



# 3R in Thailand: Policy Plans and Practices

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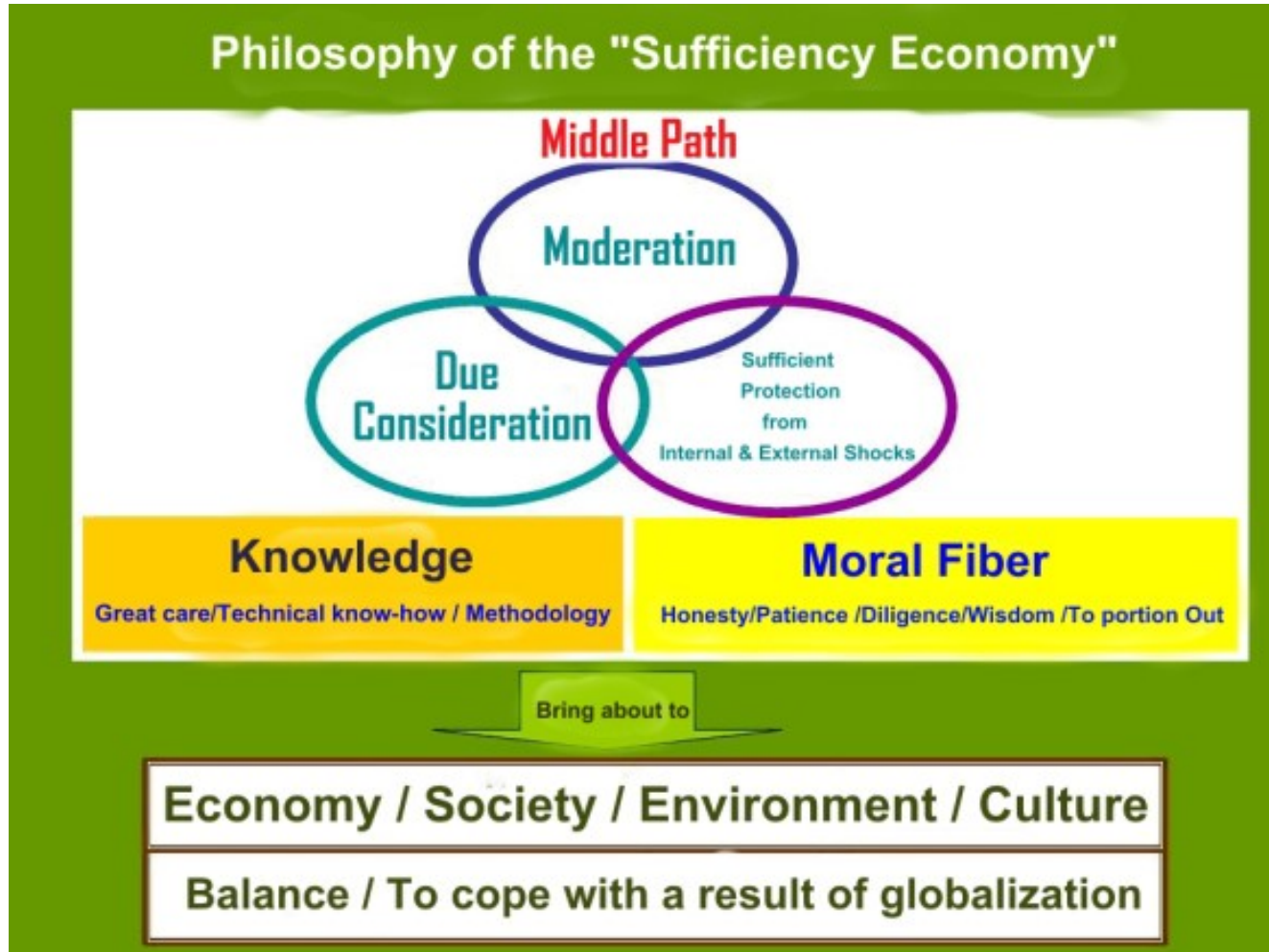
### PLENARY SESSION 1

Circular economy towards sufficiency economy~ Implications for SDGs



The Ninth Regional 3R Forum in Asia and the Pacific, 4-6 March 2019,  
Royal Orchid Sheraton Hotel & Towers,  
Bangkok, Thailand

# The King's Philosophy



**“The Philosophy of Sufficiency Economy Seeks to Achieve Balance and Sustainability at All levels”**

The 20-Year National Strategy is a national development plan, setting out frameworks and directions for the all public sectors to follow. All this to be completed in order to achieve the vision of “Thailand, a nation of Stability, Prosperity, and Sustainability, is a developed nation according to the economic philosophy”. The plan will be enforced for 20 years, from 2017 – 2036.

