



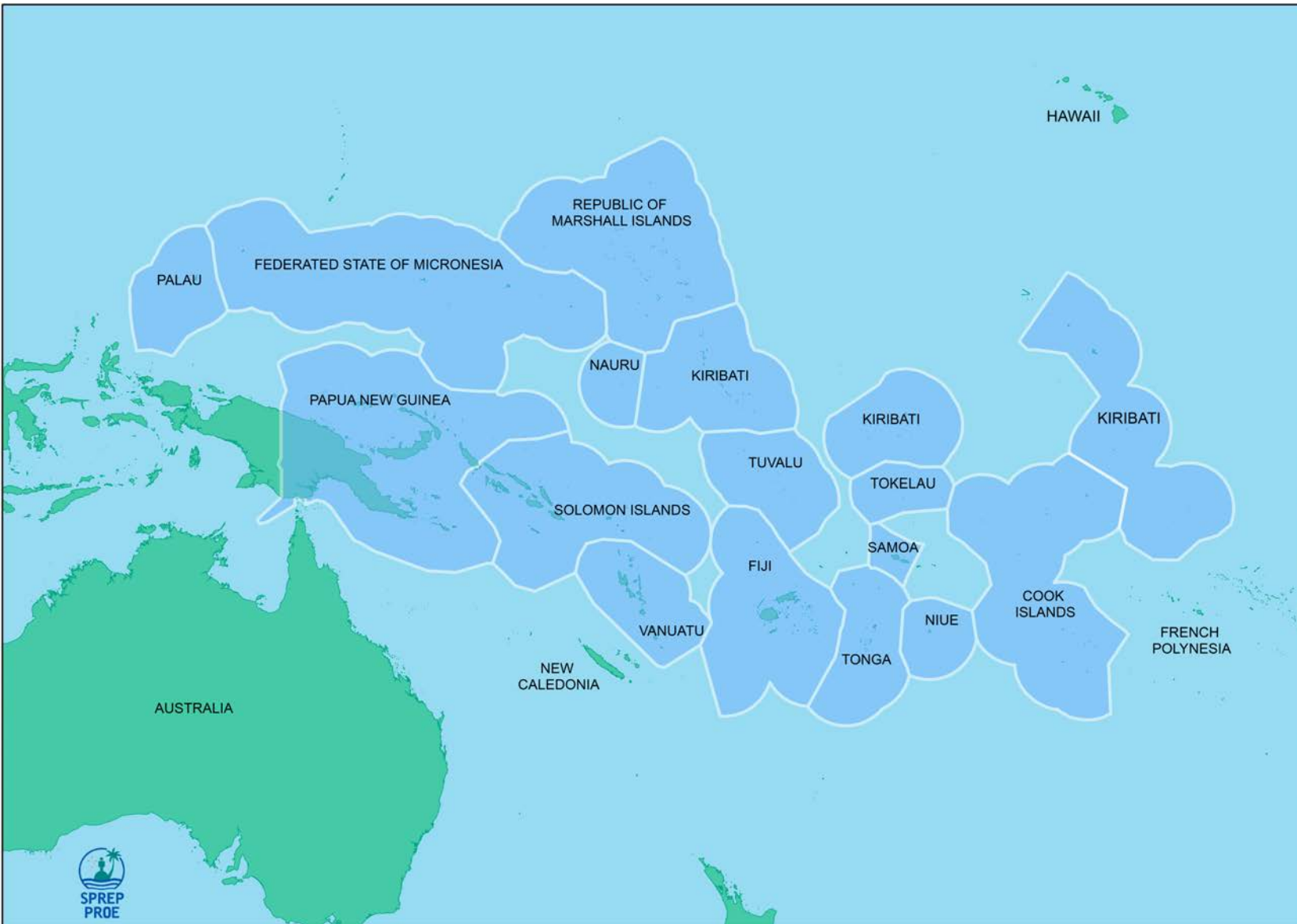
# UNLOCKING WASTE AS A RESOURCES THROUGH CIRCULAR ECONOMY IN THE PACIFIC REGION

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# SPREP



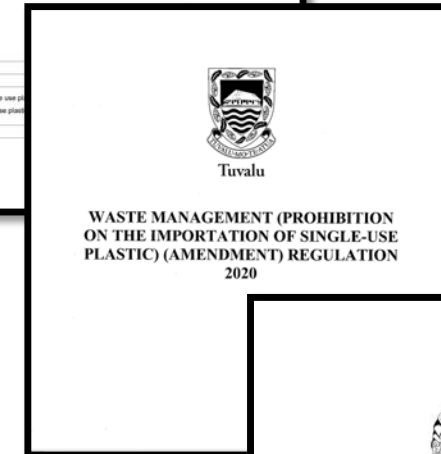
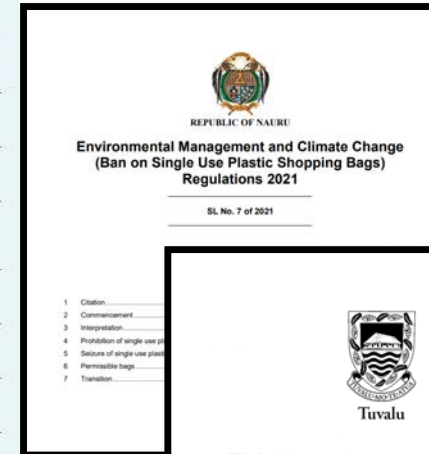
- Established in 1993 in Samoa
- Promotes cooperation and provides assistance in environmental protection and improvement in the Pacific Islands Region
- 26 Member governments
  - 21 Pacific Island Countries and Territories
  - 5 metropolitan countries (Australia, France, NZ, UK, USA)

# Circular Economy in the Pacific Region

Project	Activities
Pacific Ocean Litter Project – Australian Government	Supporting single use plastic importation bans, and support for traditional materials to provide alternatives to single use plastic
PacWaste Plus - EU	Assisting countries to improve organics management and generate local and community level circular economies; and working directly with countries to implement National sustainable financing systems to create a circular economy for plastics, e-waste, and tyres. Beneficiary countries are all PICs plus Timor Leste.
GEF Islands - GEF	GEF funded project addressing hazardous waste management and providing assistance to circular economy systems for e-waste and End of Life Vehicles (ELV)
