

Small-scale Water Supplies and Sanitation

Status of work

Bettina Rickert and Sascha Gabizon

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Geneva



Work Programme 2011-2013 /1

- **„Cross-cutting“ issue:** Small-scale water supplies and sanitation – approved by the 2nd MOP in Bucharest (November 2010)
- **Lead Parties** and organizations:
 - Germany and Czech Republic
 - Women in Europe for a Common Future (WECF)

Work Programme 2011-2013 /2

● Activity areas:

- Development of policy guidance document
- Improvement of evidence base: questionnaire
- Translation of WHO water safety planning guidance for SWS into Russian
- Facilitating sharing of experience and enhanced regional networking
- Field work

● Responsible bodies: Expert group approach

Milestones since MOP 2

- **Initial planning meeting** (Prague, January 2011)
- **Extended lead-party meeting** (Berlin, June 2011)
- **WGWH** (Geneva, November 2011)
 - Draft questionnaire
 - Outline of policy guidance document
- Preparation and distribution of **questionnaire** (June 2012)
- Translation of **WSP guidance** into Russian (July 2012)
- **Field projects** completed in TJK, GEO and Bulgaria
- Preparation of draft **policy guidance** (May 2013)
- **Extended lead-party meeting** (Berlin, June 2013)

Policy guidance document /1

- Nature of guidance document:
 - Integrated perspective on “drinking-water” and “sanitation”
 - Driven by “best practice case studies” serving as success stories
 - Promote target setting in this area for Parties to the Protocol
 - Flag equitable access
 - Stress need for inter-institutional collaboration
 - Need for adaptation of solutions and prioritization
- Main target audience:
 - Decision makers at national, regional and local level (e.g. regulators)
 - Policy arena (*those who make strategic decisions*)

Policy guidance document /2

- Status of development
 - Draft has been developed, including numerous case studies
 - Combined document on drinking water and sanitation
- Extended lead-Party meeting:
 - Outline re-arranged
 - Need for shortening
 - Further link of drinking water and sanitation
 - Next steps and responsibilities agreed

General new structure of document

- Foreword
- “*Problem statement*”
- “*Encouragement statement*”
- Baseline analysis & target setting
- Individual policy instruments and programs
 - Legislation
 - Organizational framework and partnership arrangements
 - Financial aspects
 - Design and management standards
 - Networking
 - Education and qualification
 - Awareness raising
 - Water, sanitation and hygiene planning
 - Resource protection
 - Sanitation zoning
 - Surveillance

Suggested next steps and timeline

- Develop extended outline, including 2 chapters to be presented to the MoP (November 2013)
- Circulate consolidated revised draft (2nd draft) within the expert group
- Extended lead-Party meeting (January 2014)
- Develop revised draft (3rd draft) (March 2014)
- Peer review
- Revised final draft (4th draft) for next meeting of the WGWH in 2014

Questionnaire /1

- **Purpose:** Improve evidence base, NOT compare countries
- **Thematic areas addressed:**
 - Regulations
 - Numbers and types of supplies
 - Raw water sources
 - Operators and organization
 - Water quality
- Outline aligned with format of reporting under the Protocol
- Mixture of tick boxes and free text answers

Questionnaire /2

- Questionnaire distributed in June 2012:
Focal points and WHO CO
- Return rate (*as of 11 June 2013*): 43 countries (81 %)
- Parties, signatories and others
- In some cases several answers from countries
- Preliminary information included in draft policy guidance document
- **Next step:** detailed data assessment

Questionnaire /3

- Assessment challenging due to extensive text answers
- Preliminary statistical assessment:
 - 79% of the questionnaires: regulations for source water protection measures in small-scale water supply catchments
 - 77% of the questionnaires: active coordination and cooperation between small-scale water supplies' and sanitation institutions
 - 56 % of the questionnaires: regular independent surveillance required, 63 %: regular self-checking required
 - 44% of the questionnaires: minimum qualification or competence requirements for operators of small public water supplies, 40% have relevant qualification or training programmes

Sanitation – GWP Regional Study in Central and Eastern Europe (CEE)

