

Partnerships for resource efficient societies

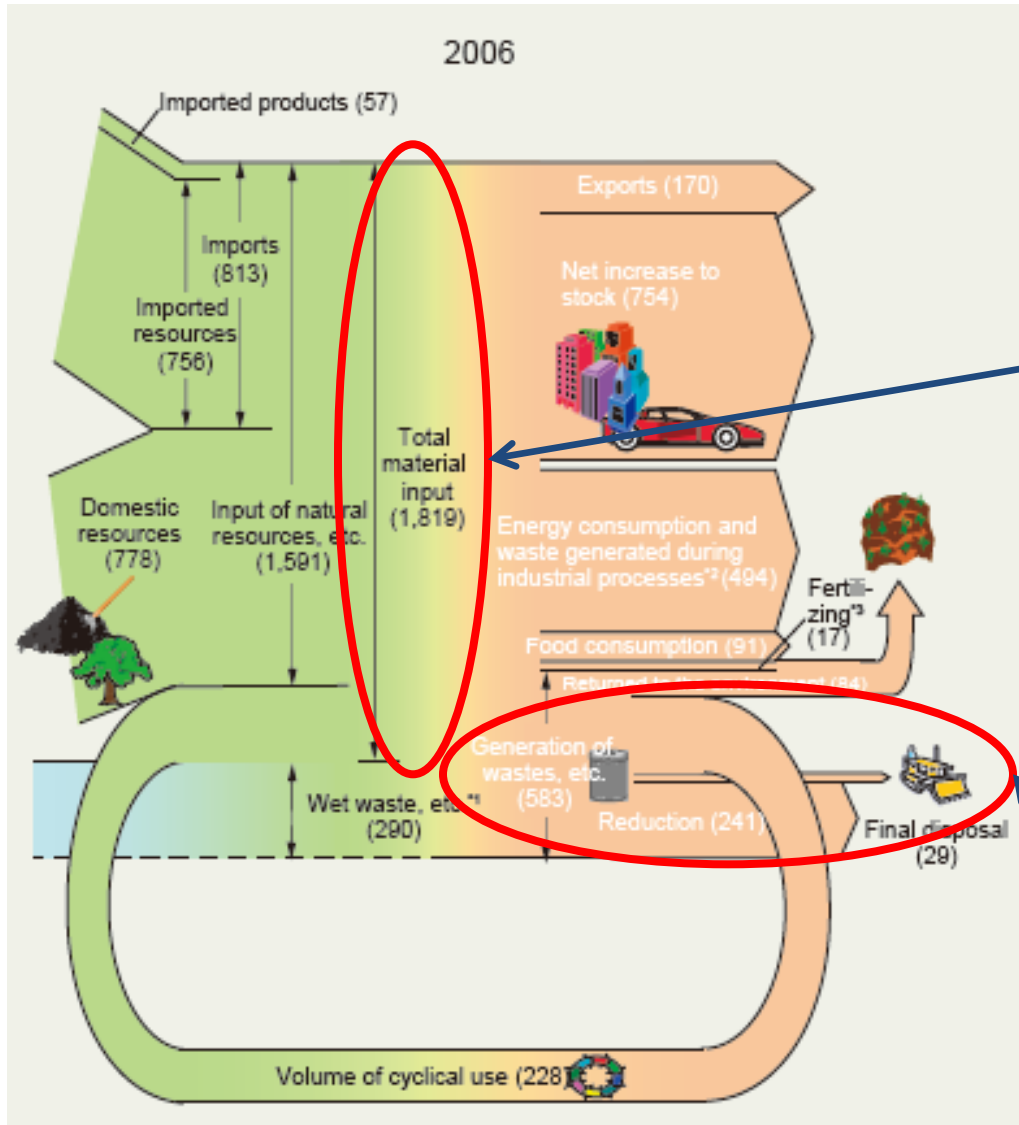
— *Putting the 3Rs into action* —

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Second meeting of the Regional 3R Forum in Asia
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Upstream Focus is Needed