**Green Growth Strategy** is one of the six national strategies that will direct country development towards sustainability.

“Integrated systems management among economy, society, natural resources and environment by promoting 3R, environmental friendly products, eco –industrial development and reduction of climate change for sustainable development society ”



## **The 12<sup>th</sup> National Economic and Social Development Plan (2017 – 2021)**

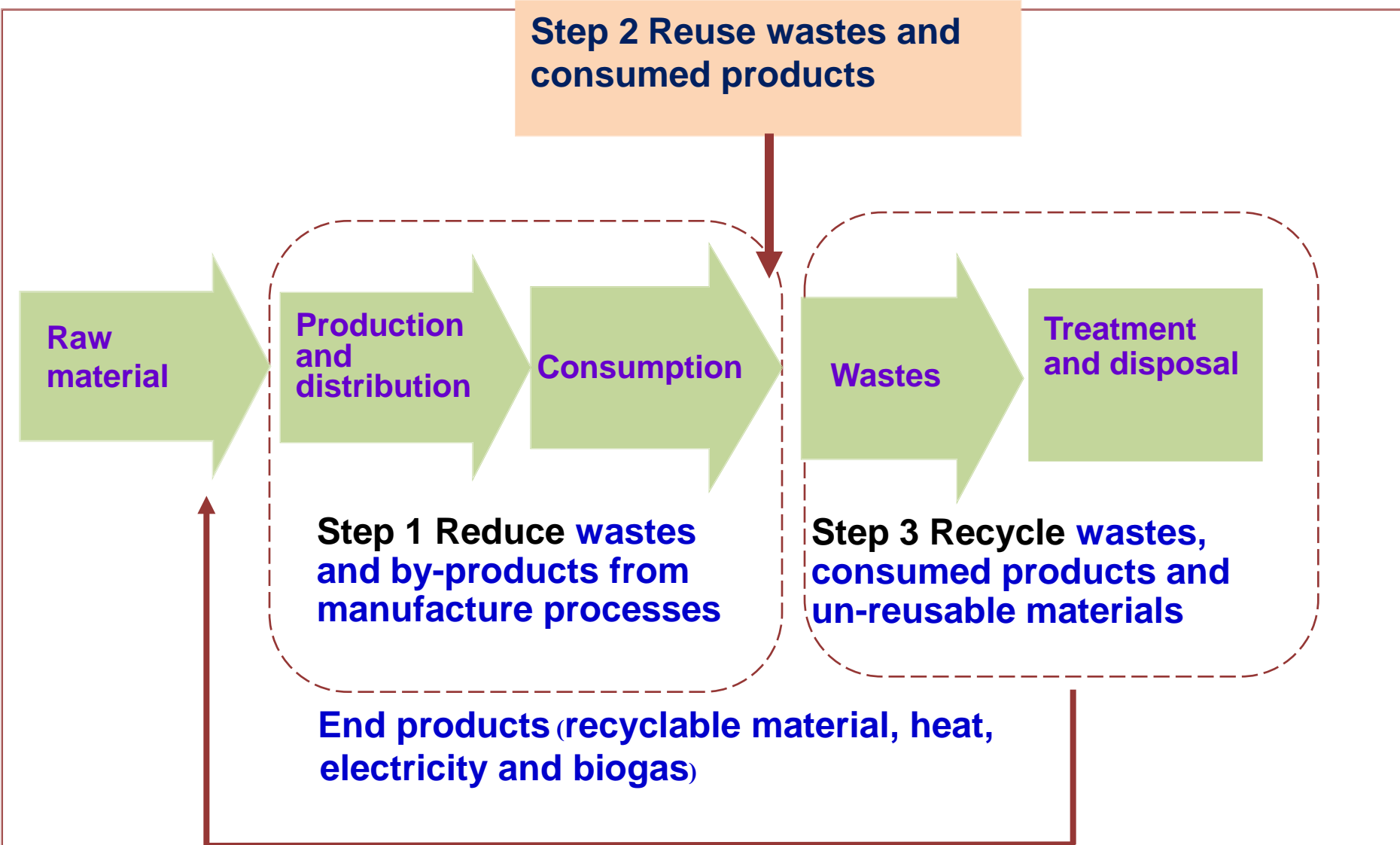
- MSW shall be properly managed by 75% of total generation
- promoting environmental friendly products, life cycle waste management and sustainable production and consumption

