

Think **Big**, Start **Small** and **Scale Up**

A roadmap to support country-level adoption of drinking water and sanitation safety plans- the risk-base management approach

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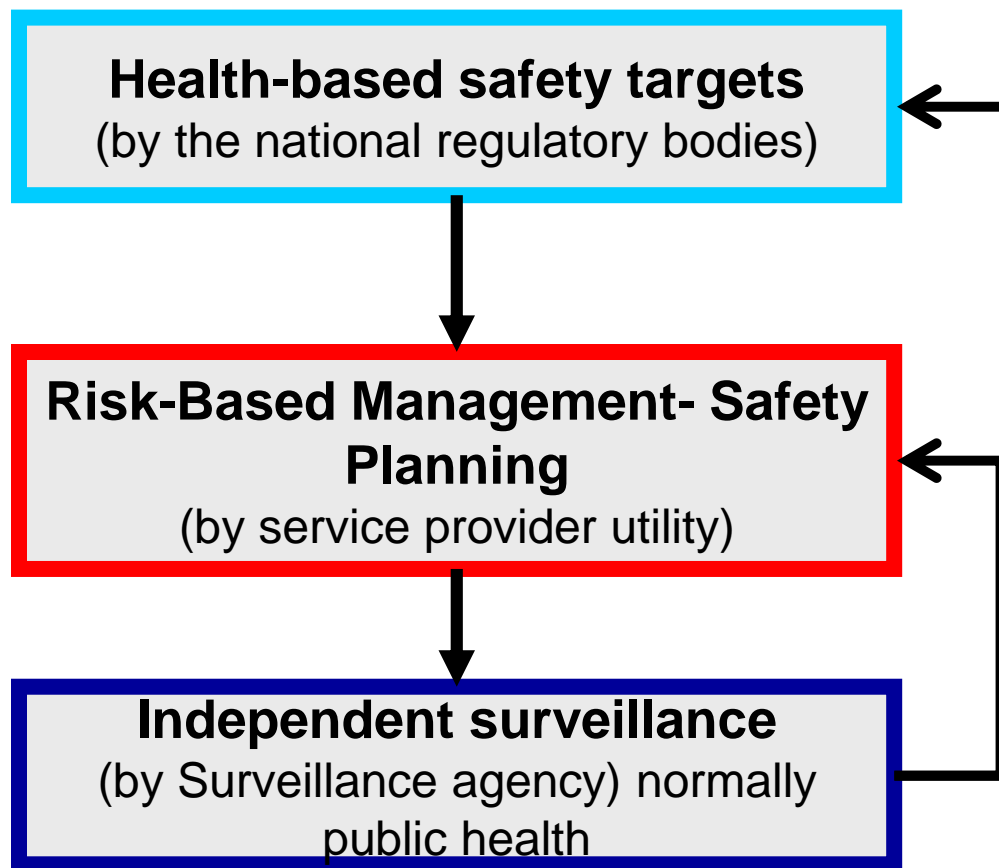
World Health Organization

Eastern Mediterranean Regional Office



WHO Core recommendation for safely managing drinking water and wastewater use

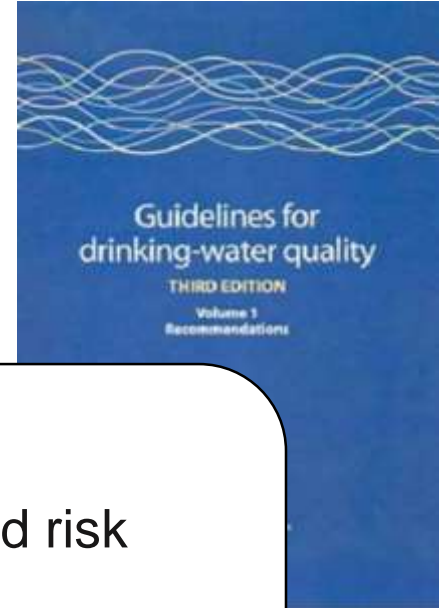
A preventative management framework



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Water Safety Planning

1st introduced by WHO in
Guidelines for Drinking-water
Quality (3rd Edition, 2004)