SWAP I & II - AFD	SWAP – AFD funded project supporting design and implementation of Sustainable Finance “deposit/return” schemes.

# Single Use Plastic Bans

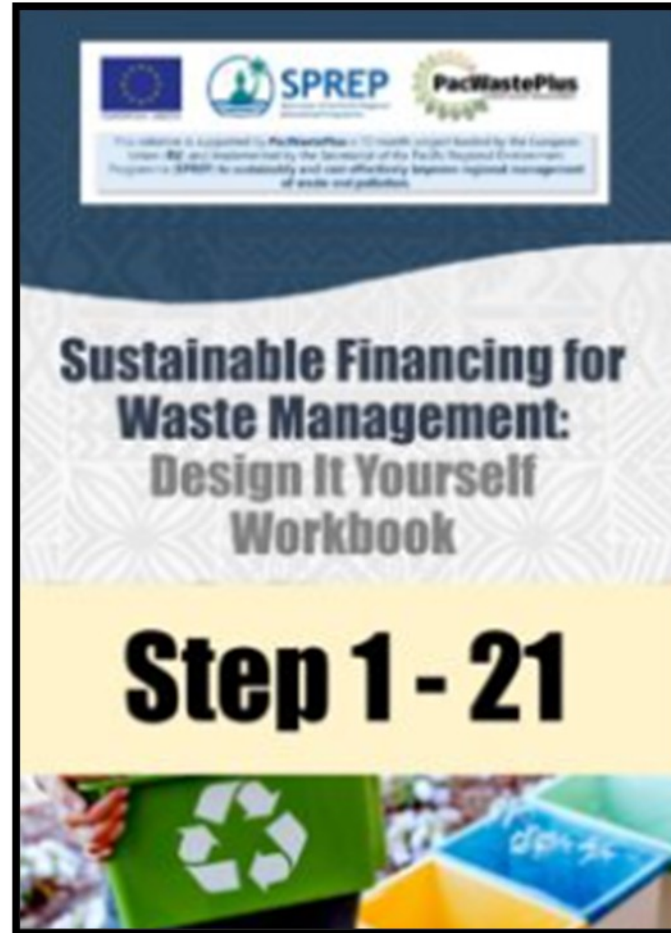
	Non- bio-degradable shopping bags	Bio-degradable shopping bags	Poly-styrene plates, cups, takeout	SUP straws	SUP cutlery	SUP flowers	SUP cling film	SUP egg containers	SUP table sheet	SUP flags	Ice block bags	PET bottles > 1.5 litre	SUP single serve butter, spreads	SUP food netting	SUP drink stirrers	Products with plastic micro-beads	PET food containers no3, 4, 5, 7 or unnumbered	General exception for recycled or bio-degradable
Cook Islands	×	×	×	×	×								×		×	×	×	
FSM National	×		×														×	×
FSM Chuuk	×		×															
FSM Kosrae	×	×																
FSM Pohnpei	×																	
FSM Yap	×	×																
Fiji	×		×															
Kiribati	×	×									×							
Marshall Islands	×	×	×															
Nauru	×																	
Niue	×	×																
Palau	×																	
PNG	×	×																
Samoa	×	×	×	×														
Solomon Islands	×	×	×	×	×							×						
Tonga	levy																	
Tuvalu	×	×	×	×	×		×		×	×	×	×						
Vanuatu	×	×	×	×	×	×		×						×	×			





