

# Improving Water and Sanitation in EECCA Region

The facilitating role of NGOs

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# Content

- WECF
- Kyrgyzstan - International Solidarity
- Water and Sanitation Safety Plans
- Georgia – Reducing the contamination of the Black Sea by introducing sustainable wastewater and nutrient management in rural areas
- Strengthening NGO participation at International events

# WECF a non-governmental not-for-profit organisation

- International Network: 150 Member organisations in 40 countries
- 5 Offices: France, the Netherlands, Germany, Switzerland, Georgia



# Sustainable Water and Sanitation Projects

by WECF & Partner Organisations in the EU and the EECCA region

**Belarus**  
Our partner organisations: ECOPROJECT PARTNERSHIP  
1) Monitoring situation in wellwater with school pupils

**Ukraine**  
Our partner organisations: BSWC, BARRIK, VOZROVDENNYE  
1) There will be toilets in a school with urine diverting dry toilet and 2) training on making pumps

**Uzbekistan**  
Our partner organisations: MERRIBIAN  
1) Urine diverting toilet for household 2) Children from Uzbekistan

**Kazakhstan**  
Our partner organisations: YOUNG GUARDS OF NATURE, MCBM, USAR  
1) Inside view of urine diverting dry toilet in Kazakhstan

**Kyrgyzstan**  
Our partner organisations: SOCIAL UNION A GERKECH, ALGA, BOSH, CHAKH, KHUK, YS-GOL UNION  
1) Training on sustainable sanitation 2) and household urine diverting toilet in Kyrgyzstan

**Tajikistan**  
Our partner organisations: ALPOMAL, YECC, SAFO  
1) Urine diverting school toilet building under construction in Tajikistan

**Afghanistan**  
Our partner organisations: KATKOR, L.A.V.  
1) New school with urine diverting dry toilets for the children in Afghanistan

**Azerbaijan**  
Our partner organisations: EKOT  
1) Introduced first Kasperskelle installation in Azerbaijan

**Romania**  
Our partner organisations: EUROTEHNOLOGIA FARMACI, EUROVECHER, CUSAT TVC, MEDICINA SA NERVA, SLOBOZIA, O.S.D.  
1) Demonstration of re-use of urine in a school and 2) meeting on how to make pumps in Romania

**Bulgaria**  
Our partner organisations: EARTH FOREVER, ECO WORLD  
1) Urine diverting dry toilet with urine filter in ecological centre in Bulgaria 2) Inside view of the urine diverting toilet

**Moldova**  
Our partner organisations: ECOTON, ECO-SPECTRUM, ECO-TREAS, NEDCOM  
1) Urine diverting dry toilet and 2) urine diverting water used for a kitchen garden in Moldova

**Armenia**  
Our partner organisations: ARHIVE, CHARITABLE WOMEN, ECOLORE CLUB  
1) Urine diverting dry toilet for a school and 2) water sampling from a public drinking water in Armenia

**Georgia**  
Our partner organisations: FOUNDATION CAUCASUS ENVIRONMENT, GERMA, FOE / GREEN MOVEMENT OF GEORGIA, REDCA, PAROS, TEMA, YOGA  
1) Production urine diverting toilet production and 2) service center for sustainable development in Georgia