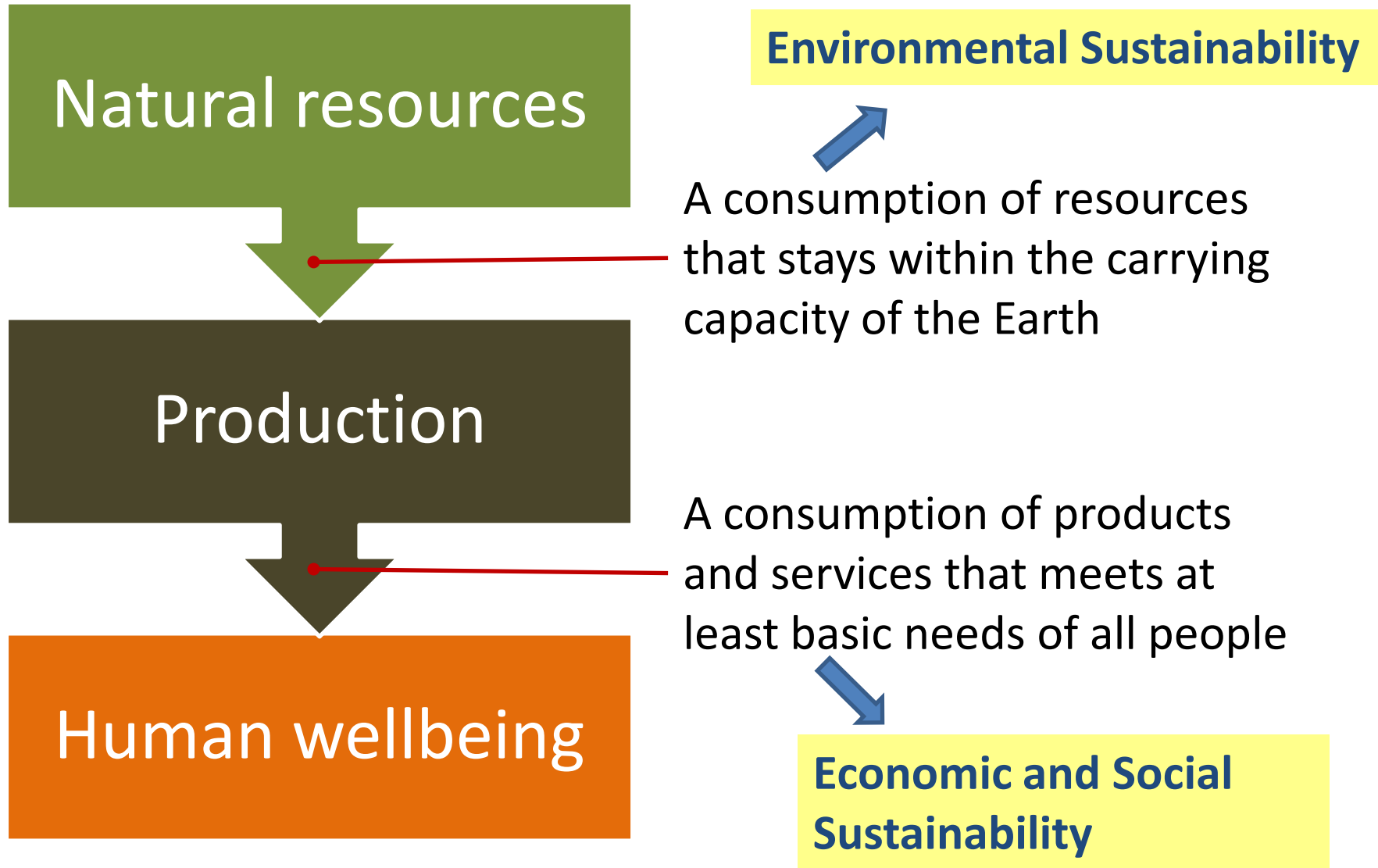


Need to look at **the resources that enter our economies** and how those resources are used in Production and Consumption systems

