

Small-scale water supplies and sanitation: Achievements 2014-2016

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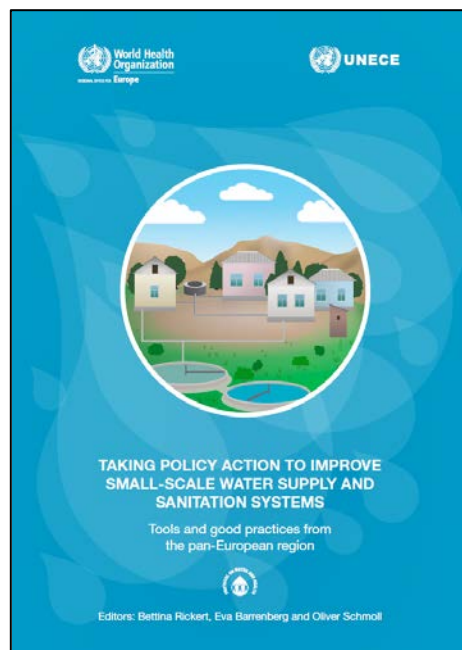
Umwelt 
Bundesamt



Fourth session of the Meeting of the Parties
Geneva, 14-16 November 2016



Main achievements in this area of work



a) Development of a policy guidance document



b) Improving the evidence base and implementing field demonstration projects



c) Information sharing and regional networking

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- a. Development of a policy guidance document
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Policy guidance document

Expert group meetings - working on the policy guidance document: Berlin (30-31 January 2014), Bonn (12-13 June 2014)
Financially supported by Germany

Peer review

Final checking by WHO



Policy guidance document

➤ Why should you read this document?

- * It shows you that there are **numerous ways to improve small systems** – there is something in this box of chocolate for everyone!
- * It does not only describe dry theory – focus on **practical case studies!**
- * **42 examples from 18 countries** across the entire region!

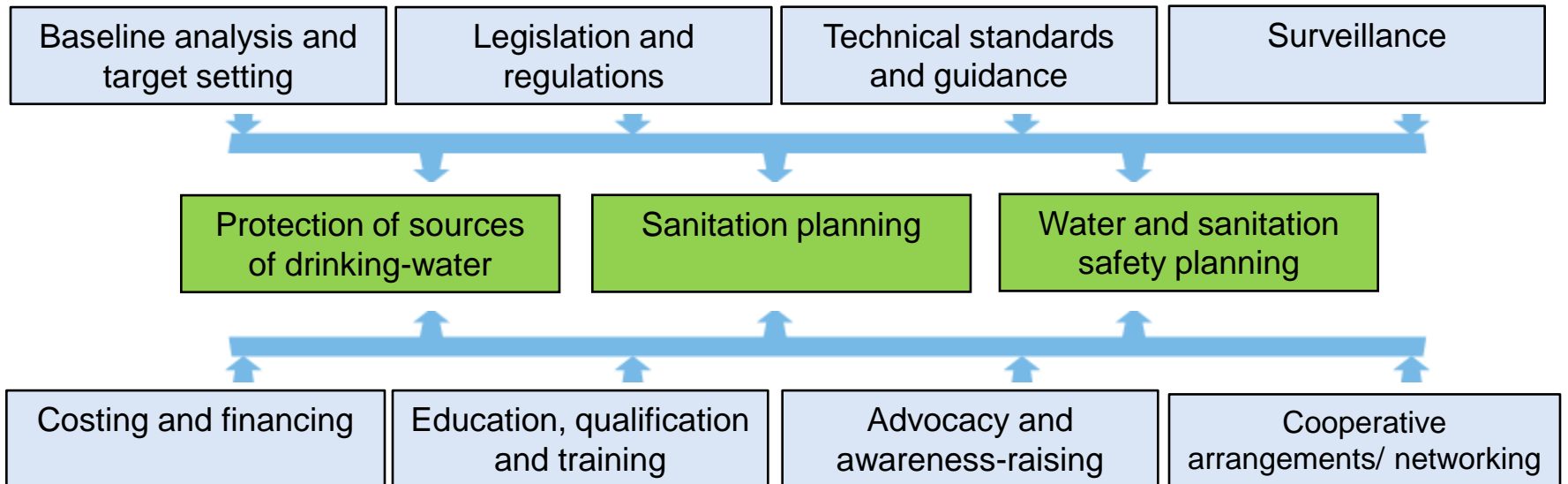
Policy guidance document

➤ Why should you take action as illustrated in the document?