# Sustainable Financing

- Tuvalu Waste Levy
- Palau Container Deposit Scheme
- Kiribati Container Deposit Legislation



Waste Management (Levy Deposit) Regulation 2019 SCHEDULE 1

**SCHEDULE 1**  
**LIST OF GOODS AND PRODUCTS TO BE LEVIED**

Item	Good or Product	Deposit Amount
1	Mineral water, sweetened drinks and cooking oils come in PET bottles	10 cent per container
2	Sweetened drinks and alcohols come in aluminium cans	10 cent per container
3	Sweetened drinks, alcohols and cooking oil come in glass bottles	10 cent per container
4	Lubricating Oil	\$0.40 cent per litre
5	Nappy	0.5 cent per nappy
6	Large White Goods – Freezers, Refrigerators (over 2m <sup>3</sup> size)	\$100 per item
7	Medium White Goods - Refrigerators, Washing Machines, Electric Ovens (between 1m <sup>3</sup> and 2m <sup>3</sup> sizes)	\$60 per item
8	Small White Goods - Microwaves, refrigerators, washing machines, etc. (smaller than 1m <sup>3</sup> size)	\$30 per item
9	Construction Heavy Equipment – excavator, loader, trucks (more than 10 tonnes)	\$2000 per unit
10	Construction Medium Equipment - excavator, loader, truck (between 5-10 tonnes)	\$1000 per unit
11	Construction Small Equipment - excavator, loader, truck (less than 5 tonnes)	\$500 per unit
12	Office and family vehicles	\$300 per vehicle
13	Motorbikes	\$200 per motorbike
14	Batteries (motorbike - vehicle/equipment - solar panel)	\$10 per unit - \$30 per unit - \$60 per unit

# Moana Taka Partnership



## Eligible Waste Categories



**Medical and pharmaceutical waste**



**Waste chemicals**

- including:
- timber/wood treatment
  - clothing manufacture
  - carpentry and woodwork
  - photography
  - industrial processing