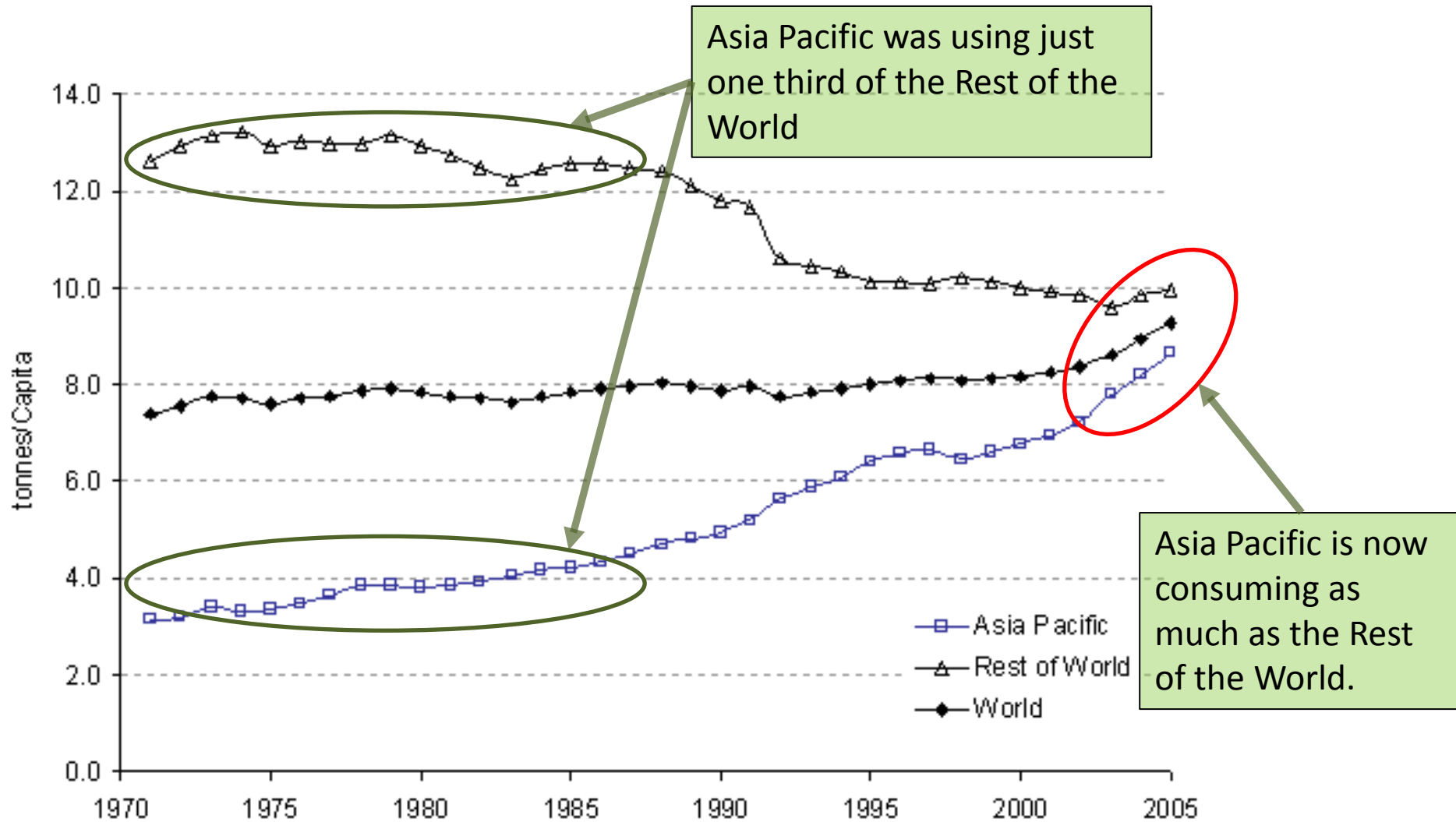
Cannot solve the resource problems by looking at the waste stream