WATER SAFETY PLAN:

A comprehensive risk assessment and risk management approach

of the entire water system chain (all steps in the water supply from catchment to consumer)

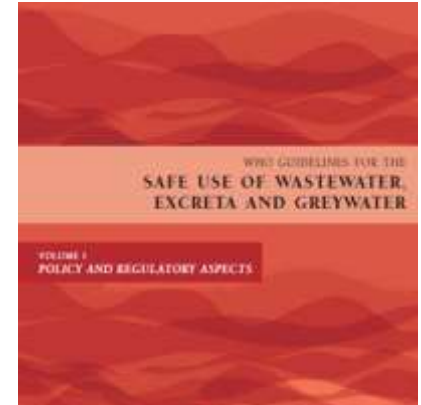
to ensure consistent safety of water supplies



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Sanitation Safety Planning

- 1st Introduced by WHO guidelines on safe wastewater use 2006
- Further defined in Sanitation Safety Planning Manual 2015



Sanitation SAFETY PLAN:

A comprehensive risk assessment and risk management approach

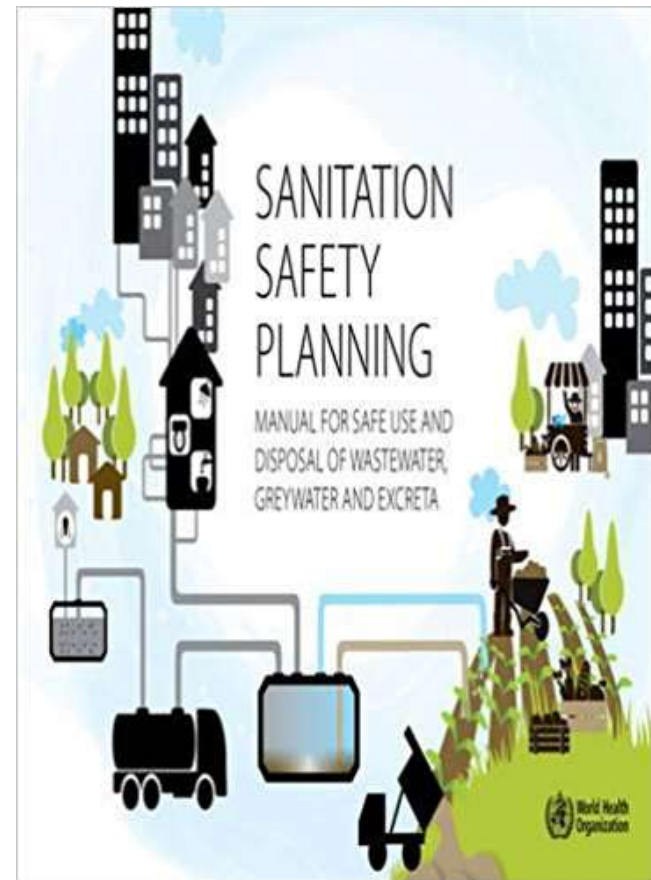
of the entire sanitation system chain (all steps in the sanitation system from generation to re-introduction into the environment)

to ensure consistent safety of sanitation system



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Guidance for good practice derived from global evidence



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What is Safety Planning?

