

Composting toilets – the Pacific Island Countries’ pathway to SDG6

Peter Vollert,
Managing Director, Ecoflo Wastewater Management

Condensed from the accompanying paper “**Composting Toilets – key enablers for Smart Island Sanitation achieving SDG6**”

20 minutes total including 5-8 minutes for questions so allow 12-15 minutes for presentation only.

Composting Toilet Systems

When they work well...



Why?

- Waterless
- Odourless
- Low maintenance
- Solar packages - evolved tech
- Look and feel of regular toilet
- Low capital and operating costs

Where composting toilets shine



100%

Volume reduction from year to year during natural decomposition

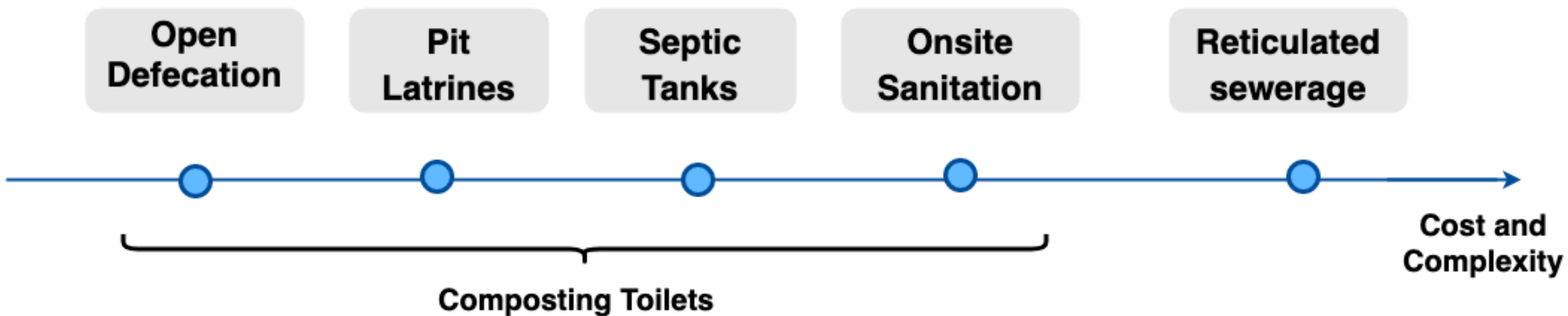


Nutrient rich by-product with zero water wastage!

There are various factors that may speed up the natural process of decomposition, such as **warmer temperatures, adequate moisture, enough carbon etc.**

(Cited: Lindström, C. (2012). What is enclosed long-term composting? Retrieved from <http://www.compostera.eu/longterm.html>)

Sanitation Integration



Composting toilets are orphans

- Community engagement, education, liaison and support?
- Responsibility of waste water utilities?
- Responsibility of solid waste utilities?



Recommendations

- That each jurisdiction establish a specific group with a mandate for on-site sewage systems, including composting toilets - preferable the sanitation utility.
- That standards be established and documented for installation and maintenance
- That inspectors, installers and operators have training and certification programs
- That planners be educated and include composting toilets, where appropriate, in infrastructure planning
- That public consultation and education be undertaken to assist understanding and uptake of a cost-effective, appropriate technology.

Thank you

Peter Vollert

Managing Director
Ecoflo Wastewater Management
6 Hurricane Street
Banyo, QLD

E: peter@ecoflo.com.au

www.ecoflo-wash.org

www.ecoflo.com.au

