World Health Organization
REGIONAL OFFICE FOR Europe

Organisation mondiale de la Santé
BUREAU RÉGIONAL DE L' Europe

Weltgesundheitsorganisation
REGIONALBÜRO FÜR Europa

Всемирная организация здравоохранения
Европейское региональное бюро

Safe and efficient management

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Programme of work 2014-2016

- **Programme area 4:** safe and efficient management of water supply and sanitation systems
  - Promotion and capacity building on water safety plans (WSPs) and sanitation safety plans (SSPs) through national, sub-regional and regional events
  - Development of field guidance
  - Exchange of experience on safe and efficient management
  - Special attention to water losses and wastewater management

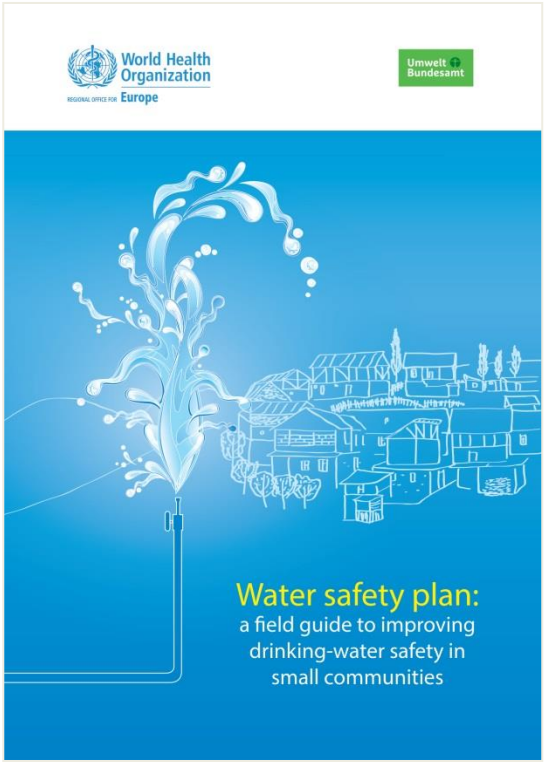
- Lead Party and organization: **Portugal and IWA**

WSPs are relevant for target setting

- Recommended by WHO Guidelines since 2004
- Public health benchmark for safe drinking water
- Risk management from catchment to consumer
- Benefits broadly confirmed
- Significant policy momentum in Europe

Country	WSP-related targets
Armenia[a]	• Develop methodology and legal basis for WSPs by 2016 • Develop and implement WSPs in five communities by 2020
Hungary	• Promote good practice in water-supply management (indicator: number of water supplies using WSPs)
Kyrgyzstan[b]	• Organize development and approval of WSPs for two cities (Bishkek and Osh) by 2015 • Organize development and approval of WSPs for other cities and regional centres by 2020
Republic of Moldova	• Set up WSPs for all cities and other settlements with populations of over 5000 people by 2020
Tajikistan[a]	• Develop WSPs in five major cities by 2015 • Develop WSPs in 30 rural communities by 2017

