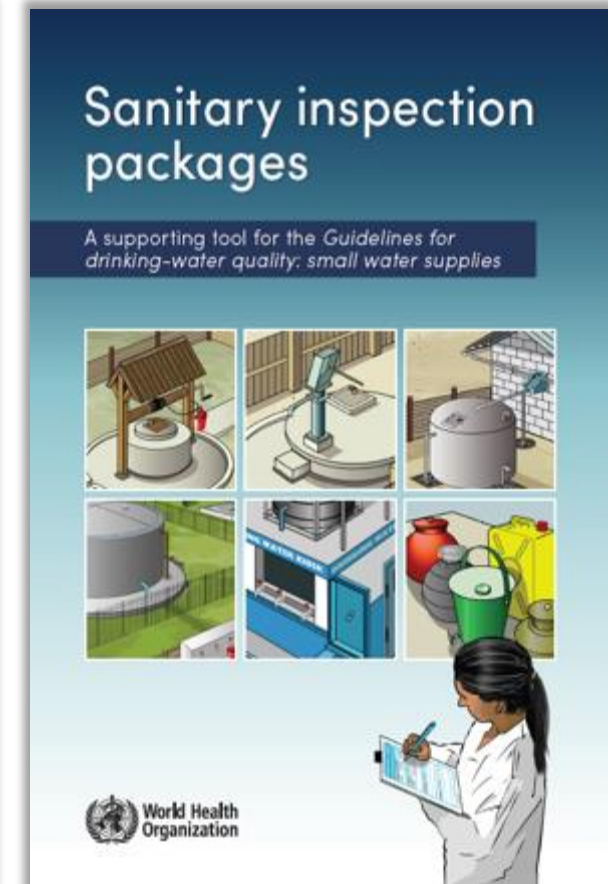
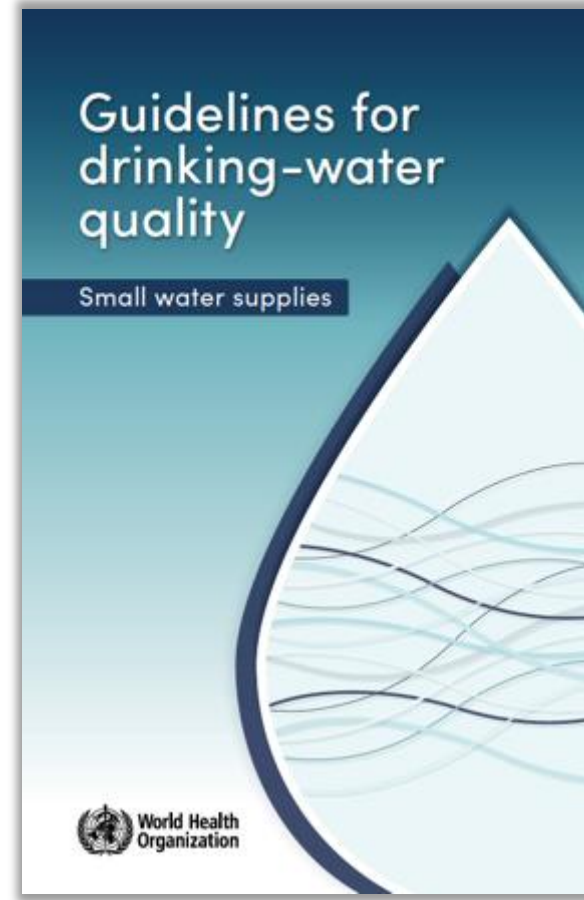


WHO's updated Guidelines for small drinking-water supplies and associated sanitary inspection tools

Launch webinar
15 February 2024



Welcome from RWSN



Sean Furey
Network Secretariat
Director, RWSN

WHO's updated Guidelines for small drinking-water supplies and associated sanitary inspection tools

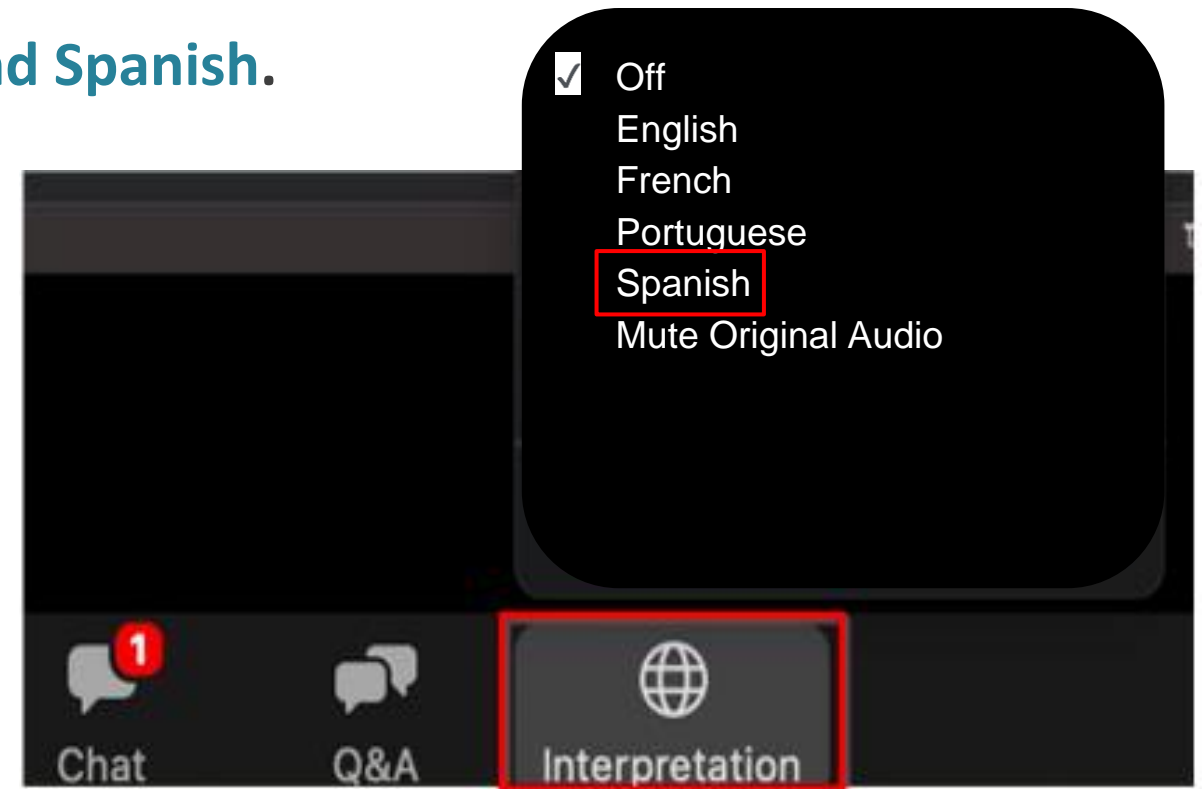
Launch webinar
15 February 2024

Selecting your language channel

This webinar will be multilingual, with simultaneous translation into **Arabic, French, Portuguese, Russian and Spanish**.

