

Summary: The selection of solid waste improvement options requires a system approach where general as well as specific improvement option per waste fraction should be considered. Each option should be evaluate considering the 5A principles (applicable, appropriate, achievable, acceptable, affordable), as well as resources needed, level of stakeholder involvement required, need for supporting institutional policy and education strategy.

Description

Once the priorities for the school community are defined, it is important to identify and evaluation the improvement options, considering all the components required for the adequate management of the different waste fraction, from generation to disposal.

The options can be classified in two main categories:

- General solid waste management (SWM) improvement (waste segregation, collection, recycling and disposal)
- Specific improvement per waste fraction (reduce, reuse, recycle, safe disposal)

Following the 5A principles, for an option to be suitable in a given context, it should be:

- Applicable (i.e. feasible in the given context)
- Appropriate (i.e. fit the purpose)
- Achievable (i.e. have adequate resources available to be implemented)
- Acceptable (i.e. receive enough support from the school community)
- Affordable (i.e. enough monetary resources from the school to cover the associated costs)

In addition to that, for each option, the resources needed (i.e manpower, materials, infrastructure, funds, space, time and expertise), the level of stakeholder involvement, the need for institutional policy to support that option, as well as the required behavior change and possible education strategy to support it should be considered.

Tool 4.A1.1 provides a list of possible options per waste fraction. The templates provided in Tool 4.A1.2 can be used to evaluate the different options and corresponding needs for general SWM improvement (A), per cluster (i.e. waste generation source) (B), per waste fraction (C).

Steps

- Step 1.** Read through the technical resources on waste segregation, waste collection, recycling and waste disposal
- Step 2.** Select the relevant general SWM improvement options
- Step 3.** Read through the factsheets provided in the technical resources
- Step 4.** Revise the list of improvement options per waste fraction (Tool 4.A1.1)
- Step 5.** Select the relevant improvement options per waste fraction
- Step 6.** Fill out the improvement option evaluation matrix (Tool 4.A1.2)

Resources

Technical resources – Waste segregation, Waste collection, Waste recovery, Waste disposal

Technical resources – Factsheets

Tool 4.A1.1 Improvement options per waste fraction

Tool 4.A1.2 Improvement options evaluation matrix