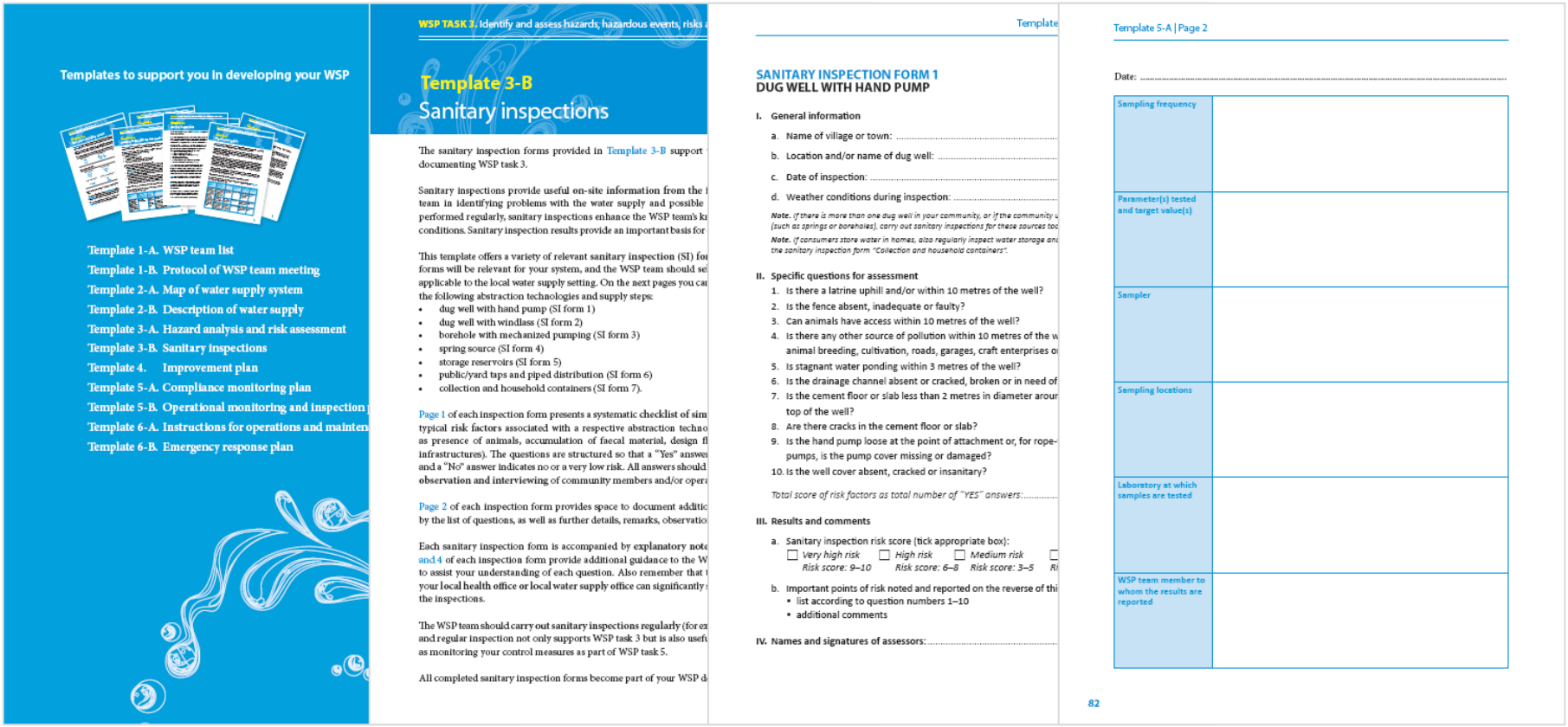
WSP field guide (2014)



- Step-by-step WSP introduction for field staff:
  - Small community/town operators
  - Local agencies/NGOs which support WSP implementation
- Hands-on advice in plain language
- Ready-to-use templates
- Available in Russian and English

Source: http://www.euro.who.int/en/health-topics/environment-and-health/water-and-sanitation/publications/2014/water-safety-plan-a-field-guide-to-improving-drinking-water-safety-in-small-communities

WSP field guide (2014)



Templates to support you in developing your WSP

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

WSP TASK 3. Identify and assess hazards, hazardous events, risks

Template 3-B
Sanitary inspections

The sanitary inspection forms provided in Template 3-B support documenting WSP task 3.

Sanitary inspections provide useful on-site information from the team in identifying problems with the water supply and possible performed regularly, sanitary inspections enhance the WSP team's kn conditions. Sanitary inspection results provide an important basis for

This template offers a variety of relevant sanitary inspection (SI) fo forms will be relevant for your system, and the WSP team should se applicable to the local water supply setting. On the next pages you ca the following abstraction technologies and supply steps:

- dug well with hand pump (SI form 1)
- dug well with windlass (SI form 2)
- borehole with mechanized pumping (SI form 3)
- spring source (SI form 4)
- storage reservoirs (SI form 5)
- public/yard taps and piped distribution (SI form 6)
- collection and household containers (SI form 7).