Women in Europe for a Common Future

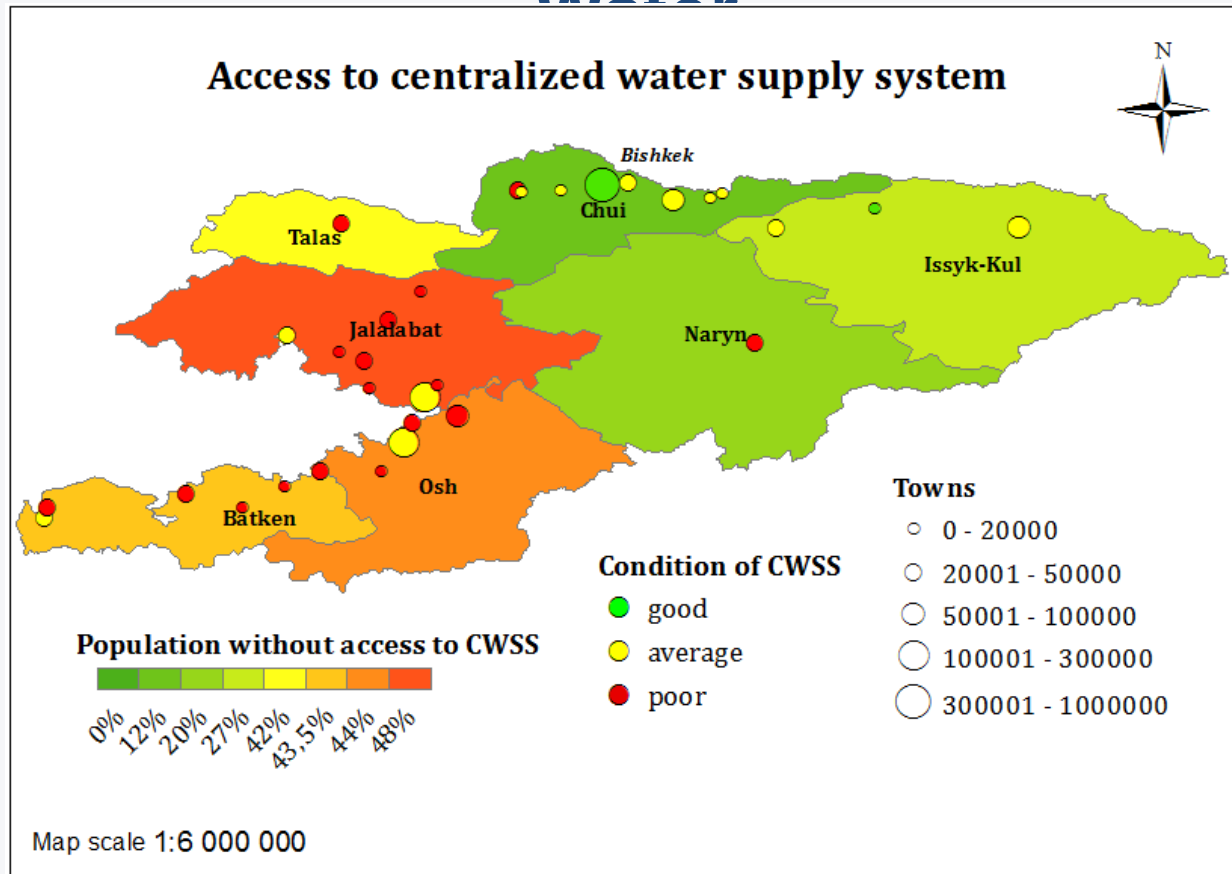
WECF receives financial support from:  
Netherlands Ministry of Foreign Affairs  
Netherlands Ministry of Environment  
- European Commission  
- German Ministry of Foreign Affairs  
- German Federal States of the Environment  
- Swedish Environment, Energy and Public Health  
- French Agency for the Environment

- Water and Sanitation projects by WECF and partner organisations:**
- Construction of urine-diverting dry toilets for households, public places and schools
  - Production of portable urine diverting toilets
  - Construction of urine treated slurry
  - Demonstrating the effects of urine as a fertilizer
  - Building soil filters and constructed wetlands for treatment of wastewaters
  - Monitoring of drinking water quality
  - Cleaning and construction of drinking water wells
  - Promoting Water Safety Plans with involvement of schools
  - Establishment of administrative centres for sustainable development



