

Summary: The Wasteaware Benchmark indicators (WABIs) comprises quantitative and qualitative indicators used to evaluate and assess the physical components and governance aspect of solid waste management systems. They were developed by Wilson et al. (2015) to benchmark solid waste management services of different cities across the globe and were adapted for school settings.

Description

The WABIs uses a set of quantitative and qualitative indicators covering the aspects of:

- **Waste collection** – Percentage of waste collected and quality of waste collection
- **Waste treatment and disposal** – Percentage of waste treated and disposed of on site and quality of environmental protection from treatment and disposal methods
- **Resource management** – Recycling rates and quality of the 3Rs – Reduce, Reuse, Recycle
- **Stakeholder inclusivity** – To which extend are stakeholder involved in SWM service
- **Financial sustainability** – To which extend SWM service is financially sustainable
- **Sound institutions and policies** – School institutional capacity for appropriate SWM

The required information is gathered through observation, estimation and interviews and entered into an Excel file (Tool 2.A2). Each indicator is scored on a scale of 5 options, from very low, to very high. Guidance on how to assess each indicator is provided in Tool 2.A2.

Results are automatically calculated using a “traffic lights” color system, which helps to visualize where improvements are needed in order to achieve a safer SWM system that protects the environment and human health.

Steps

- Step 1.** Get familiarize with Tool 2.A2 (1/2 day)
- Step 2.** Conduct interviews with key stakeholders and field observation and fill out Tool 2.A2 (~3-5 days)
- Step 3.** Check consistency of the results with key stakeholders (1/2 day)

Resources

Tool 2.A2 WABIs for school

Additional resources:



Wilson, et al., 2015 “Wasteaware’ benchmark indicators for integrated sustainable waste management in cities”



MOOC module – [Comparing cities’ performance](#) (Eawag/Sandec)