

# Small Scale Water Supply and Sanitation (SSWSS) - Norms and Standards

Aim: Improve the water and sanitation situation in rural areas

- Identifying barriers in existing norms and standards
- Providing an enabling regulatory framework towards safe and affordable solutions

# Onsite sanitation - ecosan



# Natural wastewater treatment – constructed wetland/planted soil filter



# Results of the first consultations - 1

- Best practices and state-of-the-art technologies are difficult to get approved in Moldova as permitting institutions are refer solely to the requirements of the SNIP standards
- Many construction norms and standards are outdated, produce too expensive infrastructure, hinder new planning and offers by EU companies\*
- Ministry of Regional Development and Construction has submitted a roadmap to update all norms on EN in Moldova

\* The need for updating the regulation is also reflected in the Vilnius declaration of 2013

# Results of the first consultations - 2

Need to update the SSWSS norms and standards especially:

SNiP 2.04.01-85: Internal water supply and sanitation systems;

SNiP 2.04.02-84: Water Supply. External networks and facilities;

SNiP 2.04.03-85: Wastewater. External networks and facilities.

The present WSS design and construction norms are inadequate and cause unnecessary investment and operational costs for WSS infrastructure due to water consumption norm which over-dimension the water and sanitation infrastructure significantly and high level of supply contingency (e.g. duplication of main pipelines and high storage capacity, high requirements for fire-fighting flow). \*

\* The Technical Assistance project under the EU-WSPSP has drafted standard documents for calculation of water demands and generated wastewater volumes, which are more realistic and practically transpose the existing Romanian standards. So far, these standards have been handed over to the Ministry of Environment and need to be promoted and approved.

# Results of the first consultations - 3

## **NCM G.03.01-2012 Construction Norm**

covering

- Sewerage installations/ small Wastewater Treatment Plants  
up to 5,000 m<sup>3</sup>/day

# Results of the first consultations - 4

Specific aspects for SSWSS in rural areas are needed to be taken into account:

- **Affordability** (especially relevant in rural areas)
- **Safety** (should in any case not be compromised)
- **Differentiate the installations on household level and public level, such as schools (e.g. operation and maintenance of sanitation systems in households and schools)**

Guidelines, accepted best practices and state-of-the-art technologies have been developed by different organisations\* but are not accepted by Ministries and Authorities

\* e.g. recommendations by Apasan

# Way forward

Normative documents for SSWSS for rural settings

Starting with:

- Small scale water supplies
- Natural wastewater treatment systems
- Onsite sanitation

Establishment of a national consultative group

Consultation meeting in December 2014



# SSWSS consultative group - members

- 1 person of Ministry of Regional Development and Construction (Gheorghe Croitoru)
- 1 person of Ministry of Health or of Center of Public Health (Ion Shalaru)
- 1 person of Ministry of Environment (Serafima Tronza)
- External experts (Prof Ungureanu)
- Apasan (Iulian Isac)
- Academie of Science (Elena Zubcov)
- AMAC (not yet appointed)
- Consultants/Representatives of Community of Practice (Leonid Meleca)
- NGOs (Sergiu Andreev)

# Mandate of the working group

## Tasks:

- Ensuring the stakeholder participation
- Commenting the 3 standards for SSWSS
- Taking part in the consultation meeting

# Normative Documents

- Drinking Water Supplies
- Onsite sanitation
- Natural wastewater treatment



Thank you!

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