# Kyrgyzstan - Kyrgyz Alliance for Water and Sanitation

## Regional Inequalities: Access to Running Water

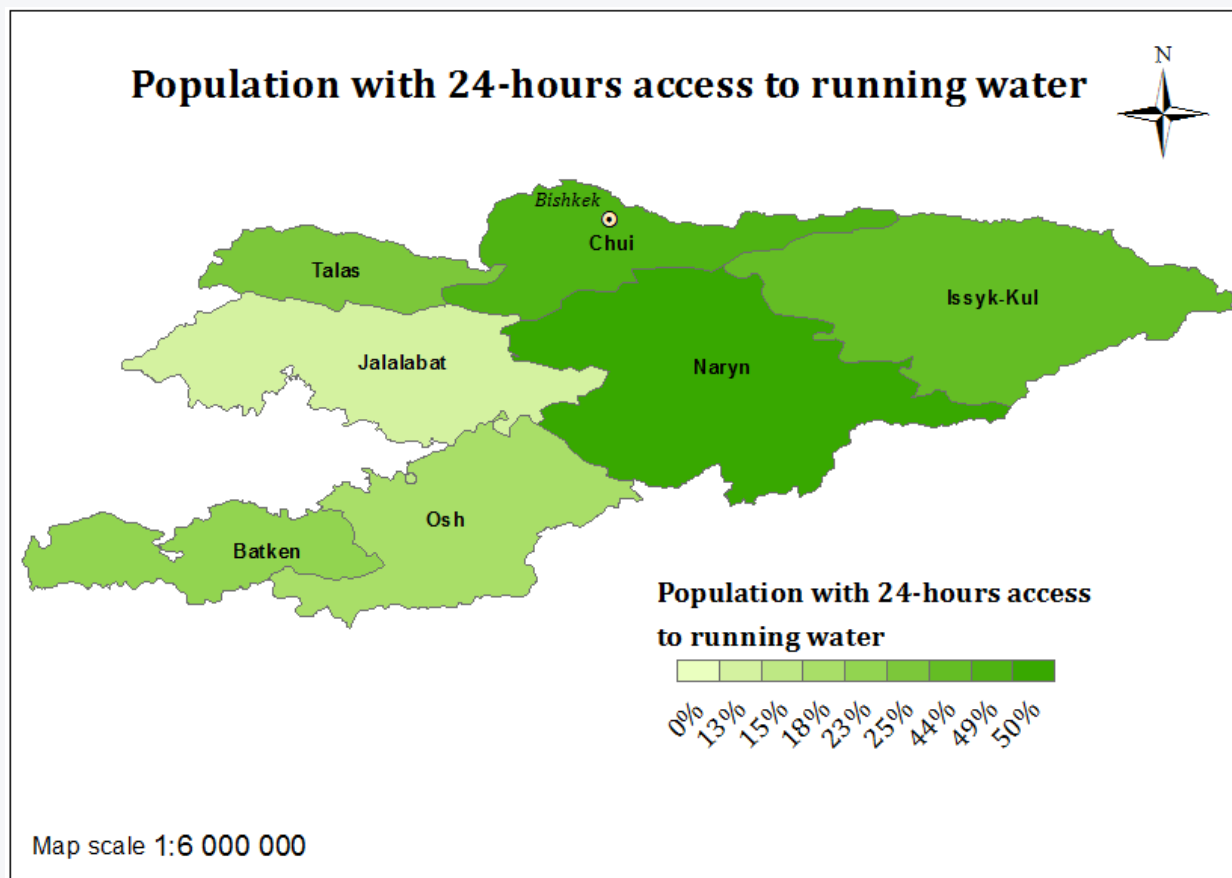


Global Water Solidarity: Improving Water and Sanitation through Decentralized Cooperation in the Republic of Kyrgyzstan. UNDP/WECF publication [http://www.wecf.eu/download/2014/May/Kyrgyzstudyfinal\\_eng.pdf](http://www.wecf.eu/download/2014/May/Kyrgyzstudyfinal_eng.pdf)