- * In the WHO European Region, an investment of US\$ 1 in small-scale water supplies results in a mean return ranging from US\$ 2-21
- * Strong links exist between the provision of safe drinking-water and safe sanitation practices – holistic approach



Policy guidance document



Policy guidance document

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- Box 2.** Sustainability
- Box 3.** Drinking-water in the United Kingdom
- Box 4.** International
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- Box 14.** Awareness
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- Box 16.** Framework
- Box 17.** National

Box 7. Examples of legal and regulatory requirements

- In **Denmark** the requirement for water quality is mandatory monitoring, depending on the size of the water supplies also applies to small-scale water supplies.
- Regulations in **England** specify that the local authority monitor small-scale (“private”) supplies (70), in accordance with the utilities (71).
- **Finland** has issued separate legislation for residential water supply serving <50 consumers or providing water according to the legislation, local health authorities monitor the water quality in their regions (72).

Box 8. Examples of legal and regulatory requirements

- According to **Finnish** law, there must be an agreement between the municipality and the utility company in order in such a way that it does not harm the water supply (study 4 from Finland).
- In the **Netherlands** Article 10.33 of the Environmental Management and the Environment (74) stipulates that even if the system achieves the same degree of environmental protection as the municipal wastewater, separate treatment of municipal wastewater, separate treatment achieves the same degree of environmental protection.
- Many EU countries have lower requirements for water quality. For example, in **Latvia** the required treatment plant capacity is based on the oxygen demand, while it is 70–90% of the oxygen demand in the receiving water body. The legislation specifies “an appropriate protection authority (75).

Boxes, including information from survey

Case studies from across the entire region

Case study 26. Municipal associations for water supply and sewerage in the Czech Republic

From the 1950s in the Czech Republic 11 large state enterprises exclusively operated drinking-water supplies and sewerage systems. They were organized on a regional basis and took care of the management and development of the respective infrastructure. In 1993 the government entrusted all water supply and sewerage infrastructure, as well as the responsibilities and rights to manage these services, to the relevant municipalities; this led to the creation of more than 1200 small operators. Rural municipalities in most cases owned their water supply infrastructure and in some cases also operated it.

Small villages soon realized that it would be better to join forces with neighbouring municipalities, and several municipal associations were established to manage drinking-water supply and sewerage systems. One such example is Vodovody a kanalizace, svazek obcí se sídlem v Trebici [Water Supplies and Sewerage Association of Municipalities in Trebic], which was established in 1993 by 75 municipalities, mostly small towns and villages but also including the former district capital Trebic. By 2012, 123 municipalities had joined. The Association has an agreement with Vodarenska a.s. (a water management company), which operates under licence all supply and sewerage systems owned by the Association, serving about 100 000 people in total. Although local conditions and operational costs differ, there is a unified price for water in all municipalities, which has to be agreed by all members of the Association.

The main advantage for municipalities is that they need only invest a small effort to secure regular water supply and wastewater removal. The five employees of the Association manage preparation, financing and implementation of all construction activities.

National workshops applying the policy guidance document and national

Former Yugoslav Republic of Macedonia (Skopje, 17 June 2015)

- * Specific challenges related to SSWSS and capacities of the government to address these in policies
- * Relevance of SSWSS as target areas

Kyrgyzstan (Bulan Sogottu, 21–22 September 2015)

- * Aspects of SSWSS and possible related policy action
- * Key next steps for improvement, stakeholder involvement

Albania (Tirana, 28-29 September 2016)

- * Supporting development of national targets
- * Building capacities towards improving management and public health surveillance of SSWSS in Albania

National consultations in Serbia and Armenia

Main achievements in this area of work

- a. Development of a policy guidance document
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Improving the evidence base

➤ Status of small-scale water supplies in the Region

- *First time this regional data is collected
- *Response rate of 81%
- *Covers both individual wells and small-scale public systems
- *Presents baseline information on small water supplies, but also demonstrates areas of data gaps