## **National Environmental Quality Management Plan (2017 – 2021)**

- Integrated management of natural resources and environment by applying sufficient economy principle
- Stakeholder cooperation, strategy for climate change mitigation and sustainable development

- Waste Minimization by apply 3Rs (Reduce Reuse Recycle)
- Integrated waste management technologies such as WTE, Bio-gas and material recovery
- Clustering management for solid wastes among municipalities
- Awareness rising and public private partnership on solid waste management systems

# National 3Rs Principle



Production

- Waste reduction programs (Eco-design/CT/CP/environmental labels)
- Promote reuse and recycling of wastes and recyclable materials
- Promote production of eco-friendly products

Distribution and Consumption

- Promote recycling-oriented society
- Promote use of green products
- Promote separation and take-back programs

Recycling, Treatment and Disposal

- Support community-based recycling activities
- Capacity building on 3Rs and waste management
- Promote public private partnership programs
- Promote waste recycling business
- Standard and guideline for waste disposal



- **Social based activities**
- **R&D on sciences and technologies**
- **Capacity building**
- **Economic instruments**
- **Laws and Regulations**
- **International cooperation**

**Material Recovery Practices**

**Organic waste Utilization**

**Biodegradable Recovery Practices**

**Waste to Energy Practices**

Apply Circular Economy Principle for Sustainable Plastic Production and consumption

Reduce or Ban Certain Plastic Products or Imported

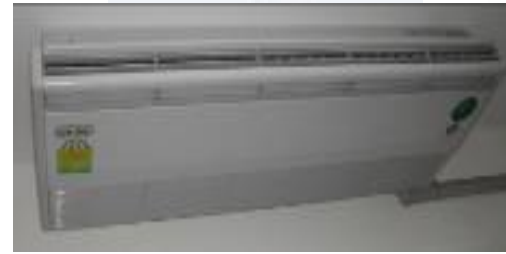
Promote Domestic Plastic Waste Recovery and Recycling

Disposed of Waste plastic properly

National WEEE Strategy (2014-2021)

Drafted WEEE Regulation

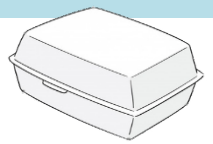
Voluntary - based programs for E- waste separation and collection



# 3R in Government Offices



**Reduce plastic bags  
4,000 million bags/year**



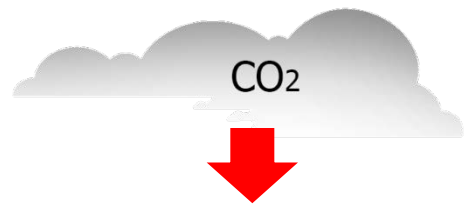
**Reduce foam container  
1000 million pieces/year**



**Reduce single use  
glass 30 million  
glasses/year**



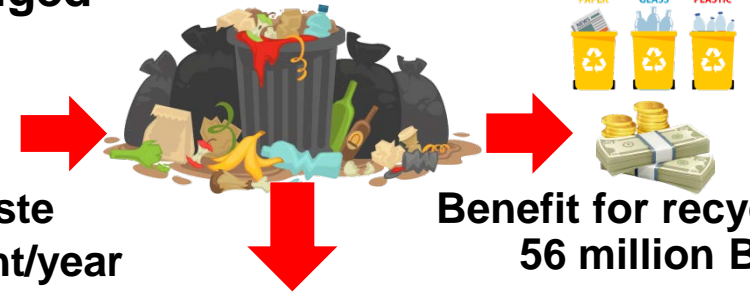
**2.53 million officers behavior  
changed**