A proactive management practice for the entire system chain to ensure safety by:

- ✓ understanding the complete system
- ✓ identifying where and how problems could arise
- ✓ putting barriers and management systems in place to stop the problems before they happen
- ✓ making sure all parts of the system continue to work properly

A Safety Plan is system-specific and is produced and continuously updated by the service provider engaging all stakeholders



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For Water Supplies, safety planning is a departure from compliance end-product testing

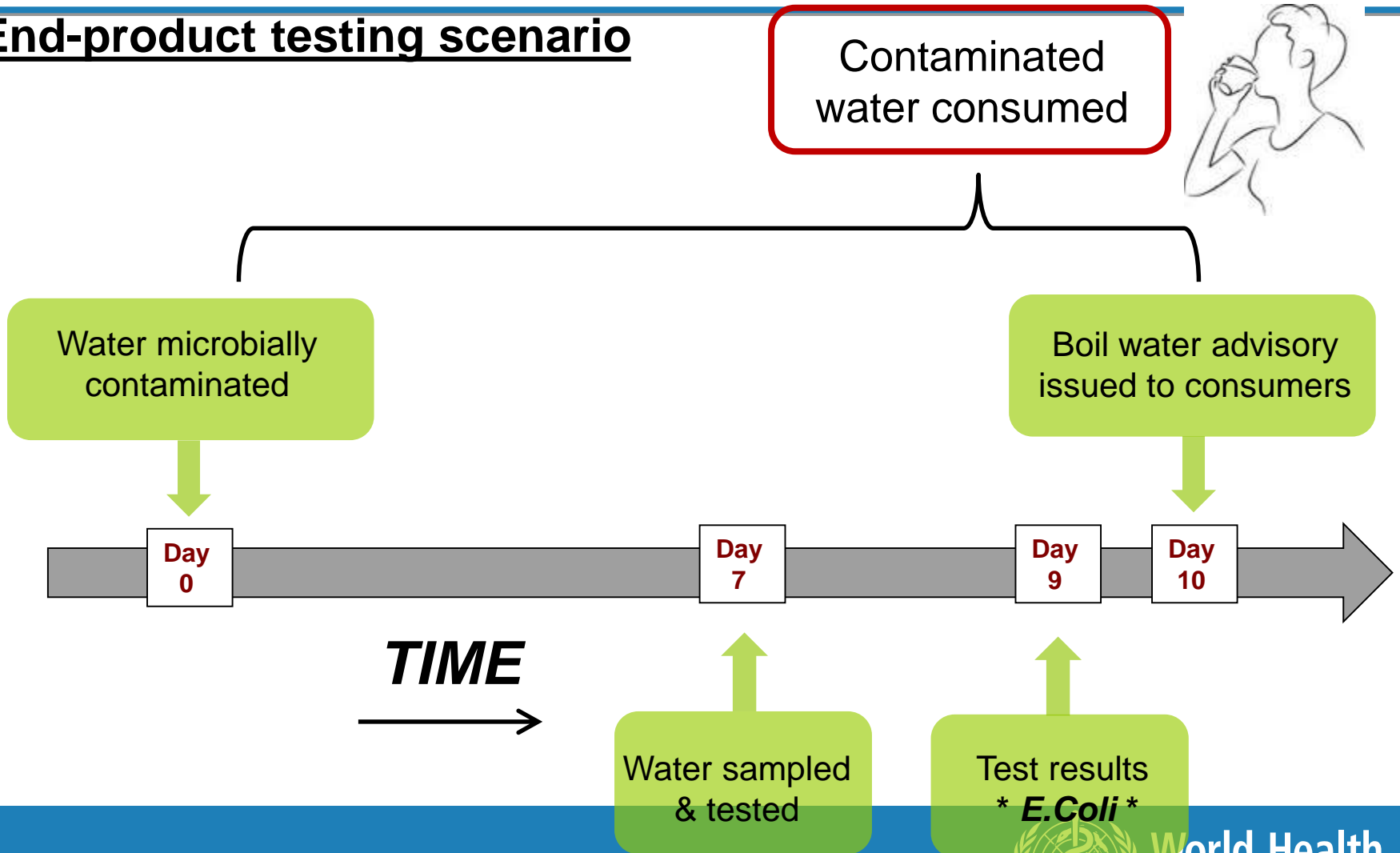
Without a risk management approach, water suppliers must rely on end-product testing to confirm water safety.