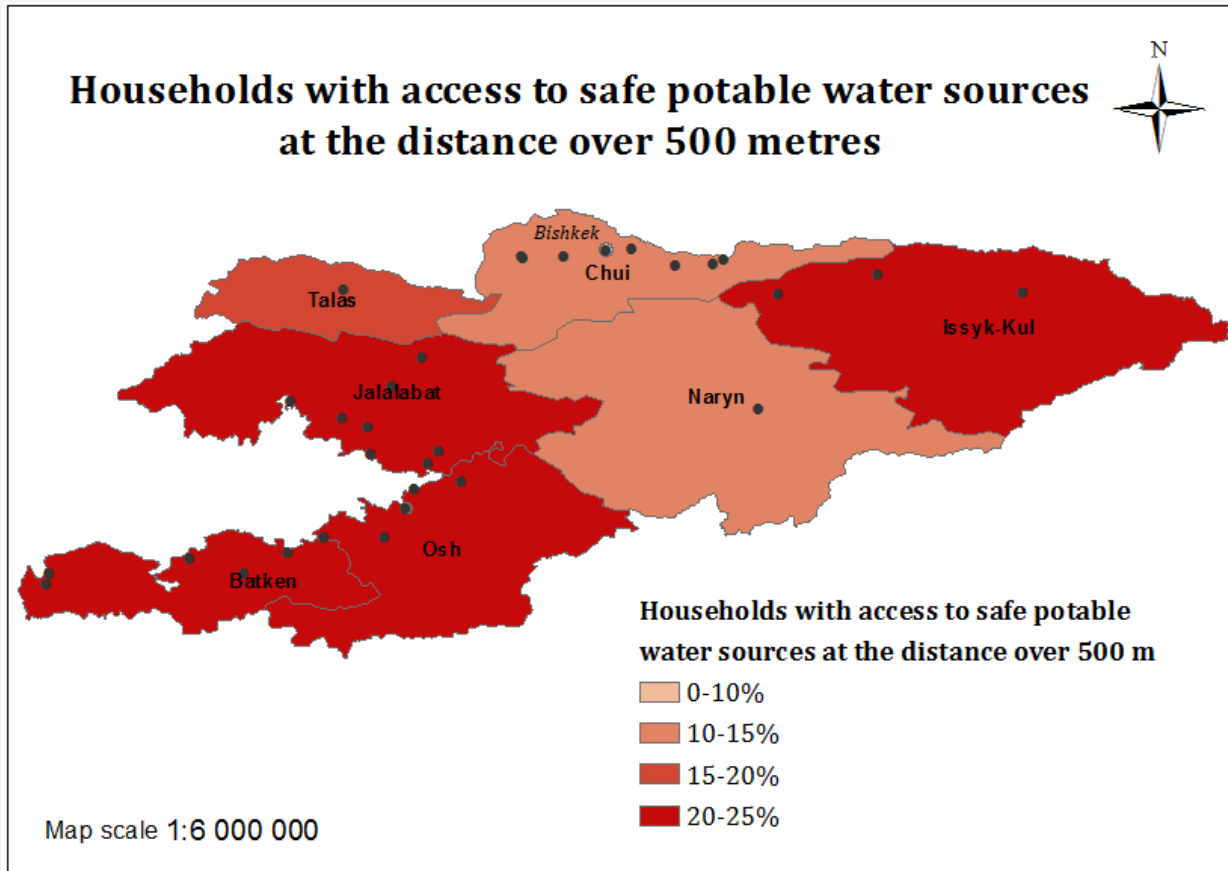




# Regional Inequalities: 24 hours Access to Running Water



# Regional Inequalities: Distance to Safe Water Source



# Typical Situation in Rural Areas in

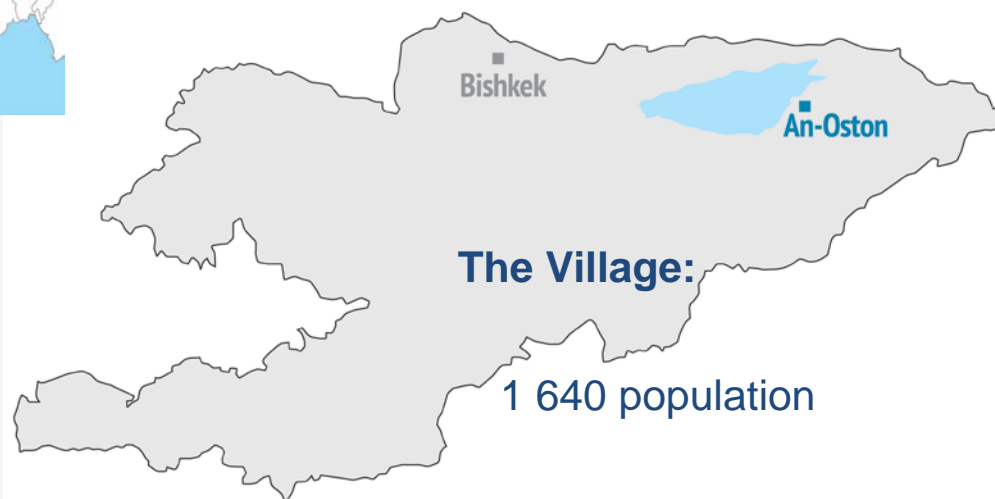
## KG

- deteriorated rural drinking water supply
- unsafe water quality
- broken pumps
- pit latrines





# The Project: Safe Drinking Water for An-Oston



## The Village:

1 640 population

274 households

2014 - 2016  
project period



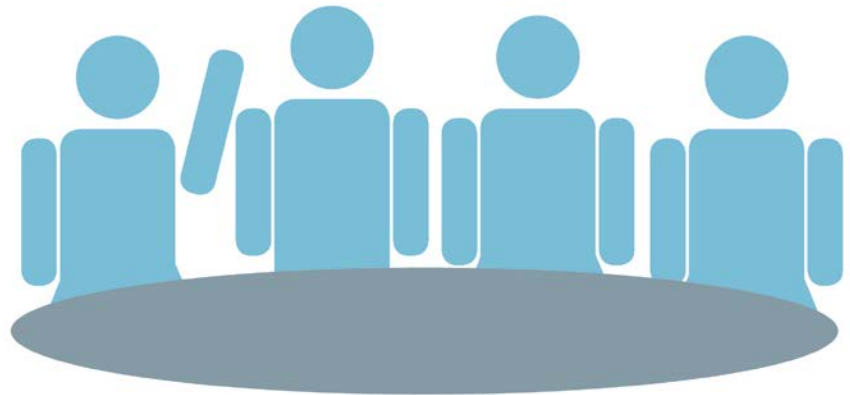
# A Women's Initiative

- group of women addressed the problems
- awareness raising and mobilisation
- support from KAWS and WECF



# Community Drinking Water Users Union (CDWUU)

- user committee at village level
- democratically elected by all members
- responsible for operation and maintenance of the network
- financial management including participatory tariff setting
- collection of water fees
- ensure loan for staff
- ensure sustainability



# Achievements

## Access to Water

before



Public tapstands

2 hours per day

after



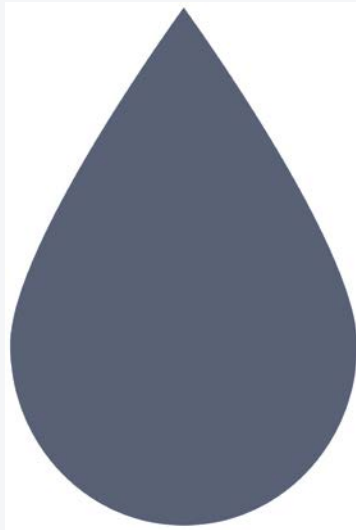
185 out of 193 households  
connected today