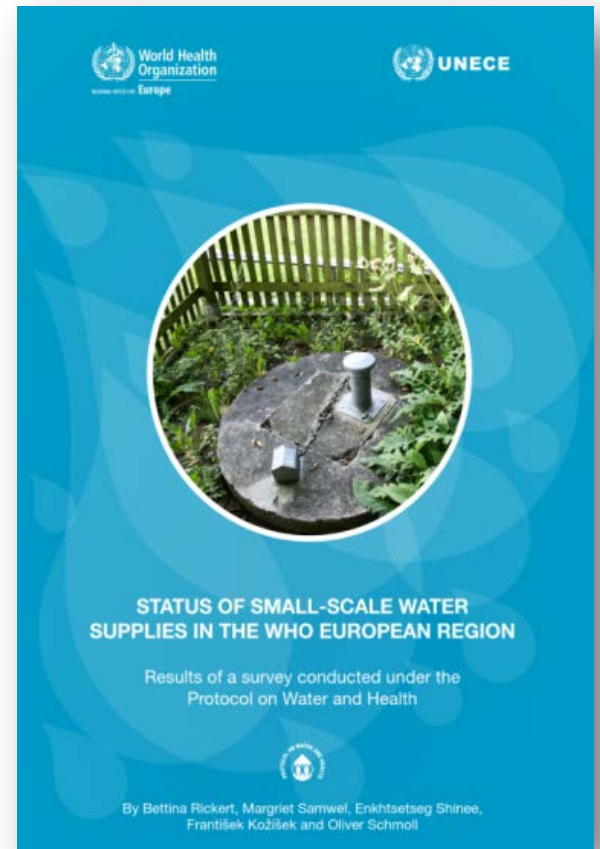
Improving the evidence base

*Definitions vary– small-scale water supplies, decentralized, non-piped

*Almost ¼ of the population rely on SSWS

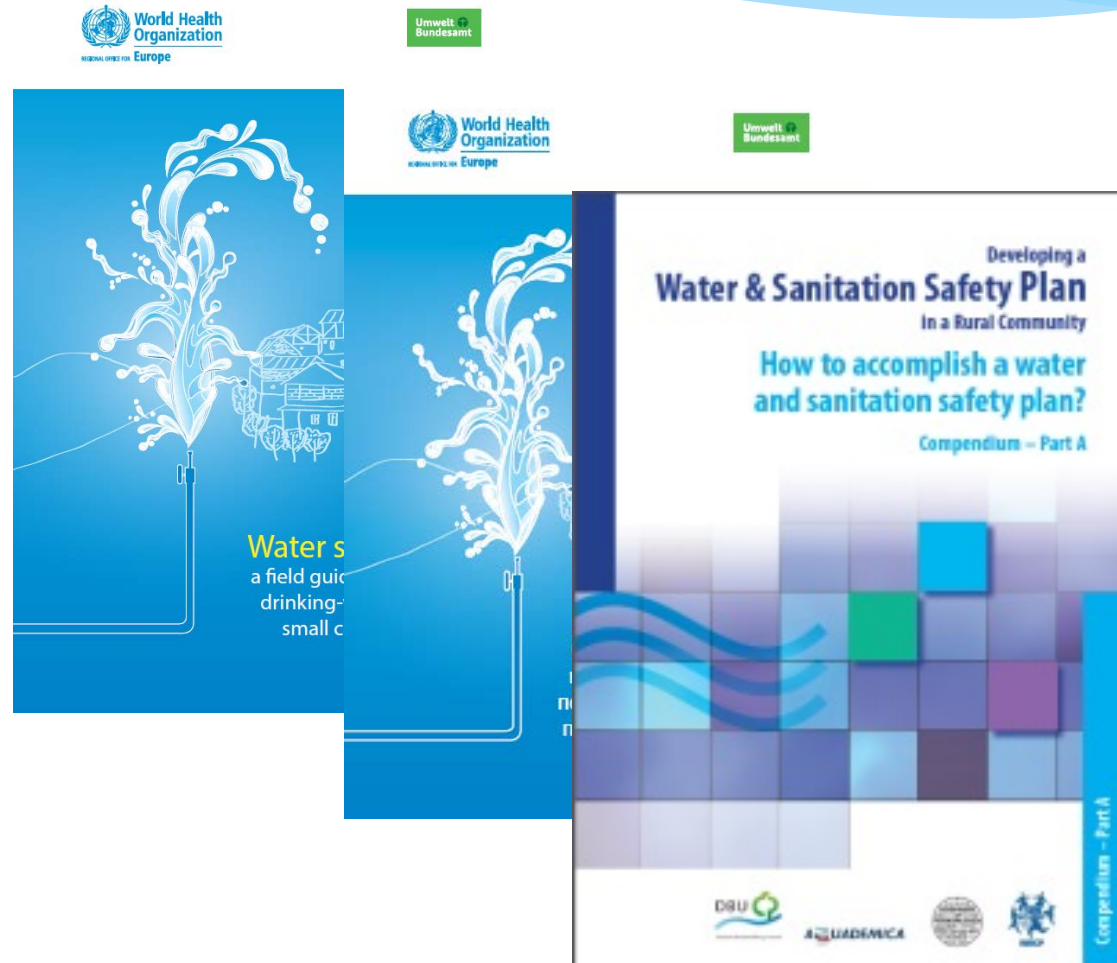
*In 5% of the cases, neither independent surveillance nor self-checking required for SSWS – lack of data relevant for SDG reporting

