

ISAP2013-Parallel Session

Exploring Reduction in the 3Rs: Improving Resource Efficiency in Asia and the Pacific

アジアにおける3Rと資源効率向上
資源制約下におけるReductionの可能性を探る

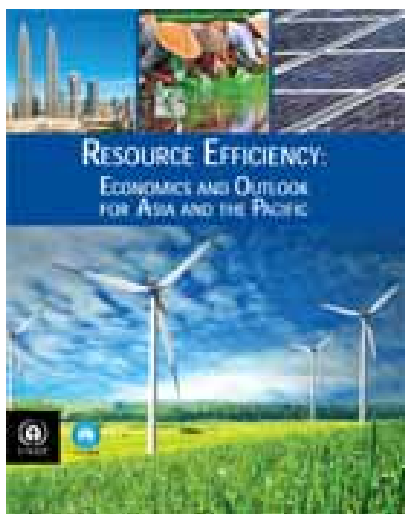
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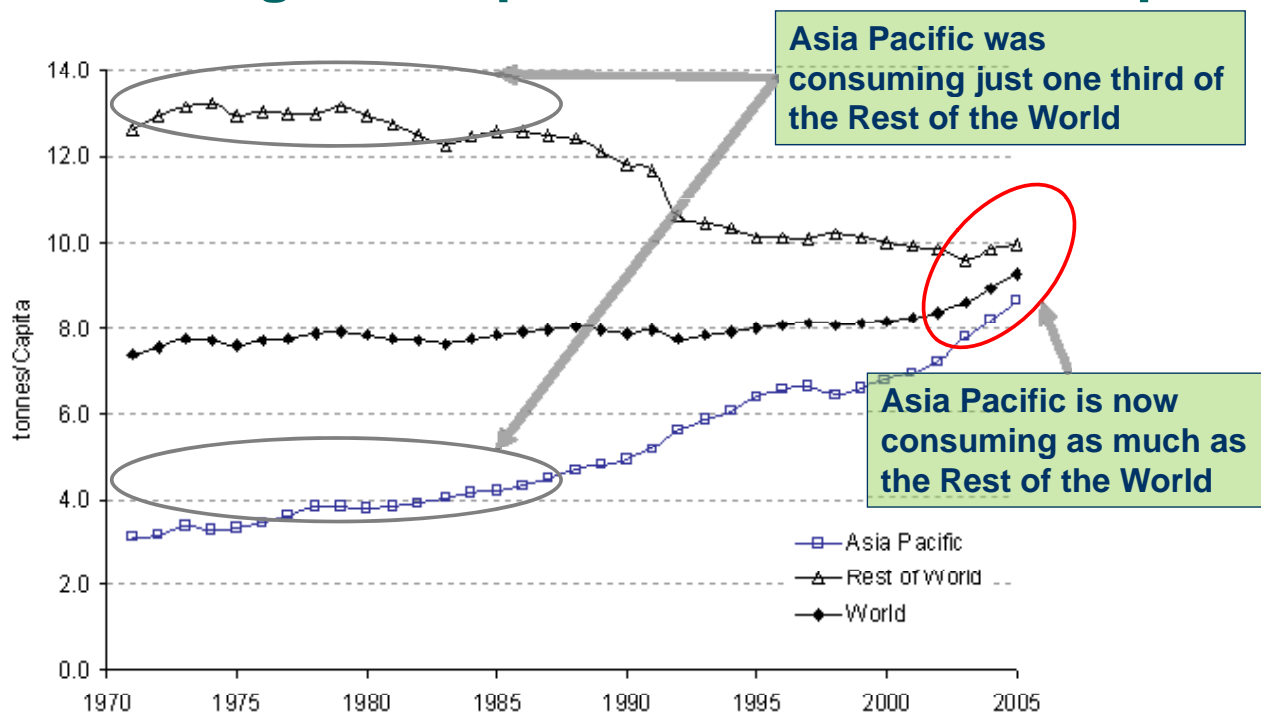
Sustainable Consumption and Production Area

Resource Efficiency: Economics and Outlook for Asia and the Pacific (REEO)