Material flows in Japan. Source: MOEJ

Two Conditions for Sustainable Resource Use



Per Capita Resource Consumption is Increasing



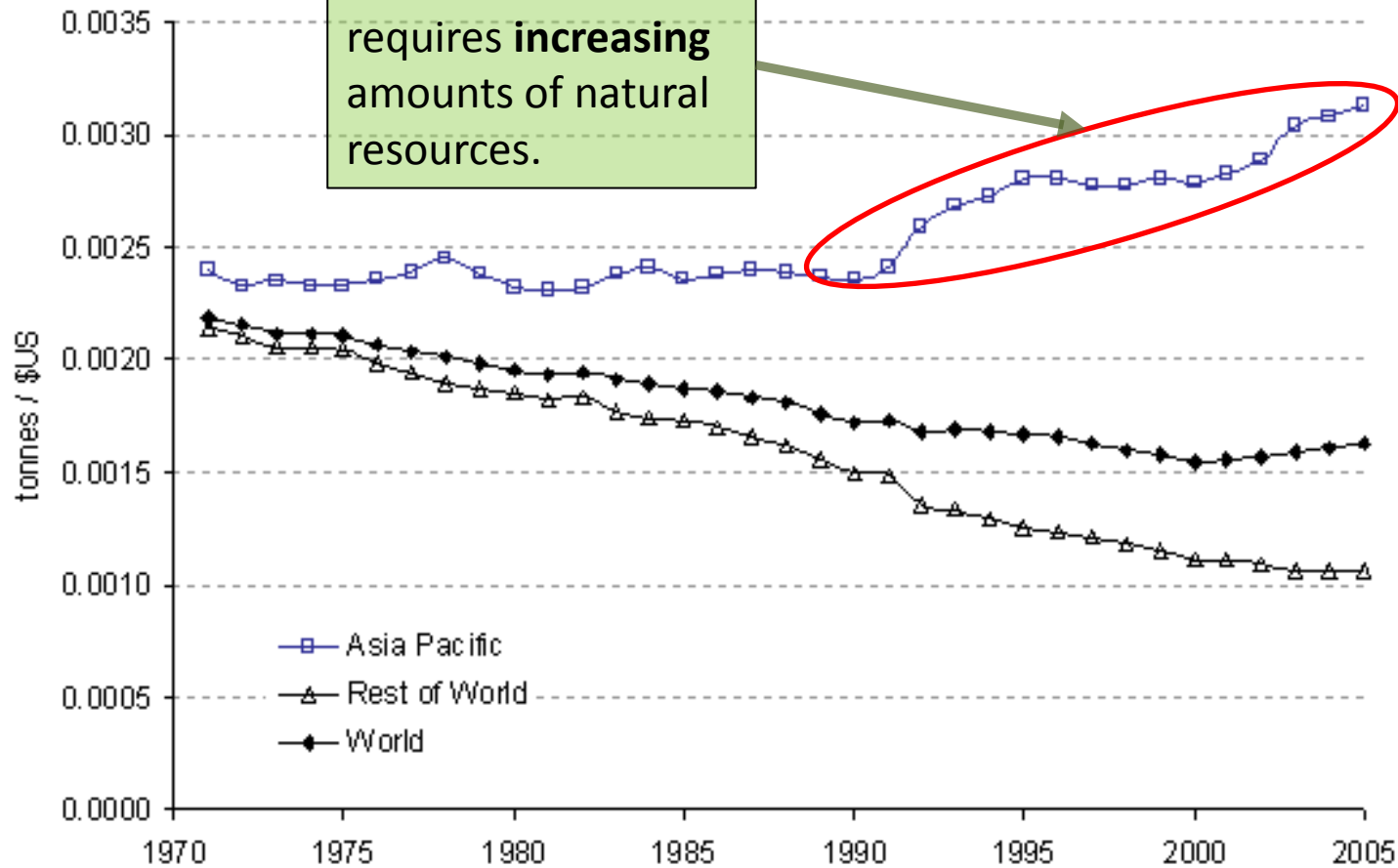
Per Capita Resource Use for the Asia-Pacific, Rest of World and World, for the years 1971 – 2005.

(Total Domestic Material Consumption)

Source: UNEP and CSIRO (Forthcoming)

Decoupling is NOT Happening

Each dollar of GDP requires **increasing** amounts of natural resources.



