

**T15****Compendium of Sanitation Systems and Technologies**

**Summary:** The Compendium of Sanitation Systems and Technologies is a compilation of information about the full range of sanitation technologies and introduces the concept of sanitation systems as logical combinations of options from different functional groups. The Compendium also includes system templates which describe different configurations for a variety of contexts. This tool will assist you in the selection of appropriate sanitation systems and technologies.

**Application Within the Planning Process:**

**Step 5:** Identification of Service Options

**Related Tools:**

**T16** PowerPoint Slides: Compendium Presentation

**T17** Procedure for the Pre-Selection of Sanitation Systems

**T18** Greywater Management Manual

**T19** Surface Water Drainage Manual

**Purpose** The Compendium of Sanitation Systems and Technologies is a planning and reference tool on the most appropriate and most sustainable sanitation systems and technologies. It will help you understand and work with the system concept based on pre-defined system templates and by iteratively choosing and linking appropriate technologies. It will also help you to identify the strengths and weaknesses of different sanitation systems and technologies.

**How to use this tool?** The Compendium is available in three languages – English (see **Document D15.1**), French (**D15.2**) and Spanish (**D15.3**). Part 1 of the document describes pre-defined System Templates and part 2 introduces Functional Groups, each with Technology Information Sheets. The five Functional Groups

are User Interface, Collection and Storage, Conveyance, (Semi-)Centralised Treatment, and Use and/or Disposal. Within each Functional Group, a variety of options exist. Users of the Compendium select options from the different Functional Groups and make logical combinations to build an entire System. Comprehensive technical background information on decentralised wastewater treatment systems and their design can be found in **B15.1**. **Tool T17** suggests a procedure for the pre-selection of sanitation systems during the expert consultation workshop in step 5. A set of PowerPoint presentation slides for the introduction of the Compendium is provided in **T16**. For a compilation of different treatment systems specifically for greywater management see **T18**. In **T19** you can find information on different stormwater drainage technologies.

**Resources****Document D15.1:**

Tilley, E. et al. (2008). *Compendium of Sanitation Systems and Technologies*. Eawag. Dübendorf, Switzerland.

[D15.1.pdf](#)

**Document D15.2:**

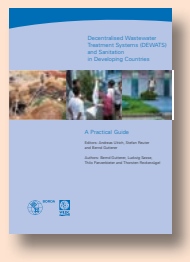
Tilley, E. et al. (2009). *Compendium des Systèmes et Technologies d'Assainissement*. Eawag. Dübendorf, Switzerland.

French Edition  
[D15.2.pdf](#)

**Document D15.3:**

Tilley, E. et al. (2010). *Compendio de Sistemas y Tecnologías de Saneamiento*. Eawag. Dübendorf, Switzerland.

Spanish Edition  
[D15.3.pdf](#)

**Book B15.1:**

Gutterer, B. et al. (2009). *Decentralised Wastewater Treatment Systems (DEWATS) and Sanitation in Developing Countries – A Practical Guide*. WEDC/Borda. Leicestershire, UK. 367 Pages.