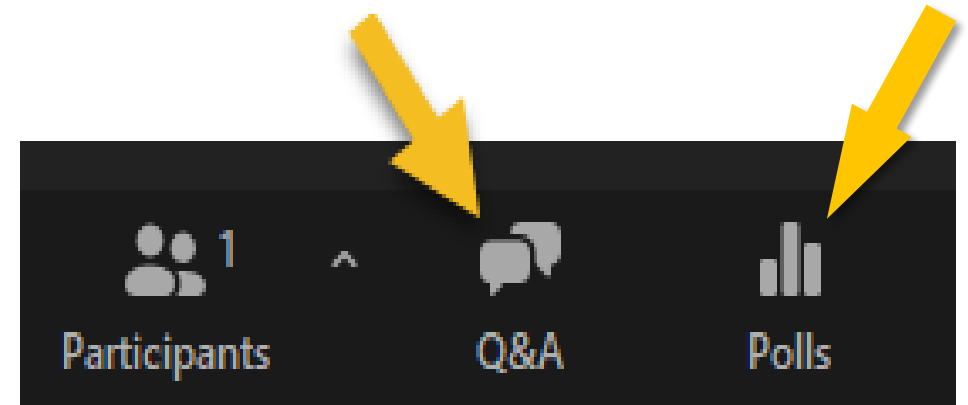
To choose your language channel:

- ❖ Click the **Interpretation icon** on the bottom control bar
- ❖ **Select the language** you would like to hear



Housekeeping

1. This **webinar will be recorded**. The recording and presentations will be shared afterwards.
2. **Introduce yourself!** Insert your name, organisation and country in the chat box.
3. Feel free to share your **comments in the chat box**.
4. Please send your **questions in the Q&A** box.
5. Please participate in polls **using the polls icon**.
6. Please fill out our **short survey** at the end of the webinar.



Welcome from Chair + agenda



Oliver Schmoll

Programme Manager Water
and Climate, WHO European
Centre for Environment and
Health

- ❖ Opening remarks from WHO and UNICEF
- ❖ Presentation on the Guidelines and associated tools
- ❖ Reflections from a panel of experts / practitioners
- ❖ Open Q & A
- ❖ Future events and close

Opening remarks

Maria Neira

Director of the Department of
Environment, Climate Change
and Health, WHO



Cecilia Scharp

Director for WASH (water,
sanitation and hygiene) and
CEED (climate, environment,
energy and disaster risk
reduction), UNICEF

Guidelines for drinking-water quality

Small water supplies



An introduction to WHO's new Guidelines and sanitary inspection tools

Presented by WHO headquarters, Geneva



Jennifer De France



Angella Rinehold



Rory Moses McKeown

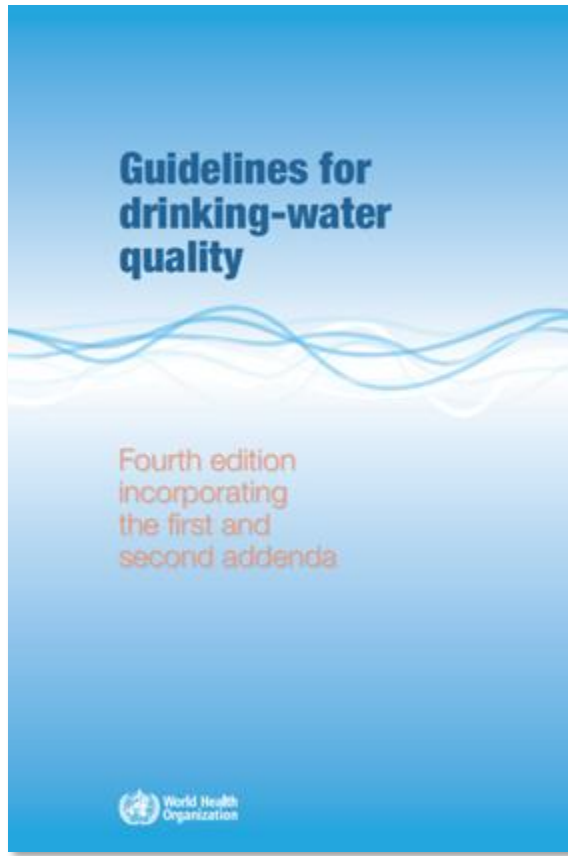
Presentation overview

- ❖ Background on providing tailored guidance for small water supplies
- ❖ Brief introduction to the revised Guidelines for small water supplies
- ❖ Brief introduction to the revised sanitary inspection packages



- Introduce aim and content of resources
- Provide context for panelist reflections and open discussion on applying guidance and tools in practice

Relationship to WHO's main GDWQ



Core GDWQ recommendation:

Framework for safe drinking-water



Can be challenging to implement in small water supply settings

Poll on defining small water supplies

How are small water supplies defined in your country? (Choose all that apply.)

- A. By **population** served (e.g. <X water users)
- B. By **volume** supplied (e.g. <X m³/day)
- C. By number of **service connections** (<X connections)
- D. By **technology type** (e.g. point sources)
- E. By **geographic location** (e.g. outside municipal areas)
- F. By **management entity** (e.g. households, communities)



Opportunities and tailored guidance

Challenges



Operational, managerial, technical, resourcing and political challenges

Impacts



Water-related illness and adverse social and economic impacts

Opportunities

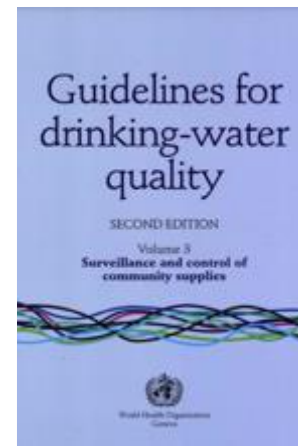


Improved public health and well-being, and reduced inequalities

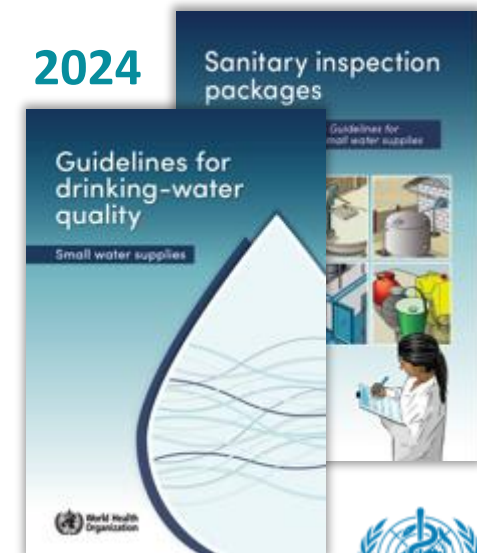
Small supplies require explicit consideration in policies and regulations, tailored approaches and supporting tools