24 hours per day

# Achievements

## Water Quality

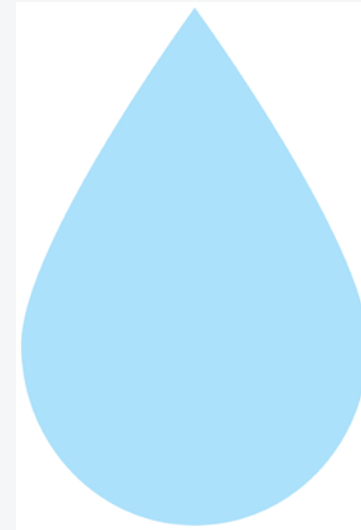
**before**



Hepatitis A, diarrhoea,  
parasites

Not safe

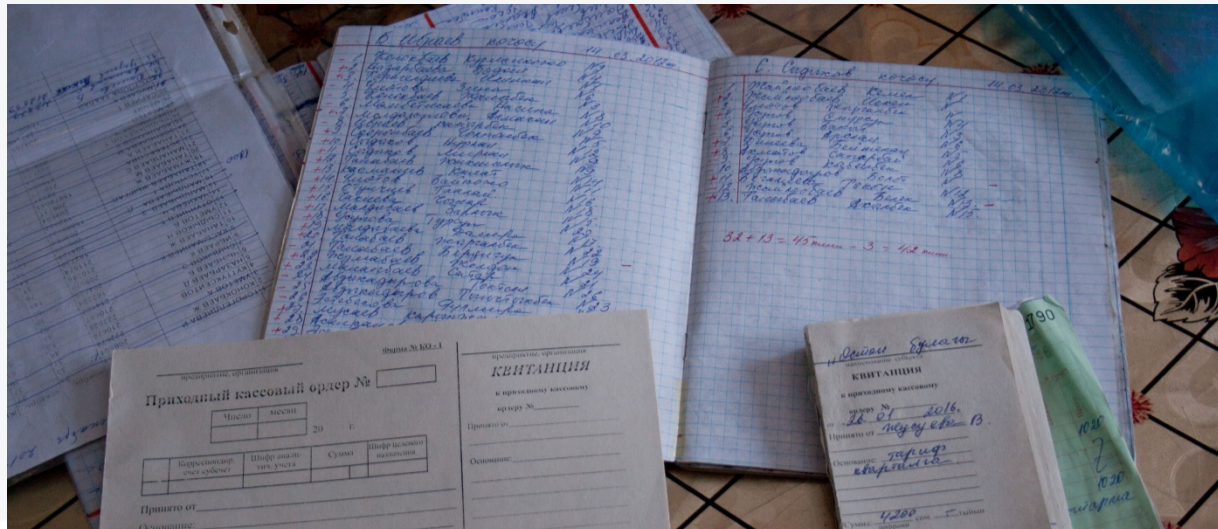
**after**



Safe and controlled by  
CDWUU



# Water Meters





# Households benefitting





# Example of WECF/KAWS Projects in Kyrgyzstan

## Ecological Sanitation

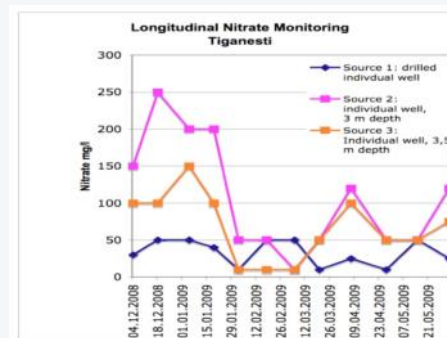
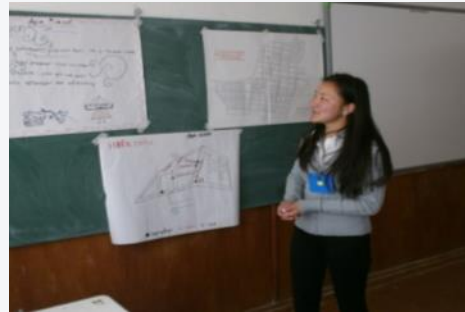
### Support of Water committees/CDWWUs