Page 1 of each inspection form presents a systematic checklist of sim typical risk factors associated with a respective abstraction techno as presence of animals, accumulation of faecal material, design fl infrastructures). The questions are structured so that a "Yes" answe and a "No" answer indicates no or a very low risk. All answers should observation and interviewing of community members and/or oper

Page 2 of each inspection form provides space to document additio by the list of questions, as well as further details, remarks, observatio

Each sanitary inspection form is accompanied by explanatory note and 4 of each inspection form provide additional guidance to the W to assist your understanding of each question. Also remember that your local health office or local water supply office can significantly the inspections.

The WSP team should carry out sanitary inspections regularly (for ex and regular inspection not only supports WSP task 3 but is also usef as monitoring your control measures as part of WSP task 5.

All completed sanitary inspection forms become part of your WSP d

Template

SANITARY INSPECTION FORM 1
DUG WELL WITH HAND PUMP

I. General information

a. Name of village or town: .....
b. Location and/or name of dug well: .....
c. Date of inspection: .....
d. Weather conditions during inspection: .....

Note. If there is more than one dug well in your community, or if the community u (such as springs or boreholes), carry out sanitary inspections for these sources too
Note. If consumers store water in homes, also regularly inspect water storage an the sanitary inspection form "Collection and household containers".

II. Specific questions for assessment

1. Is there a latrine uphill and/or within 10 metres of the well?
2. Is the fence absent, inadequate or faulty?
3. Can animals have access within 10 metres of the well?
4. Is there any other source of pollution within 10 metres of the w animal breeding, cultivation, roads, garages, craft enterprises o
5. Is stagnant water ponding within 3 metres of the well?
6. Is the drainage channel absent or cracked, broken or in need of
7. Is the cement floor or slab less than 2 metres in diameter arou top of the well?
8. Are there cracks in the cement floor or slab?
9. Is the hand pump loose at the point of attachment or, for rope- pumps, is the pump cover missing or damaged?
10. Is the well cover absent, cracked or insanitary?

Total score of risk factors as total number of "YES" answers:.....

III. Results and comments

a. Sanitary inspection risk score (tick appropriate box):
☐ *Very high risk* *Risk score: 9–10* ☐ *High risk* *Risk score: 6–8* ☐ *Medium risk* *Risk score: 3–5*
b. Important points of risk noted and reported on the reverse of thi
- list according to question numbers 1–10
- additional comments

IV. Names and signatures of assessors: .....

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Template 5-A | Page 2

Date: .....

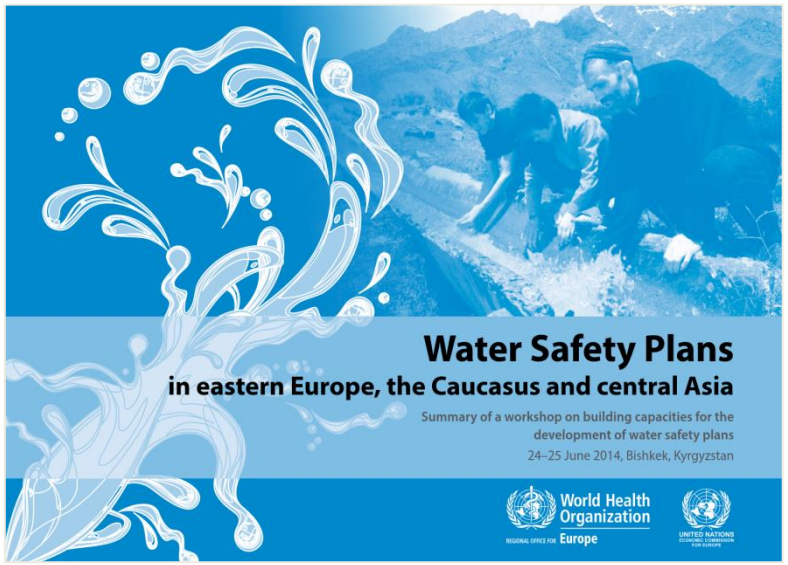
Sampling frequency	
Parameter(s) tested and target value(s)	
Sampler	
Sampling locations	
Laboratory at which samples are tested	
WSP team member to whom the results are reported	