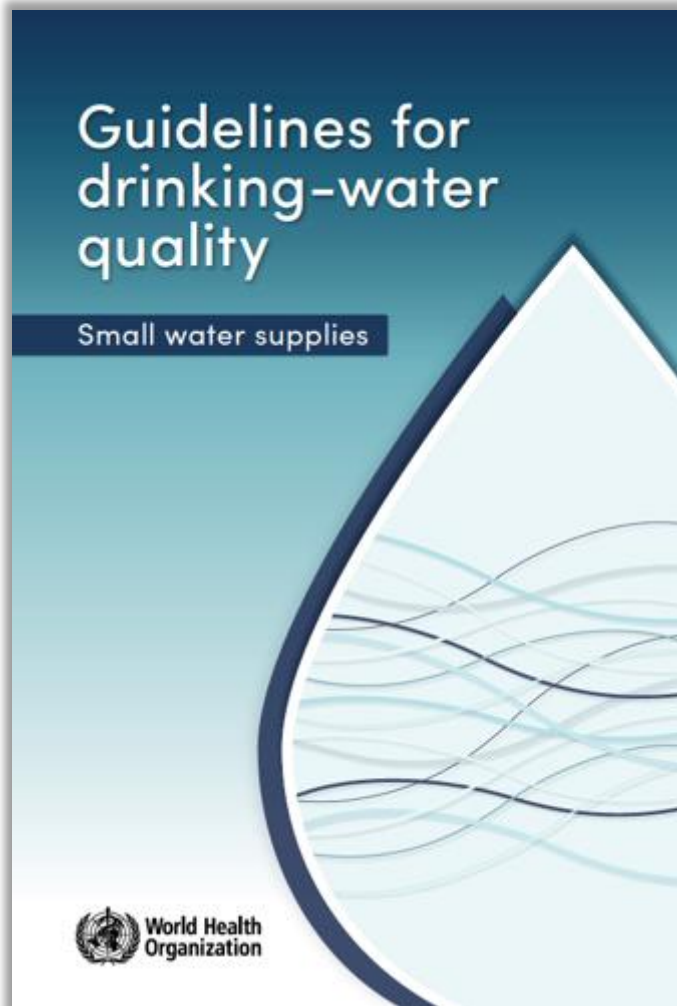
1997



2024



Key Guidelines changes



What key changes have been made?

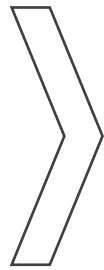
- Strengthening from >25 years of learnings since 1997 edition
- More guidance on regulations and risk management (WSPs and SIs) in addition to surveillance
- Guidance targeting decision-makers
- Broader range of supplies covered, i.e. those managed by households, communities and professional entities

Updating the Guidelines

2013



2024



Supported by
a **dedicated**
Working Group
since 2014



Guiding principles

10 cross-cutting principles



Prioritize public health



Take a risk-based approach



Progressively improve



Adapt for context



Strengthen systems



Engage water suppliers



Practise supportive regulation



Approach WASH holistically



Provide equitable services

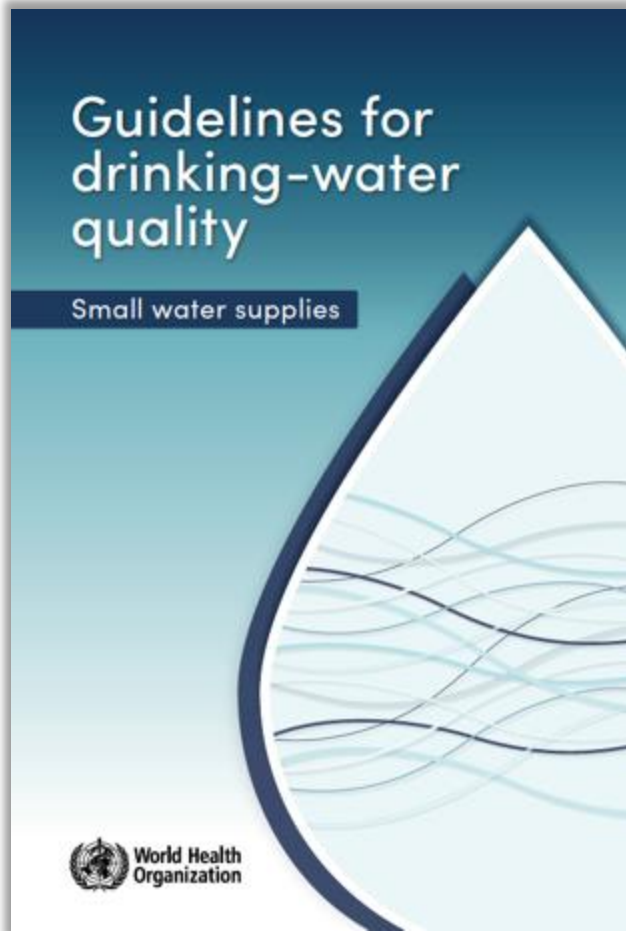


Build climate resilience



- Practical and risk-based
- Geared toward progressive improvement
- Systems focused

Guidelines overview



Ch 1

Introduction and key concepts

Ch 2

Assessing the enabling environment

Ch 3

Health-based regulations

Ch 4

Water safety planning

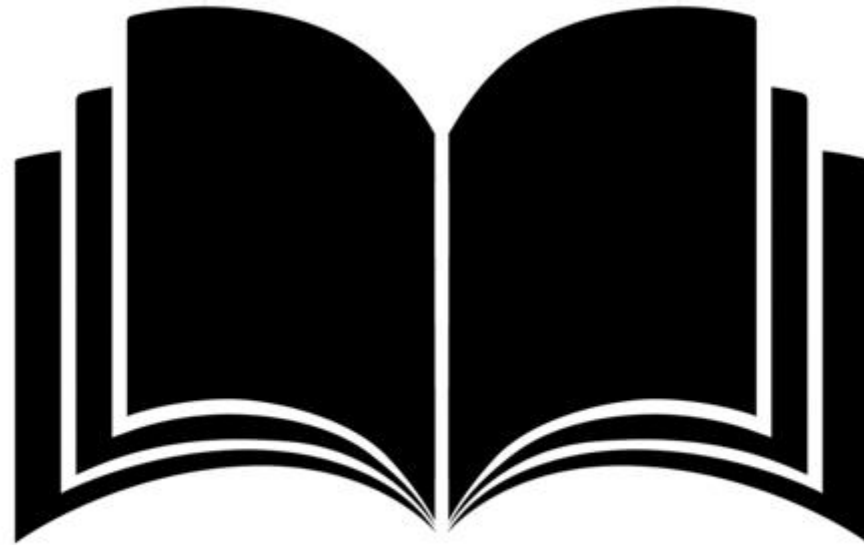
Ch 5

Surveillance

Ch 6

Improving data use

Let's take a closer look inside...