**E-Waste**



**Explosive substance**



**Asbestos**



**Waste Oil**



**Sewage and sewage sludge**



**Low value scrap metal**



**Low value household recyclables**

- including:
- Plastic
  - Cardboard
  - Paper
  - Glass



**Expired pesticides**



**Expired fire suppression equipment**



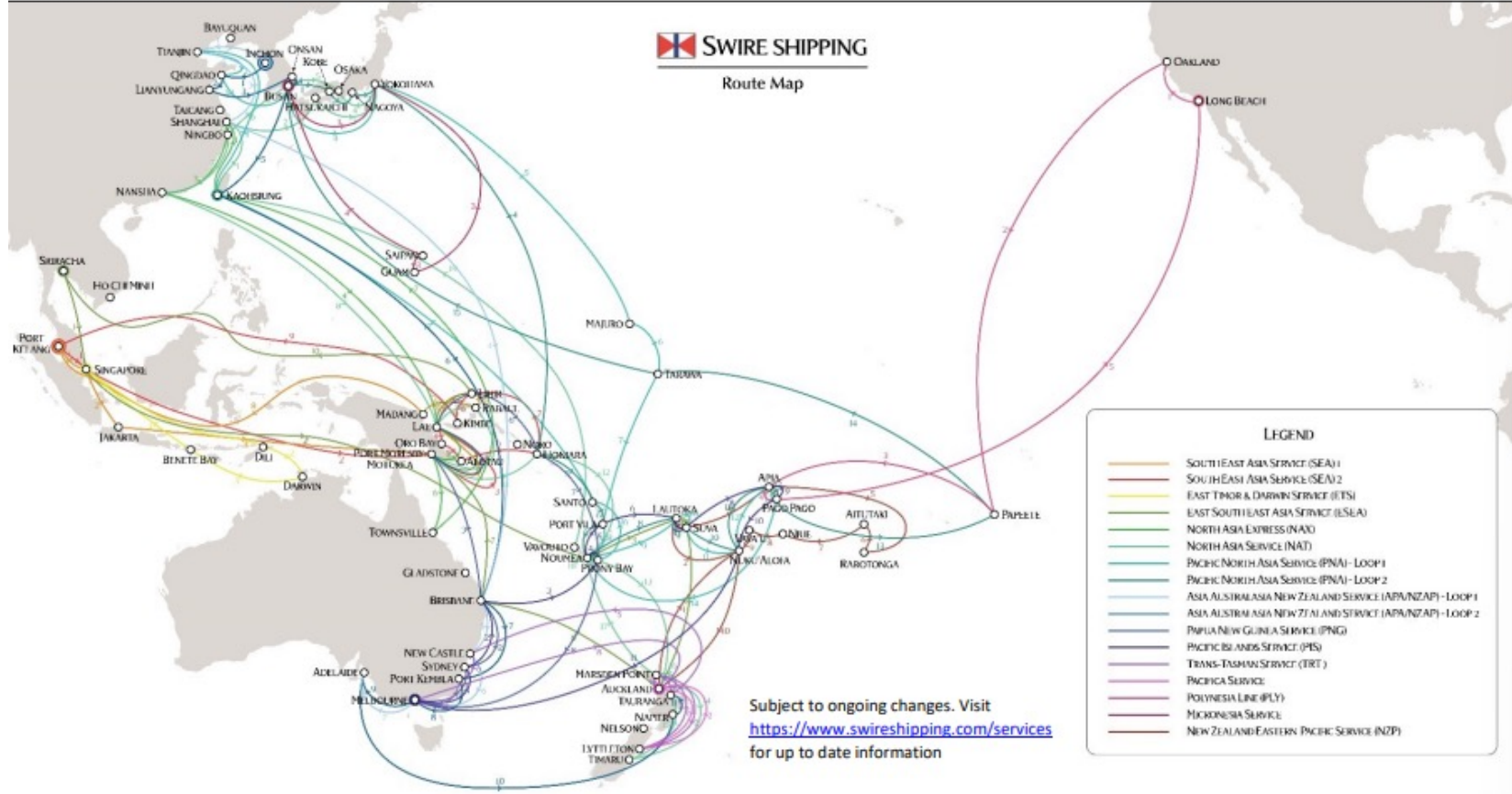
**Flammable liquids**



**Incineration ash**

## Shipping Services

# Moana Taka – Shipping Services



## 13 PICTs serviced by Swire Shipping:

1. American Samoa
2. Commonwealth of the Northern Mariana Islands
3. Republic of Fiji
4. Guam
5. Kiribati
6. New Caledonia
7. Republic of Marshall Islands
8. Papua New Guinea
9. Samoa
10. Solomon Islands
11. Tahiti
12. Kingdom of Tonga
13. Vanuatu