WSP policy road map (2010)

- Targeting regulators tasked with revising or developing drinking-water quality policies
- Conceptual framework and building blocks for introduction and scale-up of WSPs at country level
- Now available in Russian

Source: http://www.who.int/water_sanitation_health/dwq/thinkbig_small.pdf?ua=1

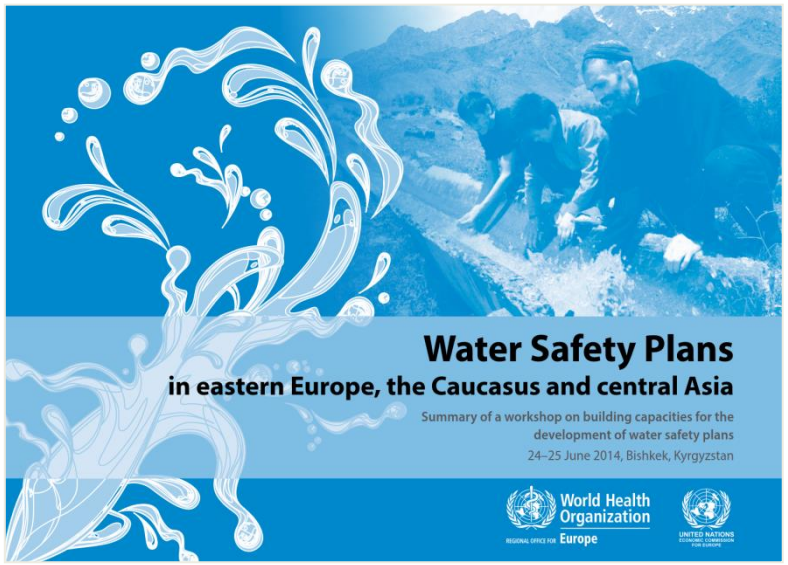
WSP capacity building (2014)
Sub-regional workshop for EECCA countries



Source: http://www.euro.who.int/en/health-topics/environment-and-health/water-and-sanitation/publications/2014/water-safety-plans-in-eastern-europe,-the-caucasus-and-central-asia

- Increase knowledge and awareness among national stakeholders to appreciate the value of WSPs
- Review status of WSP-related policies and programmes
- Identify barriers hindering WSP uptake and support needs
- Sharing experiences in supporting WSP implementation