# Example of WECF/KAWS Projects in Kyrgyzstan

## Water and Sanitation Safety Planning

Mobilising communities and education for a safe water management



# The approach of Water and Sanitation Safety Plans

- WHO guidelines for drinking Water Quality 3<sup>rd</sup> Edition are the basis of the development of Water Safety Plans
- And the International Water Association (IWA)
- WSSP can be used as a tool to involvement and mobilisation of civil society
- WSSP helps to more information and transparency in questions about drinking water and sanitation
- WSSP leads to a better understanding of profitability of drinking water systems
- WSSP can be used for educational work
- WSSP leads to a safe drinking water management



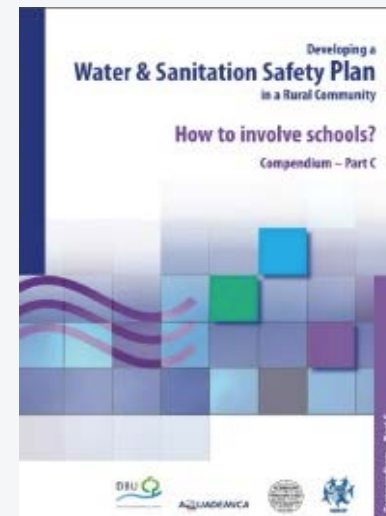
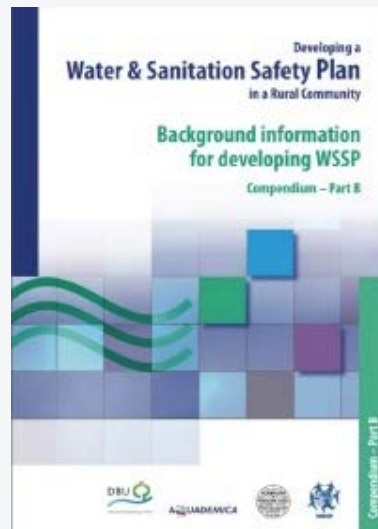
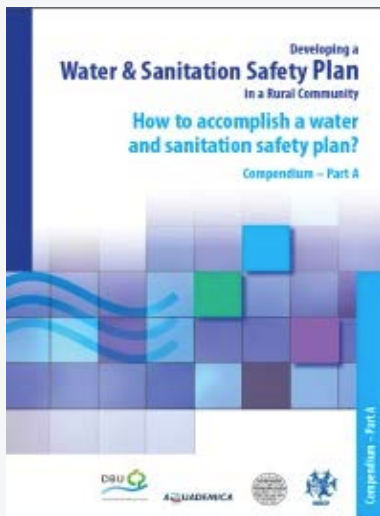
# WSSP-Compendium 2014

## In English, Macedonian, Romanian

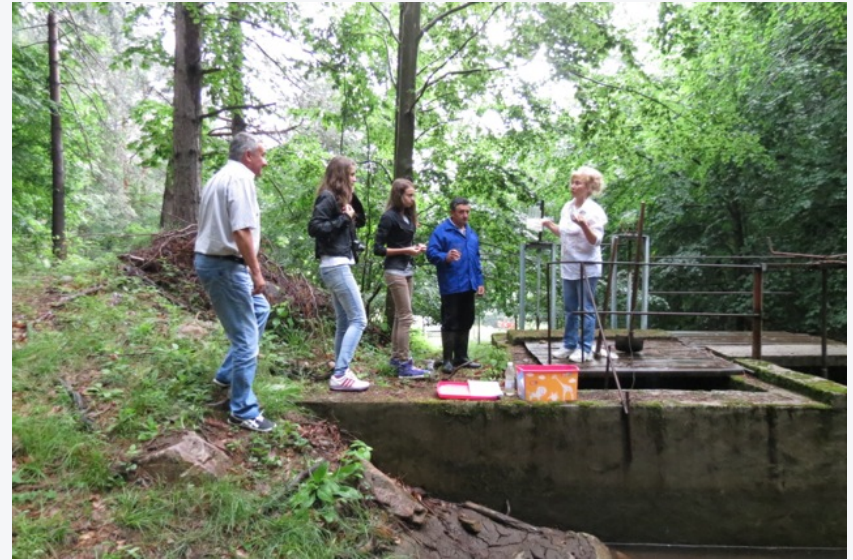
Part 1: How to accomplish WSSP (Water and Sanitation Safety Plan) and Instructions - (8 Modules)