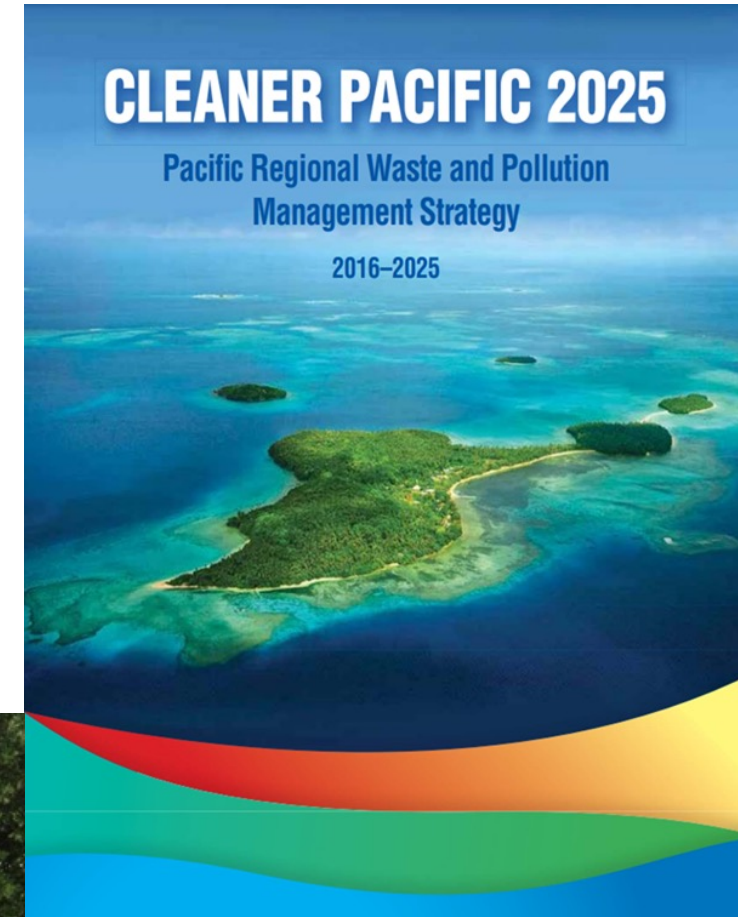
# Composting





# Clean Pacific Roundtable (CPRT)

- Promoting regional collaboration to address marine pollution and waste management issues impacting the Pacific Islands.
- Involvement of Maritime Sector and Private Sector have brought more insight into improvement waste management.
- Launching of the Pacific Recyclers Alliance (PRA) – Fiji, PNG, Samoa, Solomon Islands, Tonga and Vanuatu.
- Development of the next Cleaner Pacific Regional Waste and Pollution Management Strategy



# Challenges of Circular Economy in the Pacific

- Lack of capacity
- Lack of awareness
- Lack of financial mechanisms to implement and sustain circular economy
- Lack of proper equipment and technology
- Behavioural change
- Institutional Arrangements
- Lack Policies and Legislation
- Remoteness and the issue of exporting recyclable wastes and other material wastes for recycling



# Opportunities of Circular Economy in the Pacific

- Business Opportunities
- Importation quality restrictions/controls
- Implementing sustainable finance “deposit/return” schemes (e.g., Container Deposit, Advanced Recovery Fee and Disposal, Import Levy, Product Stewardship)
- Support for, or incentivising, organics / composting programmes
- Support for, or incentivising, businesses or enterprises achieving “Circular Economy” Principles
- Generate local jobs
- Improved waste management
- Reduce pollution and impacts to the environment and health
- Cleaner, safe and healthier environment