Guidelines elements

RECOMMENDATIONS

6 Recommendations to improve small drinking-water supplies

IMPLEMENTATION ACTIONS


5-9 Practical actions per recommendation to aid implementation

CASE EXAMPLES

59 Good practice examples from countries around the world to guide and inspire

Six key recommendations

Paraphrased recommendations:

- 
- | | | | |
|---|---|---|---|
| 1 | Assess the enabling environment | 4 | Promote and support water safety planning |
| 2 | Establish regulations that reflect priority risks | 5 | Practise risk-based surveillance |
| 3 | Work toward professionalized management | 6 | Strengthen systems of data use |
- 1 Assess the enabling environment
 - 2 Establish regulations that reflect priority risks
 - 3 Work toward professionalized management
 - 4 Promote and support water safety planning
 - 5 Practise risk-based surveillance
 - 6 Strengthen systems of data use

Recommendation 4

4

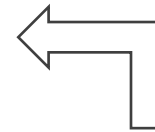
Promote and support
water safety planning

Implementation actions (paraphrased)

1. Understand risk management approaches
2. Establish risk management requirements
3. Consider a staged approach
4. Provide training and guidance
5. Provide practical tools
6. Establish sustainable financing
7. Link to other WASH initiatives

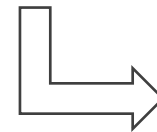
Establishing requirements

Guidance on when to use different risk management approaches and tools



Implementation actions (paraphrased)

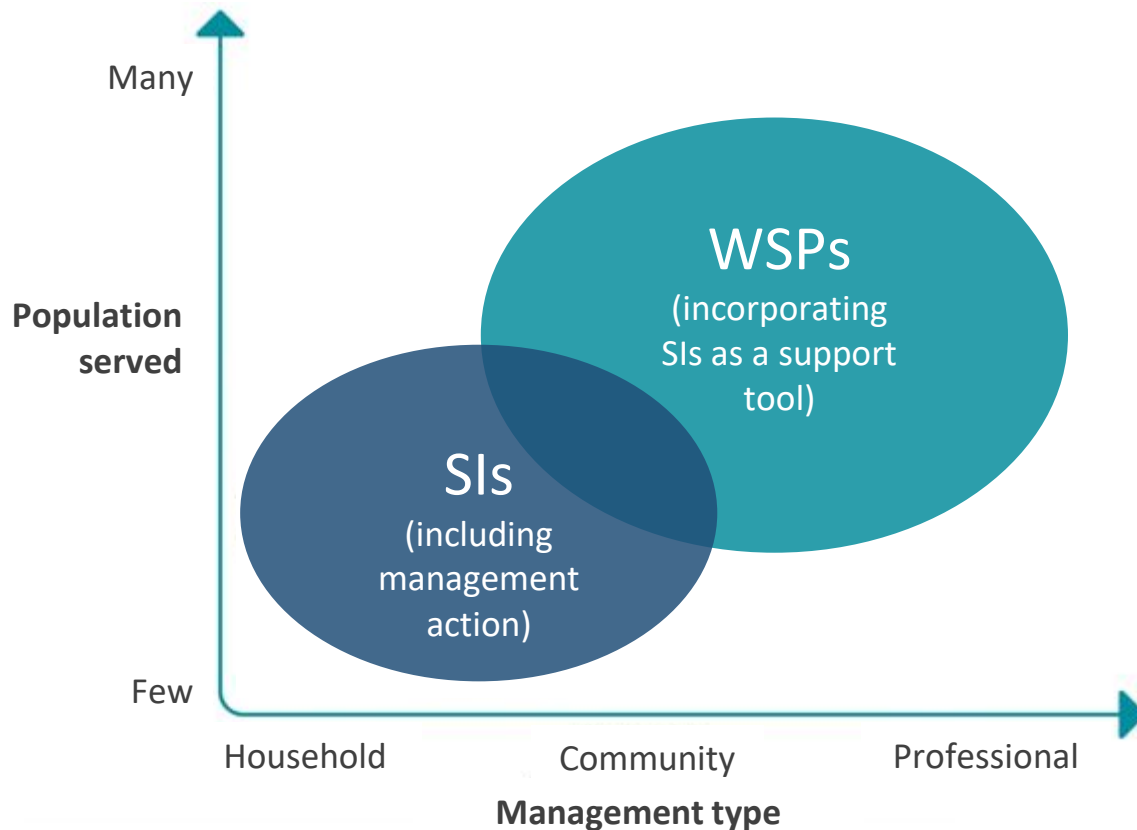
2. Establish risk management requirements



Practical case example(s)



Case A3.33: Risk management requirements that vary by water supply size in Germany



Executive summary

RECOMMENDATIONS

6

Recommendations to improve small drinking-water supplies

IMPLEMENTATION ACTIONS

5-9

Practical actions per recommendation to aid implementation

Executive Summary



Also available in **Arabic**, **French**, **Russian** and **Spanish**

Sanitary inspection poll

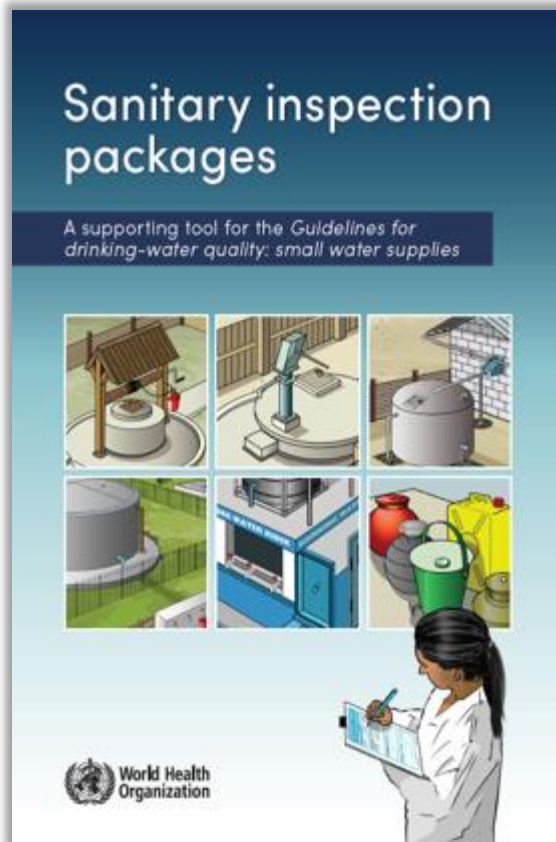


What is your level of experience with SIs?