GWP CEE Regional Study carried out in 2011-2012 -

Natural processes of wastewater treatment – Actual status in CEE countries

- Questionnaire: Replies by national experts
- 12 CEE countries: Bulgaria, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Moldova, Poland, Romania, Slovak Republic, Slovenia, Ukraine
- [Published on http://www.gwp.org/en/GWP-CEE/gwp-cee-in-action/news-and-activities/Rural-population-left-behind-with-limited-access-to-sanitation/](http://www.gwp.org/en/GWP-CEE/gwp-cee-in-action/news-and-activities/Rural-population-left-behind-with-limited-access-to-sanitation/)
- In addition: Albania, Armenia, Bosnia/Herzegovina, Georgia, Montenegro



GWP CEE Regional Study

Natural processes of wastewater treatment – Actual status in CEE countries

● Main outcomes

- More than **30% of population live in settlements with less than 2000 inhabitants** (> 42 Mio people)
- 60% of total inhabitants is connected to WWTP
- There is **expert and scientific knowledge** on natural wastewater treatment systems in the region
- **Transfer into practice is poor**
- **Low awareness and recognition** of natural ww treatment systems in institutional and administrative level
- **Lack of good examples** in majority of the countries



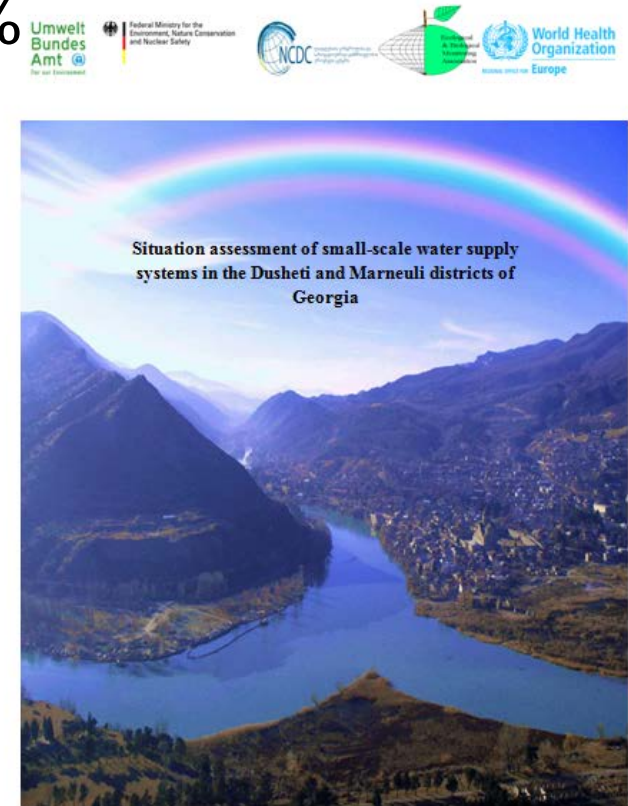
International support /1

- Demonstration program in **Georgia**:
 - Baseline analysis of status of small-scale water supplies in two districts (DW-quality, SI, source to household)
 - Training of local authorities
 - 260 water samples and sanitary inspections
 - Analysis for microbial and chemical drinking water quality



International support /2

- 40 / 32 % compliance *E.coli*, 26 / 20 % overall compliance
- 24 / 40 % need urgent attention
- Chemical contamination not of concern
- Informing future framework development
- Funded by BMU/UBA, Germany
- <http://www.umweltbundesamt.de/ius/47-3-B-EN.pdf>



International support /3

- Demonstration program in **Tajikistan**:
 - Small-scale water supplies in 3 pilot districts
 - On-site fact-finding and SI
 - WSP training to national, regional and local water experts (facilitators)
 - Implementation and support of WSP pilots



International support /4

- Demonstration program in **Tajikistan**: Awareness raising brochure and templates

WSP Task 2

Describe the community water supply


Template 2-A

Map of water supply system



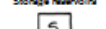


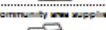
Template 2-A on the back side supports you in implementing and documenting WSP Task 2. Once this template is completed, it becomes part of your WSP documentation binder.

Draw up a map of your water supply system. The map should show the layout and location of the main features using graphic elements but also additional descriptive text.