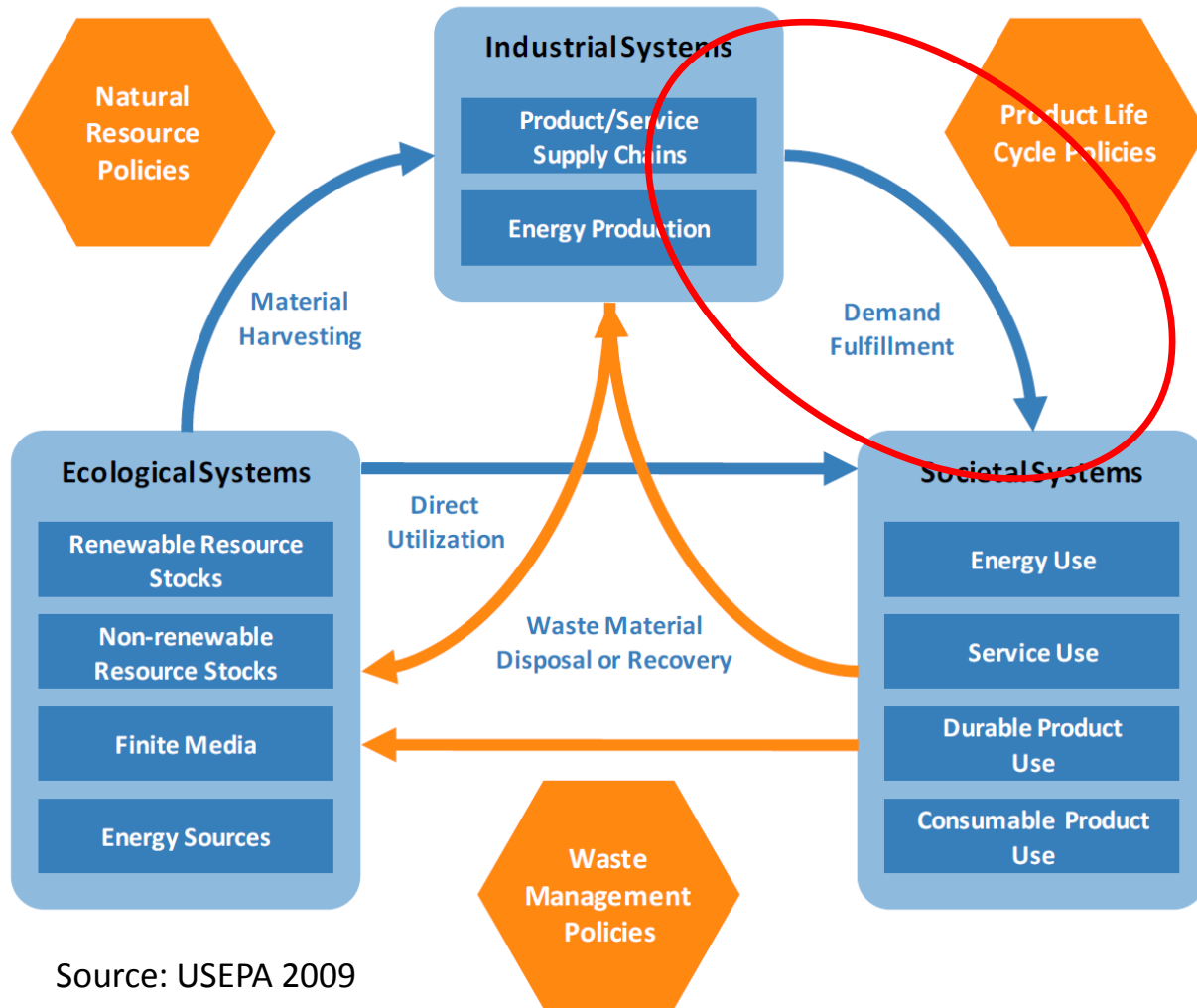
- Current growth patterns are not sustainable
- Strong policy response is needed

Material Intensity for the Asia-Pacific, Rest of World and World, for the years 1971 – 2005.