Part 2: Background information for developing WSSP - (8 Modules)

Part 3: How to involve schools - (6 Modules)



# Monitoring and risk assessment of the drinking water supply with the pupils



sponsored by



Deutsche Bundesstiftung Umwelt



Ecoworld 2007



Earth Forever  
Caring for the Future



Земля Завинаги  
с грижа за бъдещето

[www.wecf.eu](http://www.wecf.eu)

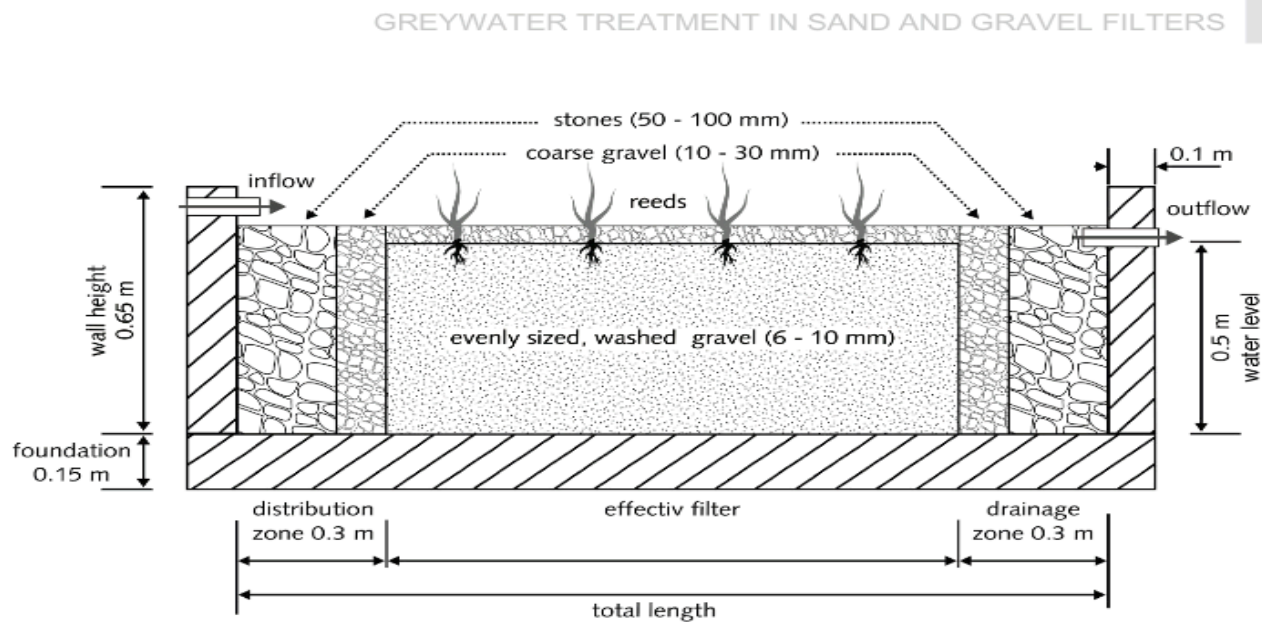


# Georgia – RCDA, UNEP

## Construction, operation and maintenance of Urine Diverting Dry



# Construction of Grey water filters







## Side event World Water Week Stockholm 2015

Gender sensitive indicators for sanitation and wastewater planning and implementation

Convenors:  
WECF  
UNEP  
GIZ/SuSanA  
BORDA  
UNESCO WWAP  
AMCOW  
GWA



Thank you very much for your attention!

