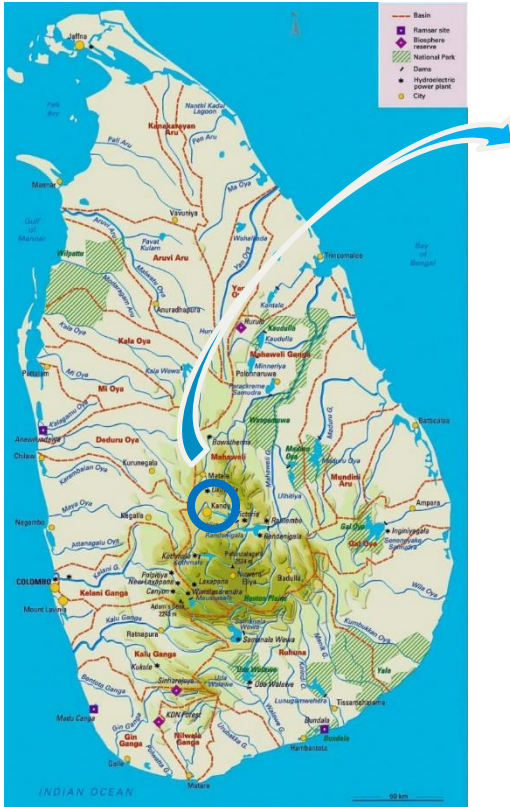
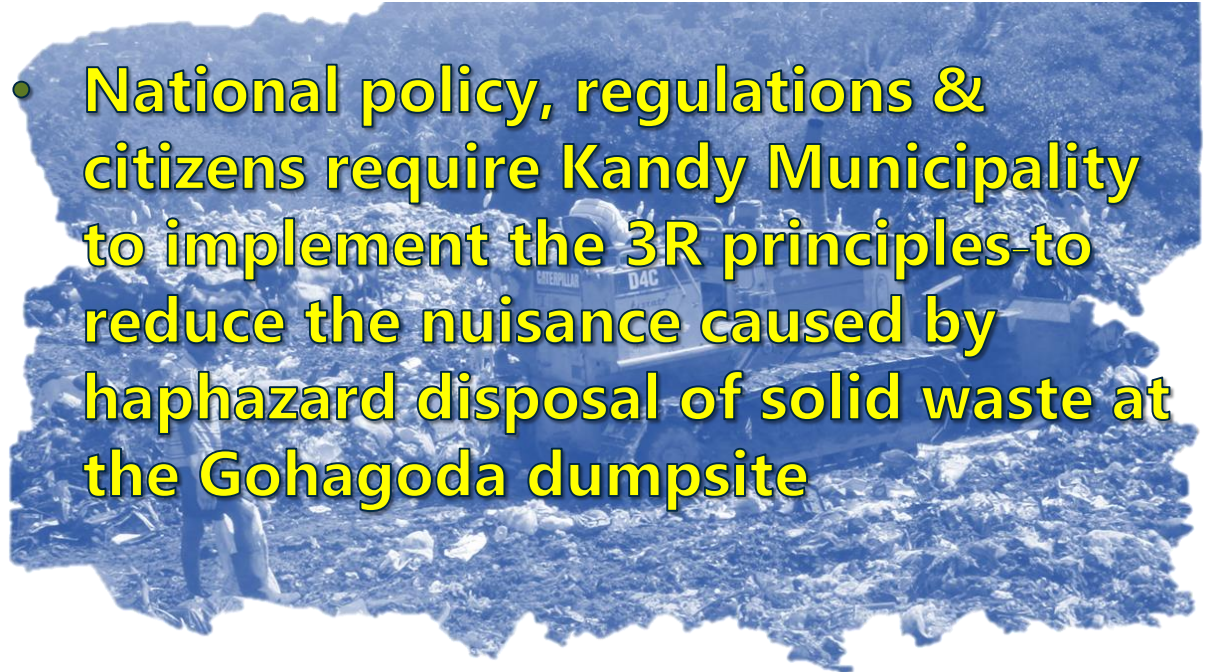