(Materials are Total Domestic Material Consumption, dollars are constant year 2000 \$US, exchange rate based)

Source: UNEP and CSIRO (Forthcoming)

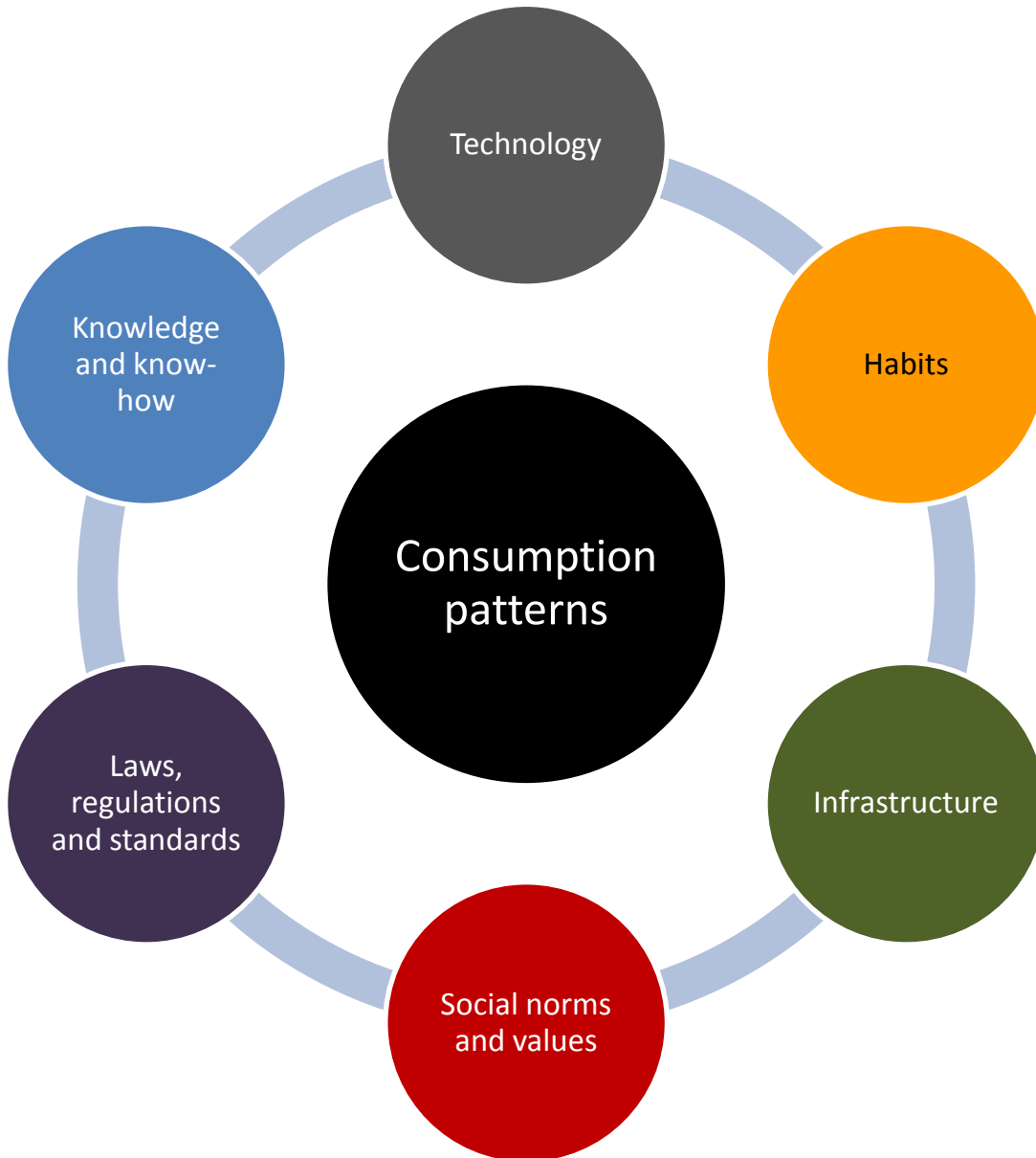
Moving towards Sustainable Resource Use Requires a Holistic Approach



Source: USEPA 2009

- Unsustainable Consumption and Production patterns are the **root cause** of resource depletion, pollution and waste generation
- Only through **engaging with the consumption and production nexus** can unsustainable resource use be effectively addressed

Systems Transformation is Needed



- Consumption patterns are supported by complex socio-technical systems
- Radical transformation of consumption patterns requires that whole systems be modified
- Policies must address several system components simultaneously