WSP capacity building (2014)
Sub-regional workshop for EECCA countries



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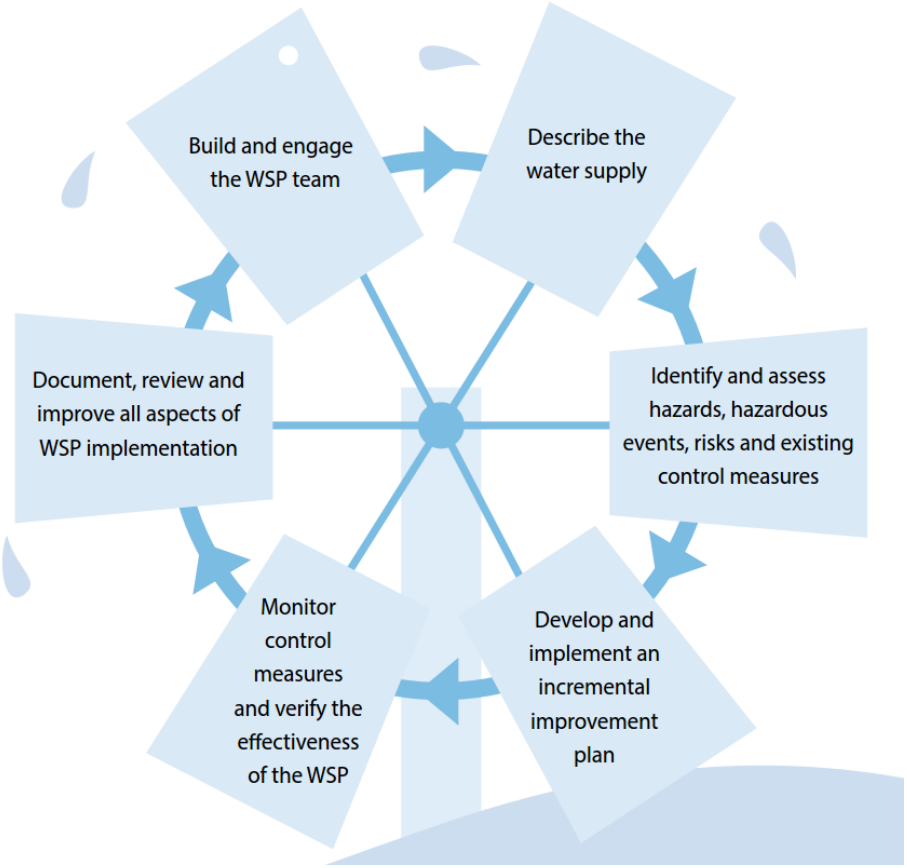
- 78 delegates from water and health domain:
  - 12 EECCA countries
  - International experts
  - IFIs, NGOs, UN organizations
- Summary in English and Russian
- Funded by Germany

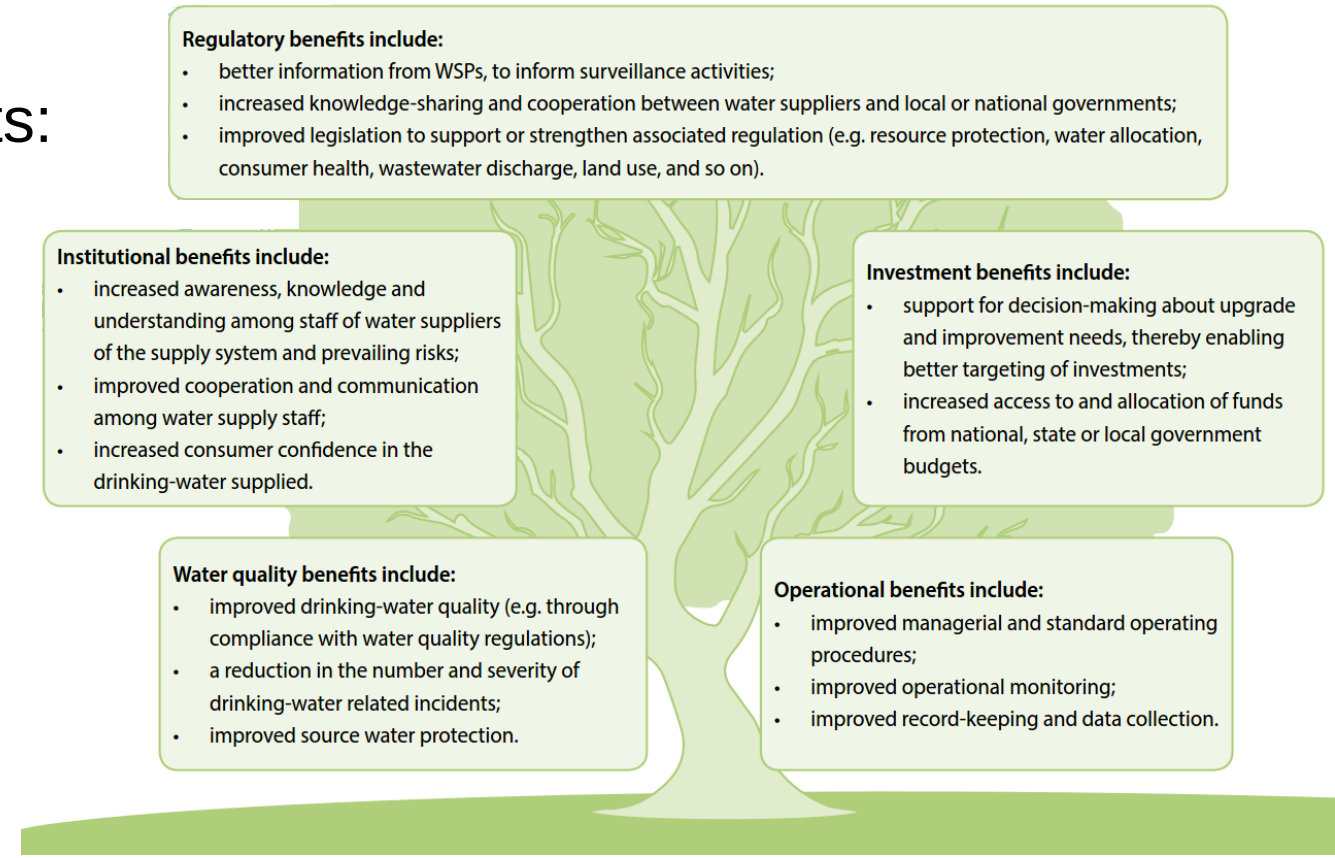
WSP capacity building (2014)
Sub-regional workshop for EECCA countries