1. Institutional setting



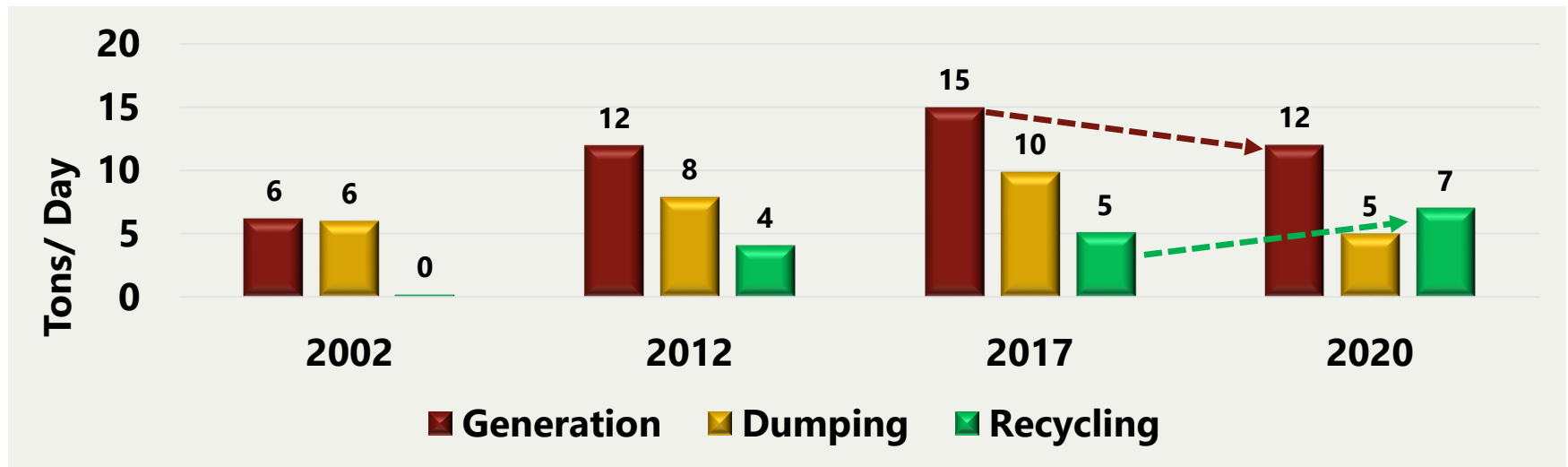
Resident Population	110,000
Daily floating population	400, 000
Extension of the city	28.53 km ²
Daily waste generation	176 tons
Daily waste collection	120 tons

- National policy, regulations & citizens require Kandy Municipality to implement the 3R principles-to reduce the nuisance caused by haphazard disposal of solid waste at the Gohagoda dumpsite



2. Starting point/Project goal

- The challenges were to minimize plastic waste generation at source and reduce its disposal in the final dumpsite.



- A five-year action plan (2017-2022) was developed to reduce plastic waste generation by 20% and increase the recovery and recycling of plastic waste by 30%.

3. Approach

- Raise citizens' awareness by establishing village & street committees that work continuously with the municipality to achieve minimization goals through avoidance, source segregation, and recyclable sales scheme.
- The Municipality established a recyclable plastic collection service and a plastic processing centre at the Municipality.



4. Outputs

- By 2019, 20% reduction in total waste generation and collection due to implementation of a source segregation program;
- Ban on the use of plastic films for decoration and advertising;
- Plastic waste from small-scale generators and collectors is purchased by the Municipality, this encouraging them to cooperate with the recycling program;
- Plastic recycling center processes 400 kg/day of hard plastics, thus the plastic recycling center operates as a profitable venture.



5. Lessons

- Plastic waste source segregation and recovery program was remarkably successful because waste generators and collectors received financial incentives;
- Workers at recycling center received production targets that ensured steady operation and thus a financial return on investment;
- The concept of “waste as resource” is inculcated when plastic waste can flow through the value chain;
- The organized and mediated intervention by the Municipality through street/village committee in awareness raising on waste segregation and recycling guarantees public cooperation.

6. Follow-up

- Ensure continued support and cooperation of the business and trade sector by giving tax concession for adhering to the source segregation program
- Maintain a constant supply of plastic waste to the recycling center for uninterrupted operation and financial sustainability
- Manual sorting of the different types of plastic waste at the recycling center is costly and unhygienic; an appropriate mechanical sorting system needs to be introduced
- The lack of appropriate national policies and law enforcement requiring manufacturing sectors to use plastic that do not harm recycling, especially packaging, as it hinders the progress of the recycling program