- A. No experience
- B. Some / limited experience
- C. A lot of experience



Sanitary inspection tools



Sanitary inspection questions	NA	No	Yes	If Yes, what corrective action is needed?
1 Is the pump in a location where fuel or oil could enter the borehole? Chemical contaminants could enter the borehole from fuel or oil leaks if the pump is located above, or immediately beside, the borehole. This could also happen if there is accidental spillage during re-fuelling or maintenance.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2 Does the floor around the borehole allow water to pass through it? Contaminants could enter the borehole if the floor is permeable and allows water to pass through it (e.g. an earthen floor). This could also happen if the floor has deep cracks or gaps that allow water to pass through.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Reseal floor due to deep cracks
3 Is drainage inadequate, which could allow water to accumulate in the borehole area? Stagnant water could contaminate the borehole if there is no drainage system in place. This could also happen if the drainage system is damaged (e.g. deep cracks) or blocked (e.g. from leaves, sediment). Note – the presence of pooled water during the inspection may indicate poor drainage.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	When resealing, raise low spots where water now pools
4 Are the borehole and pump inadequately covered? Contaminants may enter the borehole if the borehole and pump are not covered (e.g. housed outside in the open). This could also happen if they are housed in a structure that is in poor condition and open to the environment (e.g. a pump house with a damaged roof).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Sanitary inspection


- A simple, on-site evaluation to identify risk factors that may lead to contamination
- An important tool to support WSPs and surveillance

New SI packages

1997

Fig. A2.2 Example of sanitary inspection form for dug well with windlass and partial cover

Form A2.2 - minimum safe distance between facility and section 4.2.2



I. Type of facility: DUG WELL WITH WINDLASS AND PARTIAL COVER

1. General information: Facility name: _____ Village: _____

2. Curb on: Address: _____

3. Water authority/community representative signature: _____

4. Date of visit: _____

5. Water sample taken: Sample no.: _____ Thermometer calibration grade: _____

II. Specific diagnostic information for assessment

1. Is there a fence within 10m of the well?	Y/N
2. Is the nearest fence at higher ground than the well?	Y/N
3. Is there any other source of pollution (e.g. animal enclosures, rubbish) within 10m of the well?	Y/N
4. Is the drainage pipe carrying sewage away within 2m of the well?	Y/N
5. Is there a faulty drainage channel? Is it broken, preventing ponding?	Y/N
6. Is the well (open) around the well (broken, allowing surface water to enter the well)?	Y/N
7. Is the concrete base less than 1m wide around the well?	Y/N
8. Are the walls of the well adequately sealed at any point for 2m below ground?	Y/N
9. Are there any cracks in the concrete base around the well which could permit water to enter the well?	Y/N
10. Are the steps and ladder left in such a position that they may become contaminated?	Y/N
11. Does the well require a cover?	Y/N
12. Does the sanitation require fixing?	Y/N

Total score of risk: _____/12

Contaminant risk score: 0-12 = very high, 4-6 = high, 3-6 = intermediate, 0-2 = low

III. Results and recommendations

The following represent points of risk were noted: _____ (See annex 4.2.2)

The authority advised on remedial action: _____

Signature of assessor: _____

2024

SANITARY INSPECTION FORM

DRINKING-WATER




Figure 1. Typical risk factor associated with a dug well with a windlass

SANITARY INSPECTION FORM

DRINKING-WATER

Sanitary inspection questions	Yes	No	If Yes, what corrective action is needed?
1. Is the fence or barrier around the well missing or inadequate so that animals could enter the well area?	<input type="checkbox"/>	<input type="checkbox"/>	
2. Is there any other source of pollution (e.g. animal enclosures, rubbish) within 10m of the well?	<input type="checkbox"/>	<input type="checkbox"/>	
3. Is the drainage pipe carrying sewage away within 2m of the well?	<input type="checkbox"/>	<input type="checkbox"/>	
4. Is there a faulty drainage channel? Is it broken, preventing ponding?	<input type="checkbox"/>	<input type="checkbox"/>	
5. Is the well (open) around the well (broken, allowing surface water to enter the well)?	<input type="checkbox"/>	<input type="checkbox"/>	
6. Is the concrete base less than 1m wide around the well?	<input type="checkbox"/>	<input type="checkbox"/>	
7. Are the walls of the well adequately sealed at any point for 2m below ground?	<input type="checkbox"/>	<input type="checkbox"/>	
8. Are there any cracks in the concrete base around the well which could permit water to enter the well?	<input type="checkbox"/>	<input type="checkbox"/>	
9. Are the steps and ladder left in such a position that they may become contaminated?	<input type="checkbox"/>	<input type="checkbox"/>	
10. Does the well require a cover?	<input type="checkbox"/>	<input type="checkbox"/>	
11. Does the sanitation require fixing?	<input type="checkbox"/>	<input type="checkbox"/>	

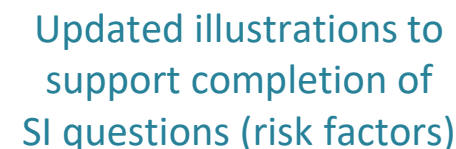
Total number of Yes responses: _____

Key updates to the SI tools:

- SI form supported by **technical guidance and management advice**
- Greater alignment with the **principles of water safety planning** (promoting corrective actions, ongoing management and monitoring)
- Enhanced focus on **climate threats and equity considerations**
- Supported by new **guidance on adapting** to the local context

1. Sanitary inspection form

General information section to support risk assessment and inventories



Updated questions to reflect evidence base and expert opinion

What is included in each SI package?

1. Sanitary inspection form

2. Technical fact sheet

TECHNICAL FACT SHEET **DRINKING-WATER**

Rainwater collection and storage

This technical fact sheet provides information on a rainwater collection system, which supports the sanitary inspection of this drinking-water source.^a

A rainwater collection system consists of a catchment area (e.g. the roof of a building) and guttering channels that direct rainwater into a collection vessel (e.g. storage tank).

Rainwater typically contains lower levels of contaminants compared to groundwater or surface water sources. However, rainwater can become contaminated during collection and storage. For this reason, rain collected for drinking-water purposes should be appropriately treated and disinfected.