- Basic training on WSP steps
- Experience sharing from international experts



WSP capacity building (2014)
Sub-regional workshop for EECCA countries

- Review of reported benefits:
  - Health
  - Water quality
  - Regulatory
  - Operational
  - Institutional
  - Investment



WSP capacity building (2014)
Sub-regional workshop for EECCA countries

- Countries experiences with WSP (e.g. TJK, KGZ)
- Enabling environment:
  - Role of pilot projects
  - Regulatory frameworks and auditing
- WSP-related targets set (drafted) under the Protocol
- WSPs for small systems:
  - Need for external advice
  - External sources of funding for improvements
  - Local sanitation practices

WSP capacity building (2014)

Support needs for WSP uptake /1

- **Advocacy at national level:**
  - Focus on high-level decision makers
  - Health and institutional benefits
  - Financial implications

- **Learning across countries:**
  - Sharing of regulations, norms and standards on WSPs
  - Sharing of experiences related to implementation

WSP capacity building (2014)

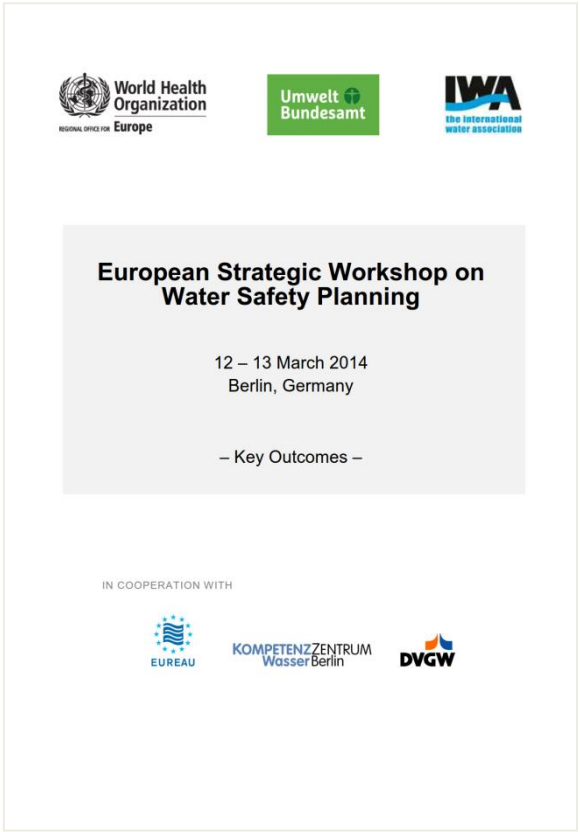
Support needs for WSP uptake /2

- **Building capacity at country level:**
  - Pilot projects
  - Education of trainers
  - Training of operators and local government who facilitate WSP implementation
  - Guidance in local language