Uses surrounding the water source or abstraction points which may pollute the source water:

		
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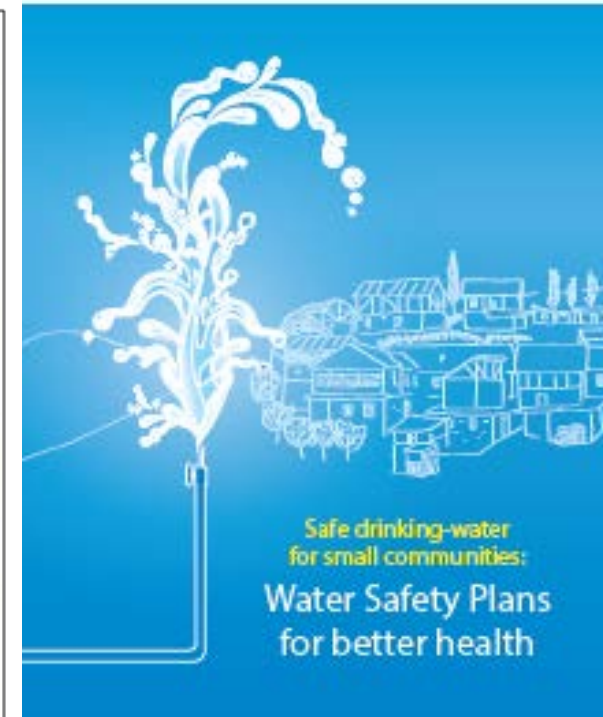
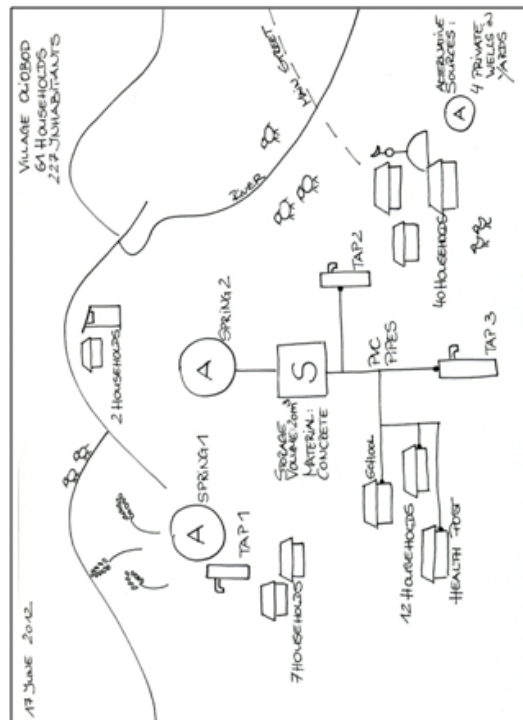
Water supply infrastructure:

Draw the map on the next page. If the one page is not enough to show enough detail, please use more pages.

To complete WSP Task 2, also use Template 2-B. Complete the information you entered into Template 2-B with the information you entered into this template. This way you ensure you cover all main components of your water supply system in the description.

The following example illustrates the type of map required for completing Template 2-A. The example serves solely for illustration purposes.



Tajikistan: templates

WSP Task 2

Describe the community water supply

Template 2-A

Map of water supply system







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Draw up a map of your water supply system. The map should show the layout and location of the main features using graphic elements but also additional descriptive text.

Uses surrounding the water source or abstraction points which may pollute the source water:

Sanitation facility 	Livestock keeping 	Farming and gardening 
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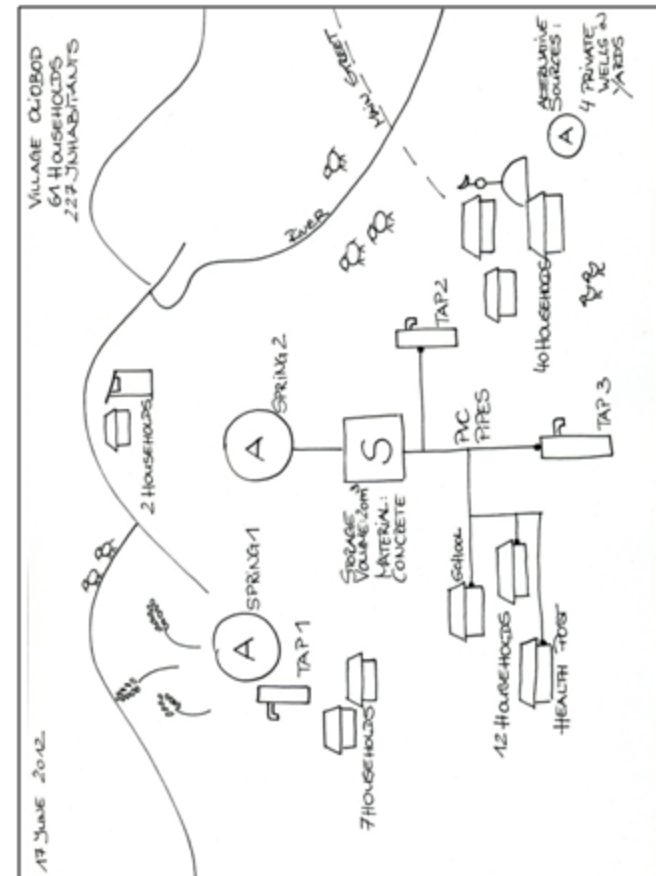
Water supply infrastructure:

Abstraction point 	Intake facility 	Storage reservoir 
Main distribution pipe 	Public tap or collection point 	Community area supplied 

Draw the map on the next page. If the one page is not enough to show enough detail, please use more pages.

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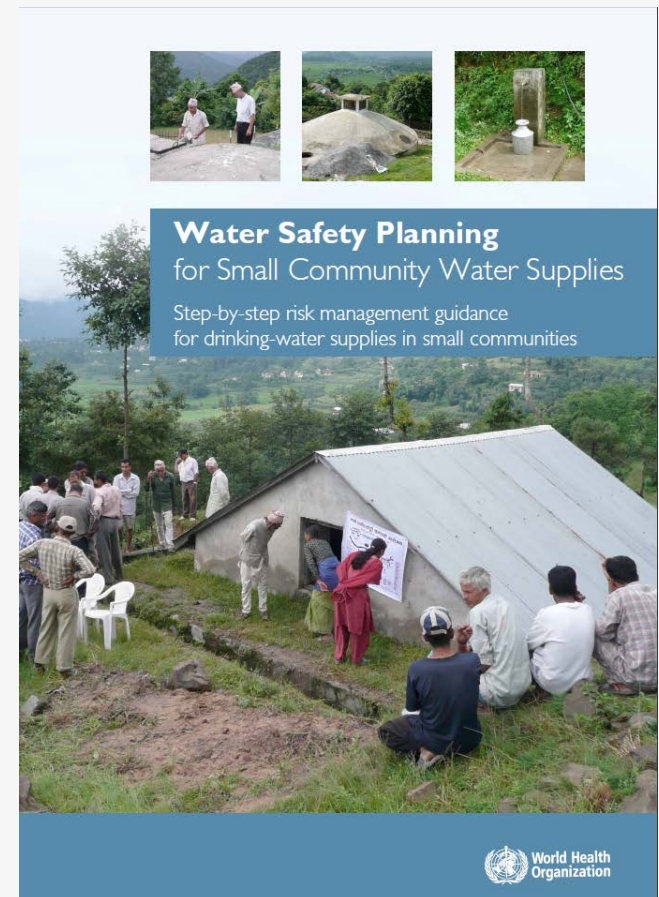


WSP guidance for small supplies

- Guidance manual facilitates WSP in small supplies
- Published July 2012
- Russian translation funded by German BMU/UBA Advisory Assistance Programme

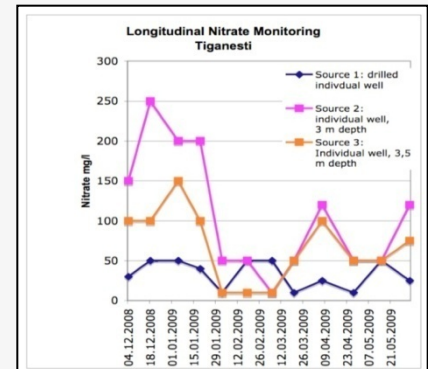
http://www.who.int/water_sanitation_health/publications/2012/water_supplies/en/index.html

http://www.who.int/water_sanitation_health/publications/2012/water_supplies/ru/index.html



WSP for rural settings involving schools

- WECF and network has been working since 2008 on Water Safety Plans in Rural Areas (7 countries, 30 schools)



WSP Compendium for rural settings

Providing more structure – more background information

- **Structure of most modules:**

- Summary of content, objectives
- Information about a specified water issue
- Experiments and questions
- WSP related activities
- Text sources and further reading

*downloadable in
Bulgarian and English
language at
www.wecf.eu*

*And on
www.wsportal.org*



WSP Compendium for rural settings

Providing more structure – more background information

2 Modules: General information on WSP for small scale water supply systems

11 Modules: Educative information on e.g. general water issues, drinking water sources, d.w. treatment, regulations, etc.

6 Modules: Suggestions for practical activities, risk assessment forms, questionnaires, examples of processing the collected data



Thank you