Rainwater collection can be applied in many places, from individual household systems to systems serving multiple households or institutions (e.g. schools). Rainwater can be the primary source of drinking-water where there is sufficient rainfall all year round and adequate storage capacity. Often, rainwater collection is used to supplement other sources of water.

Rainwater collection (L/year) can be estimated by multiplying the rainfall (mm/year) by the roof catchment area (m²) by a run-off coefficient, using the following formula:

$$\text{Rainwater collection (L/year)} = \text{Rainfall (mm/year)} \times \text{Roof area (m}^2\text{)} \times \text{Run-off coefficient}$$

The run-off coefficient will depend on the roof material, and considers water losses (e.g. from evaporation, gutter overflow, leaks from pipes). The coefficient value is always less than 1 and may range from 0.9 for metal roofing to >0.4 for organic roofing materials.^a

Figure 1 shows a common type of rainwater collection system. Figure 2 shows a common type of first flush device. These figures show a typical design. Other designs can also provide safe drinking-water.

For communal systems, the water collection area should be built so it is accessible for all users.^b

Typical risk factors associated with a rainwater collection system are presented in the corresponding Sanitary inspection form.



Figure 1. A common rainwater collection system in a sanitary condition

Technical information to support the completion of the SI form

TECHNICAL FACT SHEET **DRINKING-WATER**

Mud or organic roof materials (such as thatch) should be avoided where possible, as they typically result in lower volumes of rainwater being collected (i.e. have a lower run-off coefficient) and could contaminate the rainwater during collection.

Where asbestos-containing roof materials are in place, the materials should be sealed with appropriate paint or resin to prevent fibres entering the water.

Rainwater collected from asbestos roofing should be allowed to settle before use (i.e. allowing fibres to settle to the bottom of the container, before decanting off the water).

Efforts should be made to minimize activities that can result in the degradation and release of asbestos fibres (e.g. roof cutting, drilling, use of high-pressure roof cleaning materials).

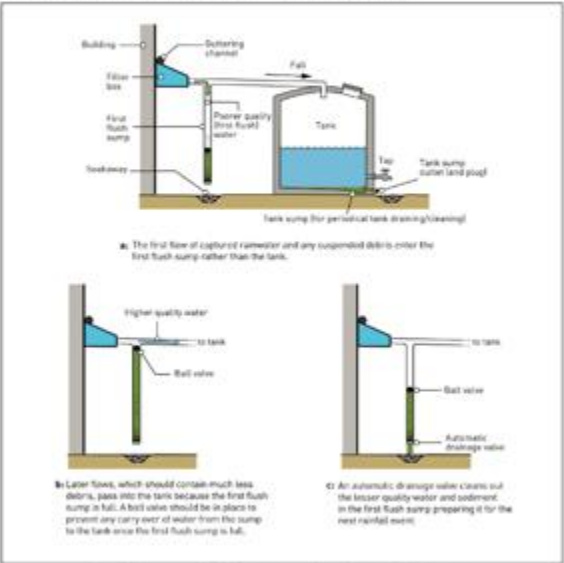


Figure 2. A common first flush system used in rainwater collection systems

World Health Organization
Water, Sanitation, Hygiene and Health Unit
Avenue Appia 20, 1215 Geneva 27, Switzerland
Email: ghs@who.int
Website: <https://www.who.int/health-topics/water-sanitation-and-hygiene-wash>

World Health Organization

Illustrations to help identify risk factors (showing the “sanitary” condition)

What is included in each SI package?

1. Sanitary inspection form

2. Technology fact sheet

3. Management advice sheet

MANAGEMENT ADVICE SHEET **DRINKING-WATER**

Rainwater collection and storage

This management advice sheet provides guidance for the safe management of a rainwater collection system, which supports the sanitary inspection of this drinking-water source.

Guidance for typical operations and maintenance (O&M) activities is provided in Table 1, including suggested frequencies for each activity. These activities are important for keeping the rainwater collection system in good working condition and protecting drinking-water quality.

Table 2 lists potential problems that may be identified during a sanitary inspection, and provides basic corrective actions to consider for each problem.

This management advice sheet can also support routine management and monitoring practices, which are required to help ensure the on-going safety of the water supply.



A. OPERATIONS AND MAINTENANCE

Basic O&M can usually be carried out by a trained owner, user or caretaker (e.g. simple maintenance tasks such as cleaning the roof and guttering channels). Larger repairs and maintenance tasks (e.g. repairing the filter box, replacing guttering channels) may need skilled labour which can be provided by local craftspeople, or with support from outside of the local area.

The condition of the rainwater collection system should be inspected routinely to help prevent contaminants entering the water supply. Any damage or faults should be repaired immediately (e.g. cracks in the guttering channels, leaking tap, broken fence).

Standard operating procedures (SOPs) should be developed for important O&M tasks (e.g. inspecting and repairing the storage tank). These should be followed by trained individuals so the work is carried out safely and the water supply is not contaminated during the work.

The rainwater storage tank should only contain drinking-water - no other liquids, including water of lesser quality, should be stored in the tank. Taps and related fittings should be maintained routinely. The storage tank should be periodically cleaned and disinfected according to SOPs.

Where there is no first flush system in place, the first portion of rainwater should be manually diverted away from the storage tank - this water could contain contaminants that have accumulated on the roof between rain events (e.g. from animal excrement, insects, dust, leaves).

Adequate treatment and disinfection of the rainwater is required before consuming the drinking-water (e.g. by household water treatment).

Activities other than drinking-water collection (e.g. laundry, washing, bathing) should not be conducted at the water collection point. Certain activities can result in airborne contaminants, such as spray drifts from local agricultural practices (e.g. manure spreading, crop spraying, burning). This could contaminate the roof catchment area. Consultation with the relevant authorities may be needed to ensure that such activities are carried out at a safe distance from the roof catchment area (ideally downwind of the rainwater collection system based on the prevailing wind direction). The impact from other events on drinking-water quality (e.g. bushfires, volcanic eruptions) should also be considered if relevant in the local context.