- **International guidance**

WSP resource		Details
	WHO (2012). Water safety planning for small community water supplies: step-by-step risk management guidance for drinking-water supplies in small communities. Geneva: World Health Organization http://www.who.int/water_sanitation_health/publications/2012/water_supplies/en/index.html	This step-by-step manual helps the reader to understand the WSP approach in the context of small community water supplies. It is intended to complement the 2009 step-by-step manual, which places more emphasis on large supplies. It is primarily targeted at local government officials and NGOs supporting drinking-water supply activities. The manual is available in English and Russian.
	WHO (2014). Water safety plan: a field guide to improving drinking-water safety in small communities. Copenhagen: WHO Regional Office for Europe http://www.euro.who.int/en/health-topics/environment-and-health/water-and-sanitation/publications/2014/water-safety-plan-a-field-guide-to-improving-drinking-water-safety-in-small-communities	This field guide provides a step-by-step introduction to the WSP approach. It offers hands-on advice and a range of ready-to-use templates to assist communities and local institutions working on rural water supply to develop and implement their own WSPs. The field guide is available in English and Russian.
	WHO and IWA (2012). Water safety plan training package. Geneva: World Health Organization http://www.wsportal.org/ibis/water-safety-portal/eng/home	This is an online platform that supplements WSP publications and the activities of WHO and its partners by providing an extensive range of practical tools, case studies and peer-to-peer support networks. The portal is operated in English and Spanish.
	WHO and IWA (2012). Water safety plan training package [website]. Geneva: World Health Organization http://www.who.int/water_sanitation_health/publications/wsp_training_package/en	This package is designed to be used by trainers facilitating training based on the WSP manual; prior knowledge and understanding of WSPs are required. It consists of a facilitator handbook, a participant workbook and accompanying PowerPoint presentations. The training package is only available in English.

Berlin strategic workshop (2014)



- Workshop focusing on **EU members**: 60 participants from 20 countries
- Thematic coverage:
  - Status of WSP implementation & regulation
  - Policy drivers
  - Enabling environment for WSP uptake
  - Particularities of WSP in small supplies
  - WSP auditing and certification
  - Interfaces to risk assessment and management in adjacent fields

National capacity building (2014)

- **Tajikistan** through Biannual Collaboration Agreement (BCA) between WHO/Europe and Ministry of Health:
  - Joint implementation with *Oxfam GB* (partner to PA 4)
  - Advocacy of decision makers and other stakeholders
  - Review of lessons learned from previous pilot project
  - Protocol context
  - Kick-off for further joint work of Oxfam and WHO/Europe

- **Republic of Moldova** as part of SDC-supported project on implementation of targets *(Ion, Nataliya)*

Proposed activities in 2015

- **National capacity building** through WHO/Europe BCA-arrangements:
  - Kyrgyzstan
  - Republic of Moldova
  - Ukraine
  - Uzbekistan
- **IWA Regional Utility Management Conference** (13-15 May 2015, Tirana)**:**
  - National associations in south-east Europe
  - Utility managers and senior utility staff

Further considerations

- Note **linkages** with all programme areas
- **Opportunities** - interest by several partners in supporting and aligning with the WSP approach:
  - EBRD / World Bank / ADB
  - Donors and technical support agencies
  - NGOs
  - UN Habitat
- "Going beyond workshops": more structured approaches in supporting **long-term policy uptake**

Implementation challenges

- Little work on **sanitation** (safety) (planning)
- Sanitation **scoping/landscape study**

- **Regional workshop** on safe and efficient management

- **Funding** from one source

Thank you
Спасибо
Merci
Danke

Source: Rod Shaw