# Environmental problems

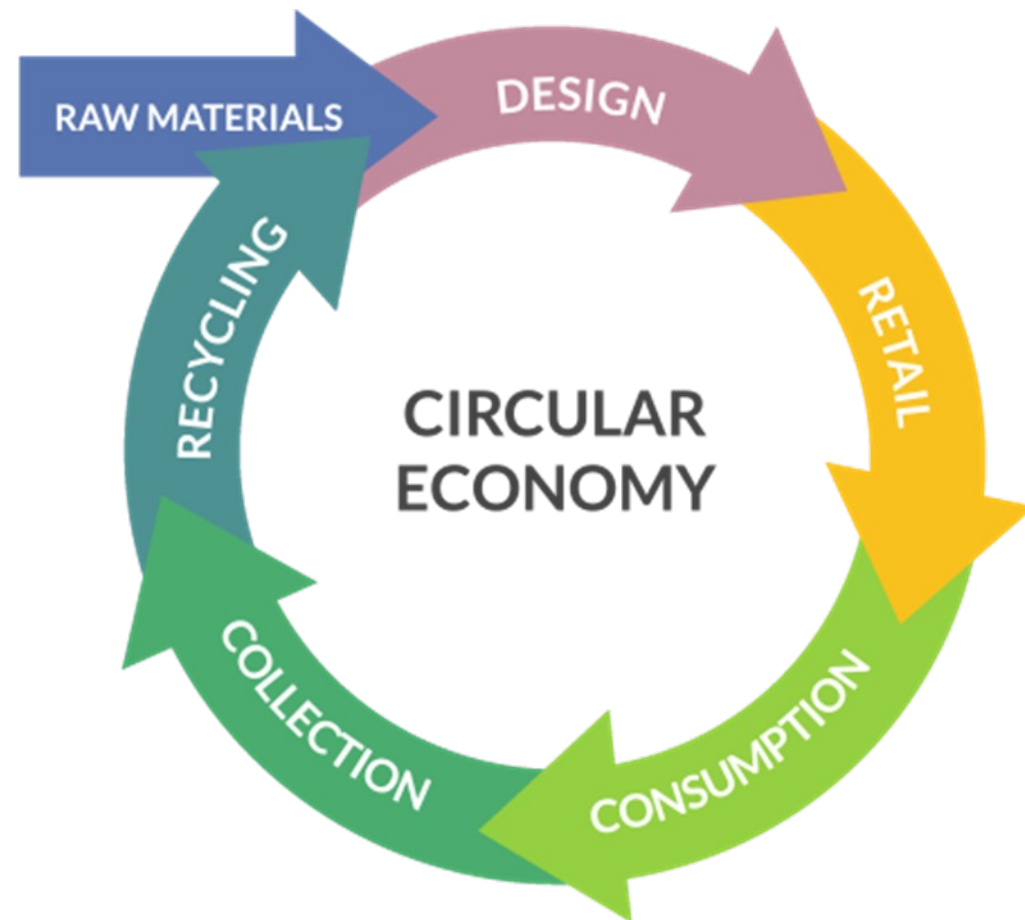
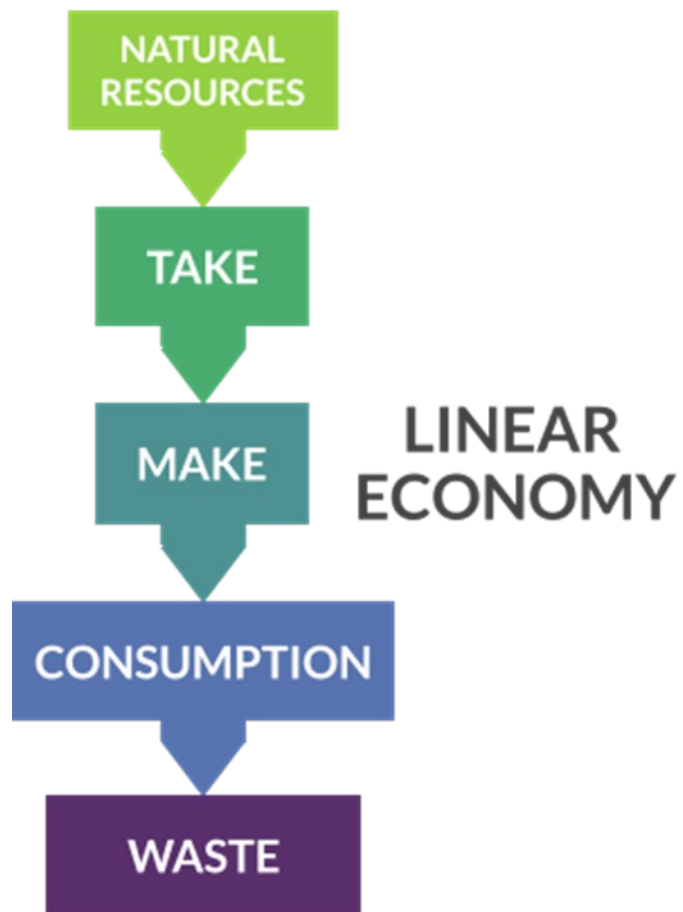
- Poor waste management
  - causes air pollution, water and soil contamination
  - result in a loss of valuable natural resources
  - result in harmful chemicals leaching into the soil, groundwater and surface water
  - negative impacts on the environment, marine life and public health







# Moving towards Circular Economy



# FAKAFETAI LASI!

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