Guidance on the safe management of the water supply

MANAGEMENT ADVICE SHEET **DRINKING-WATER**

Table 1. Guidance for developing an operations and maintenance schedule

Frequency	Activity
Daily to weekly	<ul style="list-style-type: none">Check that the rainwater collection area is clean. Remove any polluting materials (e.g. leaves, rubbish) and clean the area as needed.Check that the inspection hatch lid is in place and in good condition, and is closed and locked securely. Repair or replace damaged parts, and lock as needed.Check that the inside of the storage tank is clean (e.g. free from animals, leaves, sediment build-up). Drain, clean and disinfect (e.g. with chlorinated lime) as needed.¹Check that the downspout or drain is clear and in good condition. Remove debris or repair as needed.Check that the fence or barrier is in good condition and that the entry point (e.g. gate) can be closed securely and latched shut/locked. Repair or replace damaged parts.
Weekly to monthly	<ul style="list-style-type: none">Check that the following are clean and in good condition: pump, filter box, first flush system, guttering channels, roof.Clean, repair or replace these components as needed.Check that the storage tank air vent and overflow pipe are in good condition. Ensure that protective vermin-proof screens are securely fitted and in good condition. Repair or replace damaged parts.
Annually	<ul style="list-style-type: none">Perform a detailed inspection of the roof, guttering channels and storage tank (and the tank support base if present) for signs of damage or failure. Repair or replace damaged parts.²
As the need arises ³	<ul style="list-style-type: none">Drain the storage tank, remove sediment and clean the internal tank walls (e.g. using a brush and clean water), and then disinfect (e.g. with chlorinated lime) as needed.⁴Drain the first flush system if manual draining is in place.Remove vegetation that is overhanging the roof (or other catchment area).Monitor activities in the surrounding area that could result in airborne contaminants landing on the roof.Monitor water use and yield (e.g. during periods of drought).Ensure procurement of any materials in contact with drinking-water and water treatment chemicals (where used) are safe for drinking-water use.

¹ For guidance on safely cleaning and disinfecting storage tanks, refer to *Technical notes on drinking-water sanitation and hygiene in small premises: cleaning and disinfecting water storage tanks and lockers* (WHO & WEDC, 2018). This activity is required following a contamination event (e.g. presence of animals in the storage tank, Zoonotic disease). Note - in water scarce areas, consult with local health authorities before draining the storage tank to make sure that the risk to water quality justifies the water loss. Alternative water supply arrangements may then be needed to ensure that users have sufficient water quantity to meet domestic needs.

² For guidance on the appropriate design of rainwater collection systems, refer to *Rainwater collection: WEDC Study No. 47* (Dewinter, 2022).

³ See Table 2 for potential problems that could trigger these activities.

General notes

- The suggested frequencies in Table 1 are a minimum recommendation. The frequency of activities may need to be increased depending on the local context. A suitable O&M schedule should be made for each site, including who is responsible for the work. Completion of activities as per the O&M schedule should be recorded, including additional details for any problems identified and corrective actions undertaken.
- Only people with relevant training and skills should undertake the activities in Table 1. Appropriate safety measures should be in place when entering a storage tank for inspection or maintenance. Safety risks such as storage tank collapse or asphyxiation should be appropriately managed. Care should be taken when handling disinfectant products.
- For guidance on appropriate frequencies for monitoring (e.g. sanitary inspections, water quality testing), refer to *Guidelines for drinking-water quality risk-based management, regulation and surveillance of small-water supplies*, Vol. 1 (WHO, in preparation).

MANAGEMENT ADVICE SHEET: Rainwater collection and storage

Guidance on developing an operations & maintenance schedule

MANAGEMENT ADVICE SHEET **DRINKING-WATER**

Table 2. ...continued

Question	Problem identified	Corrective actions to consider
1	There are signs of contaminants in the storage tank (e.g. animals, leaves, sediment build-up) that could present a serious risk to water quality.	<ul style="list-style-type: none">Remove the contaminants immediately if possible.Consider what immediate actions should be taken to minimise the risk to public health (e.g. advise users to treat the water before consumption).Drain, clean and disinfect (e.g. with chlorinated lime) the storage tank.¹Consider appropriate measures to minimise the risk of contamination entering the storage tank from this source in the future (e.g. install a storage tank cover, lock inspection hatch lid, fence the collection area).
2	The storage tank is inadequately covered, which could allow contaminants to enter the tank.	<ul style="list-style-type: none">Provide a temporary cover (e.g. impermeable plastic sheeting) to minimise the entry of contaminants into storage tank. Install or repair the tank cover as soon as possible.Clean and disinfect (e.g. with chlorinated lime) the storage tank.²
3	The inspection hatch lid is missing (or open, unlocked) or in poor condition (e.g. deep cracks, severely corroded, does not fit tightly when closed), which could allow contaminants to enter the storage tank.	<ul style="list-style-type: none">If the inspection hatch lid is missing, or it is in poor condition, provide a temporary seal (e.g. impermeable plastic sheeting) over the inspection hatch to minimise the entry of contaminants. Repair or replace the hatch and/or lid as soon as possible.If the inspection hatch lid is open or unlocked, communicate the importance of closing and locking the lid securely when not in use.
4	The storage tank walls are cracked or leaking, which could allow contaminants to enter the water supply, or result in water loss.	<ul style="list-style-type: none">If the storage tank walls are cracked or leaking, engage local craftspeople to repair or replace the storage tank as required.Clean and disinfect (e.g. with chlorinated lime) the storage tank.³
5a	The overflow pipe is inadequately protected (e.g. with a mesh or gauze), which could allow vermin (e.g. insects, rodents, birds) to enter the storage tank and contaminate the water.	<ul style="list-style-type: none">If the overflow pipe is unprotected, cover the pipe with a vermin-proof screen (e.g. plastic or metal).If the overflow pipe screen is damaged (e.g. ripped, broken) or has wide gaps, replace with a functioning vermin-proof screen.
5b	The air vents are poorly designed (e.g. facing upwards) or unprotected (e.g. without a vermin-proof screen), which could allow contaminants to enter the storage tank.	<ul style="list-style-type: none">If the air vents are facing upwards, modify the vents so they face downwards.If the air vent screens are absent, cover the vents with vermin-proof screens.If the air vent screens are damaged or have wide gaps, replace with functioning vermin-proof screens.
6	The storage tank tap is in poor condition (e.g. damaged, severely corroded, leaking, dirty), which could allow contaminants to enter the water during collection, or result in water loss.	<ul style="list-style-type: none">If the tap is unclean, clean and disinfect the tap (e.g. with chlorinated lime).If the tap is damaged, repair or replace the tap as required.Communicate the importance of routine maintenance to the caretaker or owner.