**Reduce  
greenhouse gas  
24,632 ton Co<sub>2</sub> eq**



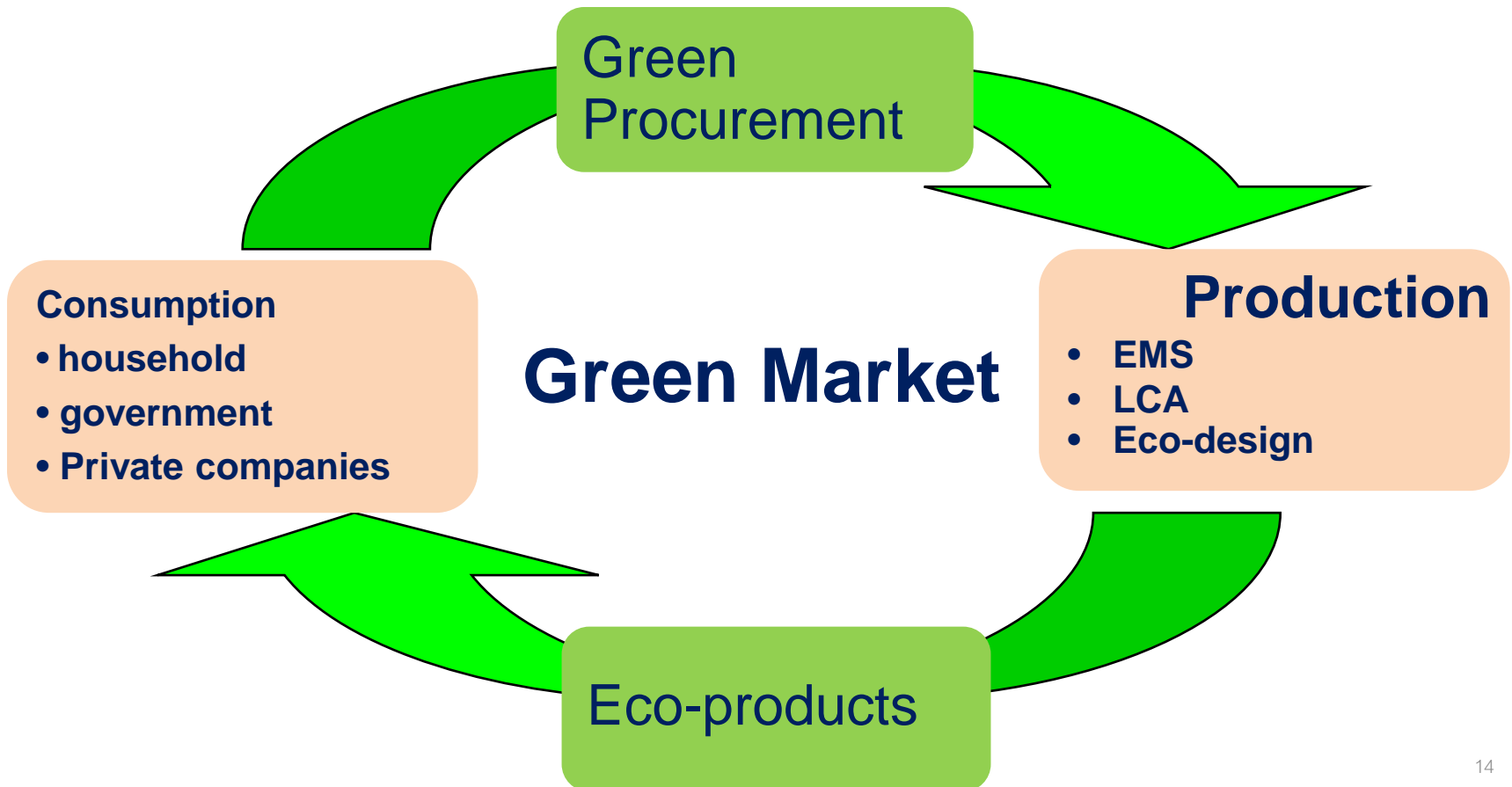
**Save budget for waste  
Disposal 17 million Baht/year**