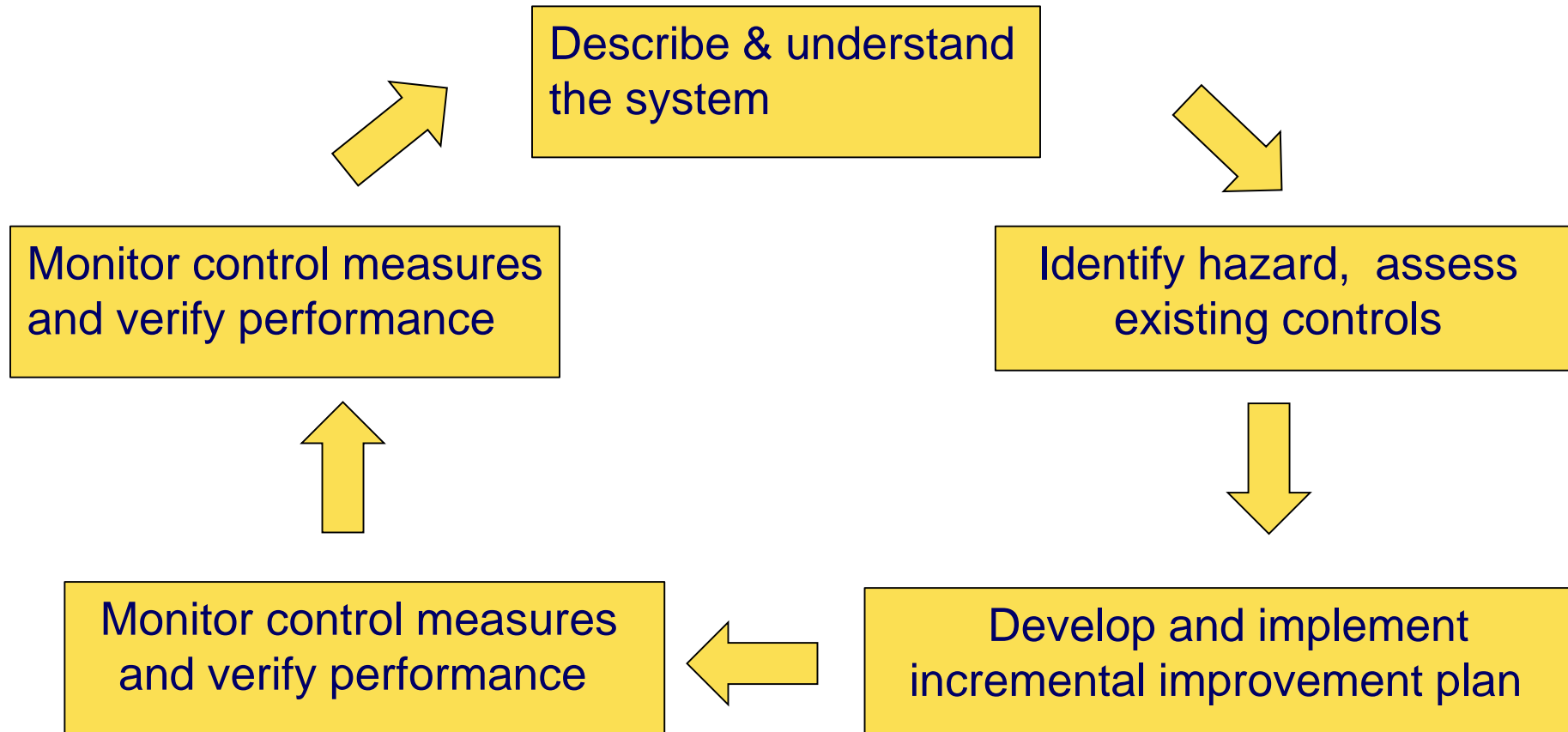
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Problems with end product testing!