MANAGEMENT ADVICE SHEET: Rainwater collection and storage

Corrective actions for risk factors (questions) in the SI form

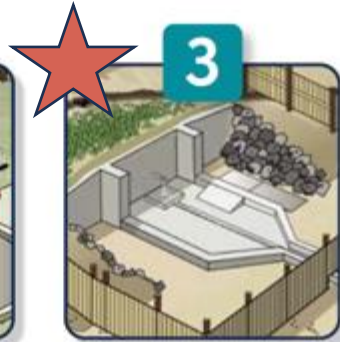
Scenarios covered by SI packages



Dug well with a hand pump



Dug well with a windlass



Spring



Tubewell with a hand pump



Borehole with a motorized pump



Rainwater collection and storage



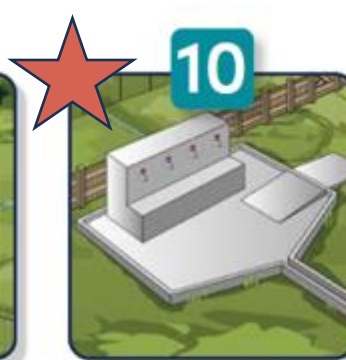
Surface water source and intake



Piped distribution: storage tank



Piped distribution: network



Piped distribution: tapstand



Filling station and water cart



Kiosk



Household practices

Panel discussion



David Cunliffe

Principal Water Quality
Advisor, SA Health,
Australia



Yvonne Magawa

Executive Secretary, Eastern
and Southern Africa Water
and Sanitation Regulators
Association (ESAWAS)



Tutut Indra Wahyuni

Deputy Director of WASH,
Ministry of Health,
Indonesia

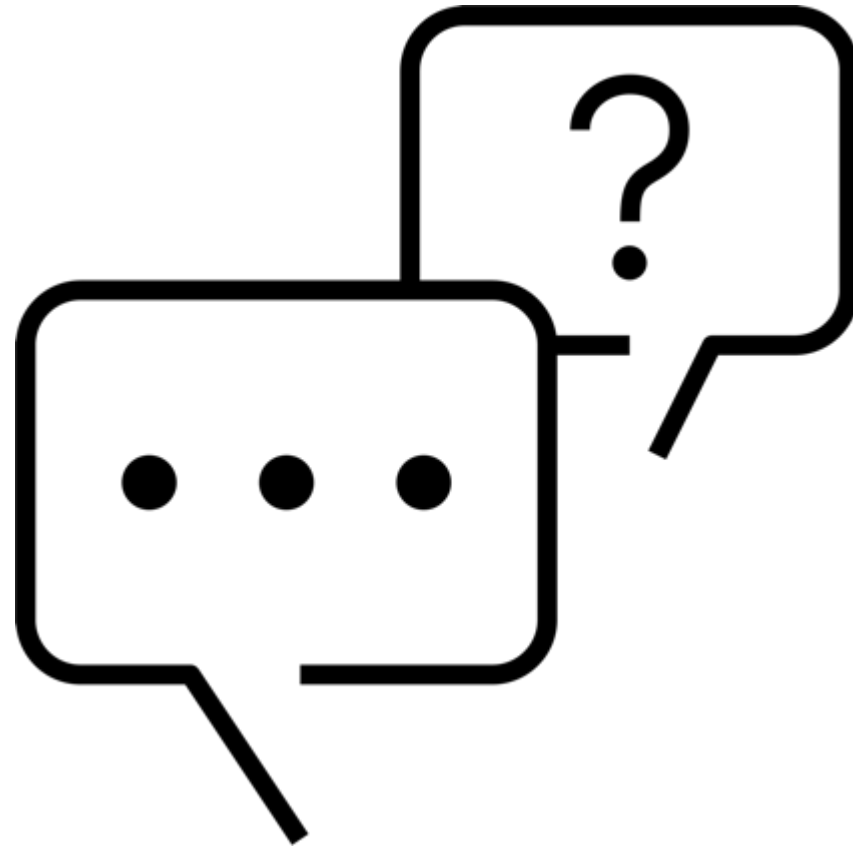


James MacKinnon

Director of Engagement &
Government Relations,
Atlantic First Nations Water
Authority (AFNWA), Canada

Open discussion

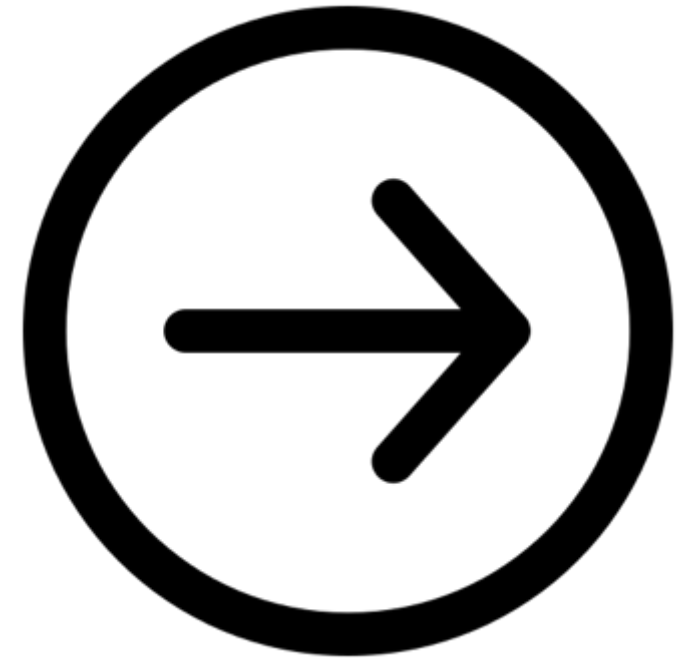
Questions or
comments?



What's next?

Next steps for Guidelines and SI tool dissemination:

- **French version** of the Guidelines (Q2 2024)
- **Training packages** related to Guidelines content
- Guidance on selecting **field test kits**
- Series of **technical webinars**
 - First webinar to be on **SI packages** (~Q2 2024)
 - **Seeking inputs** on topics for future webinars



Have a question? Reach out to our help desk at gdwq@who.int.

Future webinar poll

What topic for a follow-up technical webinar would be most useful to you?
(Please choose one.)

- A. Establishing **risk-based regulations** (e.g. prioritizing parameters, setting monitoring frequencies, requiring WSPs)
- B. **Implementing WSPs** in the context of small supplies
- C. Using WHO's new **sanitary inspection packages**
- D. Undertaking **risk-based surveillance**
- E. Strengthening **water quality monitoring capacity**



Words of thanks from WHO



Thank you,
WASH
community!

Bruce Gordon

Unit Head, Water,
Sanitation, Hygiene and
Health, WHO Headquarters



Thank you for joining the global launch of WHO's new resources for small drinking-water supplies!

- ❖ The **webinar recording** will be available on the WHO WASH website at <https://www.who.int/health-topics/water-sanitation-and-hygiene-wash>
- ❖ **Access the Guidelines and SI tools** at <https://www.who.int/publications/i/item/9789240088740> and <https://www.who.int/publications/i/item/9789240089006>
- ❖ To receive the latest news related to the Guidelines and SI tools, sign up to **WHO's WASH newsletter** (use QR code or visit <https://www.who.int/health-topics/water-sanitation-and-hygiene-wash>)
- ❖ To continue the discussion through RWSN, sign up for the **water quality Dgroup** at https://dgroups.org/rwsn/who_ssg