**Reduce waste to be disposed  
11,225 tons/year**

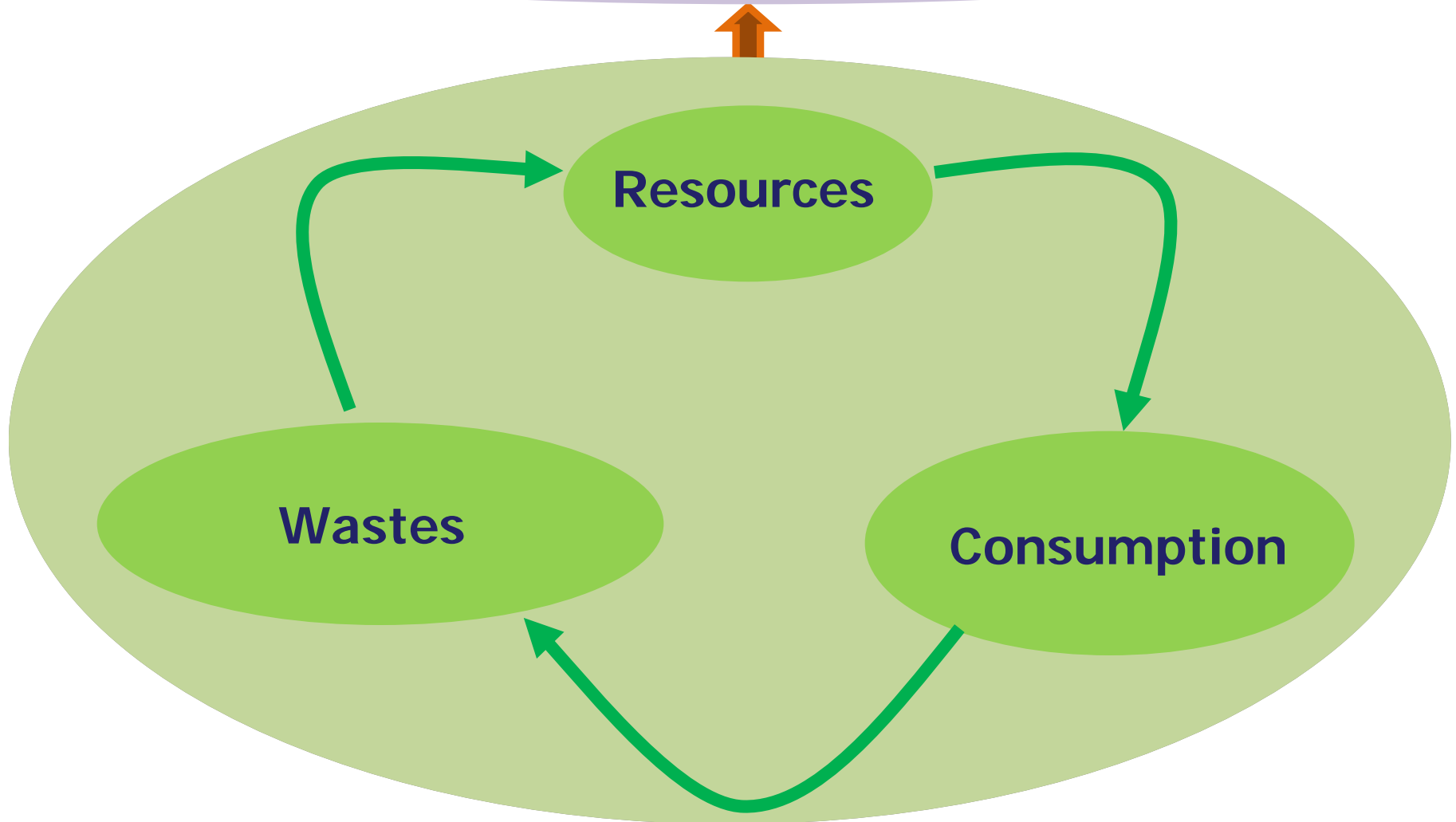
**Benefit for recyclables  
56 million Baht**

Government must take lead in green procurement to promote green marketing mechanisms



# 3R Ultimate Goal

**Sustainable Development Society**

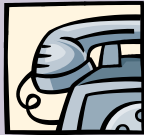


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