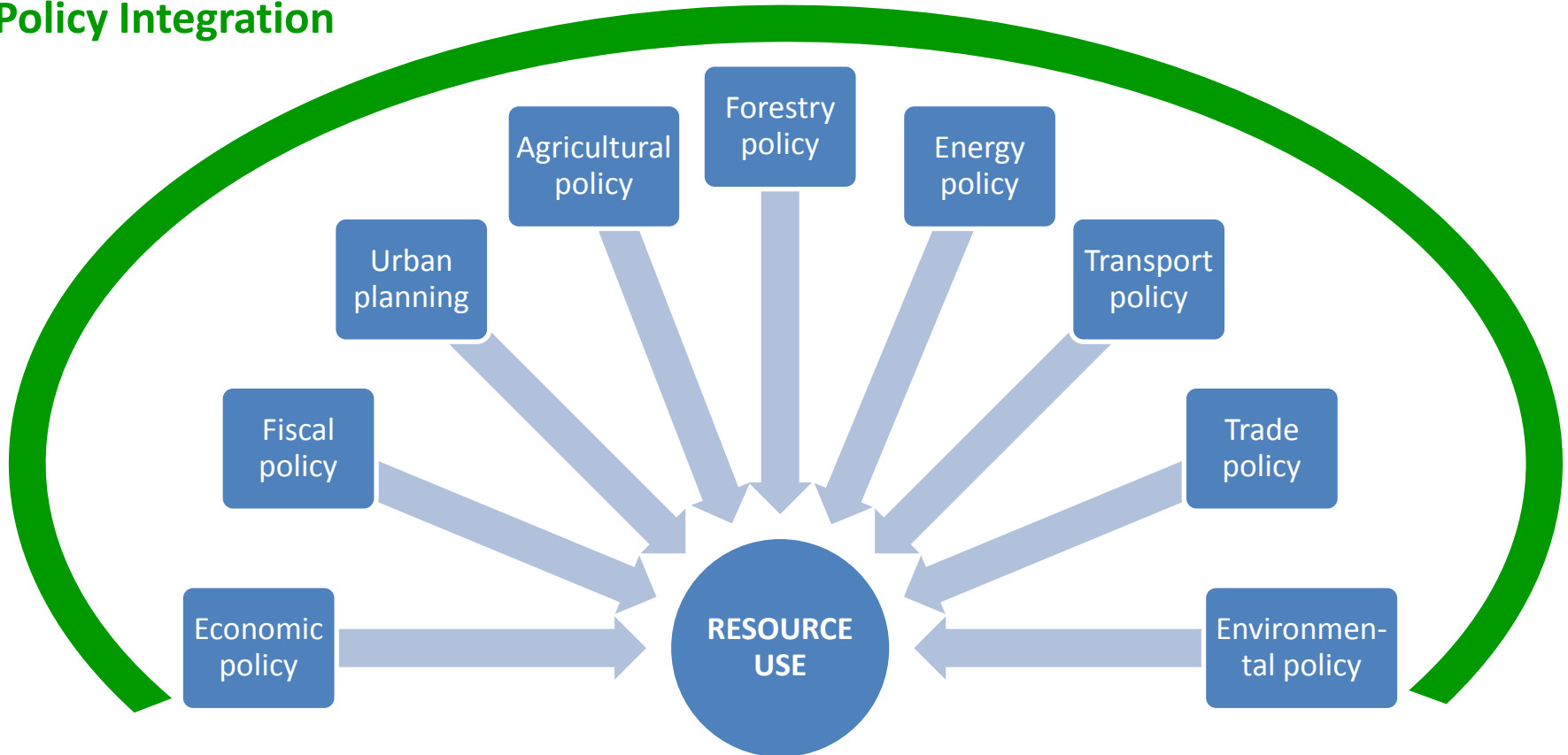
Comprehensive Policy

Frameworks are Needed

- Targeting resource flows at all life-cycle stages
- Addressing the drivers of unsustainable resource consumption in all key sectors
- This requires

Policy Integration

Partnerships need to start within the **Government itself**



**Thank you
for your attention**

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