*No minimum qualifications or competences required for operators of small public supplies in 48% of the responses



Implementing field demonstration projects

Tools for safe management of small systems – link to programme area 5



WSP field guide available in English and Russian at <http://www.euro.who.int/en/publications/abstracts/water-safety-plan-a-field-guide-to-improving-drinking-water-safety-in-small-communities>

WSSP compendium available in English, Macedonian, Romanian and Russian at <http://www.wecf.eu/english/publications/2014/WSSP-Publication.php>

Field demonstration projects applying the tools

**WSSP in Romania and the
former Yugoslav Republic of Macedonia**

WSP facilitators' training TJK

Classroom based training

RA of the water source

Awareness raising World Water Day

Field visit to small water supply

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Information sharing and regional networking

- * **The seventh meeting of the International Small Community Water Supply Management Network (in Bishkek, June 2014, Kyrgyzstan)**

Objective: promote collaboration, exchange of information and experiences between EECCA countries and the network - possibilities for collaboration and mutual support

- * Attended by representatives from **12 countries from the EECCA** region, as well as international experts
- * Financed under the Advisory Assistance Programme of Germany



Report of the
seventh meeting of the
International Small Community Water Supply Management
Network:
Focus on the European Region

Bishkek, Kyrgyzstan

26–27 June 2014



Information sharing and regional networking

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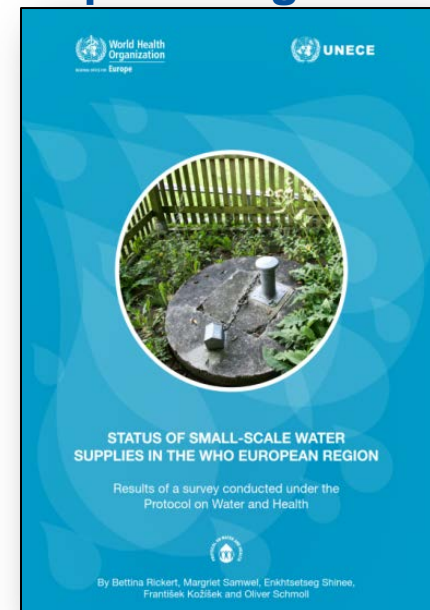
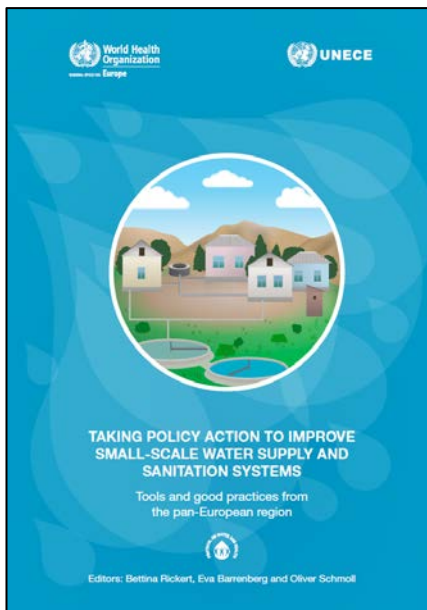
- * Inspiration for setting targets on SSWSS
- * Confirmed the added value of one-off RADWQ's for SSWSS
- * Input to revision of Vol 3 GDWQ
- * Introduced and launched new WSP tools for small systems
- * Identified possibilities for collaboration, mutual support and knowledge exchange between EECCA countries

Side event

Small-scale water supplies and sanitation in the European Region

15 November 13.30-14.30 hrs

room E1014/16



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