regulations and programmes

Future activities for 2023-2025

Strengthen policy uptake and application of approaches to safe management of small-scale system

Tool/templates

for integrated water and sanitation safety planning for application in rural areas

Training materials

for WSP with a particular focus on small-scale water supplies in the pan-European region

Capacity building

workshops (up to three national / subregional) on SSP and WSP and integrated approaches for small-scale systems

Field projects

on improved planning, operation and management of SSWSS, particularly on iWSSP in rural areas

Future activities for 2023-2025

Improving the evidence base and supporting policy action on small-scale sanitation

Region-wide survey of small-scale sanitation systems, including on-site sanitation systems

Publication on good practices related to small-scale sanitation systems:

- Regulation and management
- Surveillance
- Support mechanism
- Supportive case studies from across the Region

Capacity building workshops

(up to two) to:

- Strengthen the uptake of the WHO Guidelines on sanitation and health in small-scale sanitation systems
- Support the development of regulations and surveillance schemes

Thank you for your attention!