End-product testing scenario



Safety Planning Steps –continuous cycle



Misconceptions about WSP & SSP approach

- **Our system works fine. We don't need safety plans!**
- **WSP or SSP is a document OR an investment plan** (*rather a risk-based management approach*)
- **A new concept** (*rather, it organizes and systematizes well-established best practice, much of which will be in place already*)
- **A one-time exercise** (*rather, it is a continuous management system cycle to be implemented, maintained and improved over the long term*)
- **An additional workload for service providers** (*rather, it represents what service providers should be doing, and it builds on existing procedures*)



Global Water Safety Plan uptake:



Policy support for WSPs:

Number of countries with WSP policies or regulations formally approved

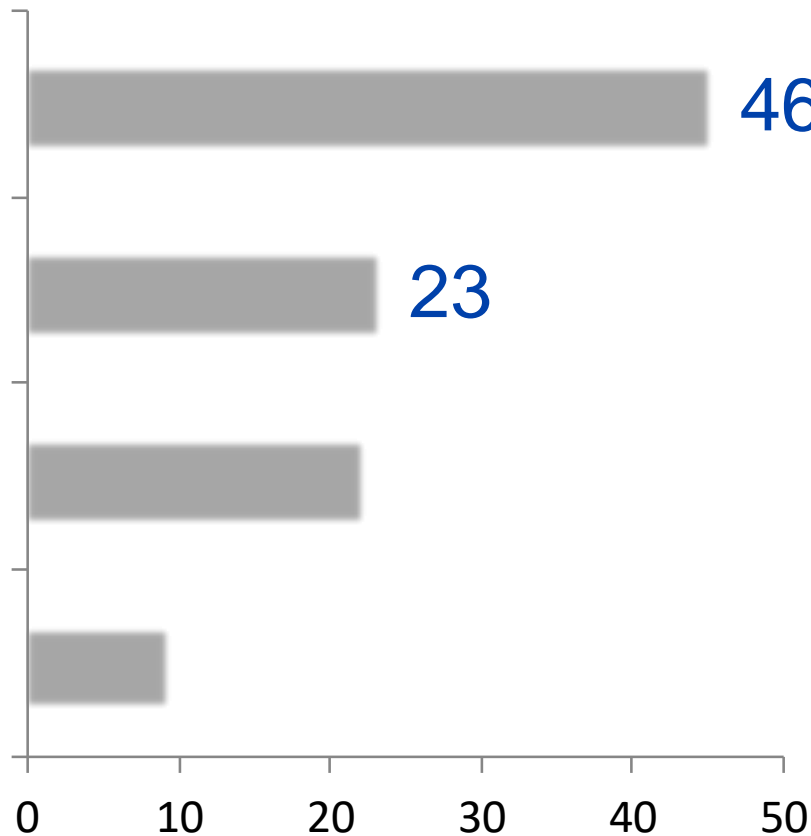
46

Number of countries with WSP policies or regulations under development

23

Number of countries with WSP policies or regulations anticipated

Number of countries with NO WSP policies or regulations



Total number of countries (n=99)

Driving forces to adopting SSP & WSPs



**Service
Providers**



Consumers



**Health
authorities**

SP OUTCOMES



- Improved system understanding
- Improved stakeholder collaboration
- Prioritized improvement needs
- Improved operations and management
- Improved infrastructure
- Leveraged financial support



SP IMPACTS



- Improved service delivery
- Improved product safety
- Improved health

Think Big, Start Small and Scale Up

Continued

1. Understand and appreciate the benefits
2. Establish a preliminary national vision with milestones and timeline
3. Attain practical experience through demonstration
4. Review experience and establish national plan for scaling up
5. Establish supportive mechanisms (e.g. training programmes, codes of practice, tools, utility-to-utility partnerships)



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6. Establish policy and regulation (e.g. empower institutions, legislative and financial instruments)

7. Implement SSP and WSPs

8. Establish active surveillance and benchmarking system to verify effectiveness and help utilities measure progress and compare performance



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Thank you