資源効率: アジア太平洋経済への展望

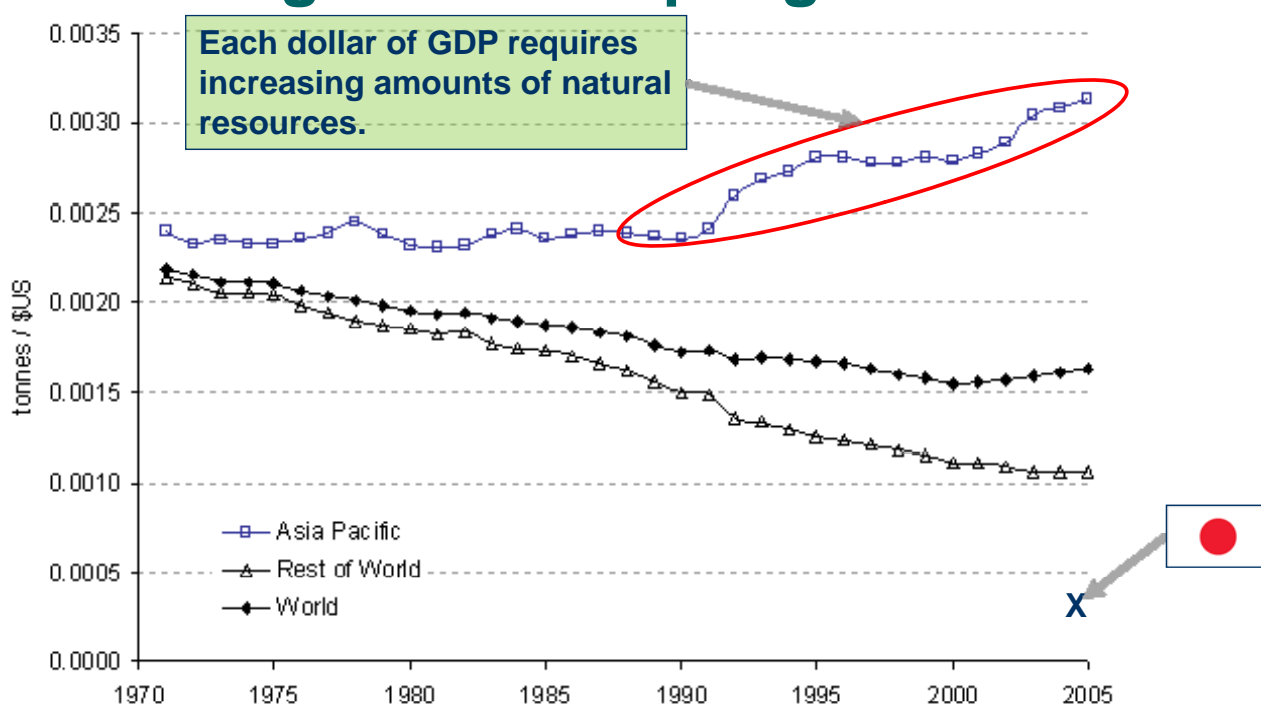


Increasing Per Capita Resource Consumption



Per Capita Resource Use for the Asia-Pacific, Rest of World and World, for the years 1971 – 2005.
(Total Domestic Material Consumption)

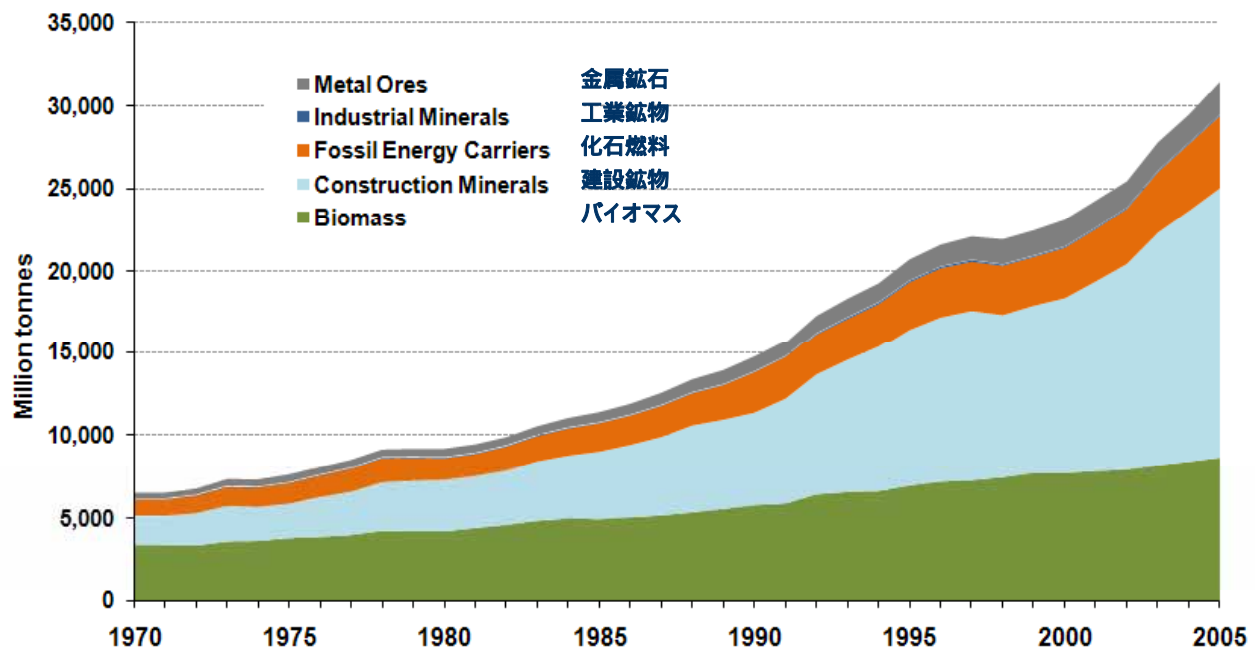
No Sign of Decoupling



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)

Domestic Material Consumption for the AP region, by major category of materials (1970-2005)

Resource consumption: 6 times bigger than 1970 Increase in construction minerals



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The Fifth International Forum for Sustainable Asia and the Pacific (ISAP2013) : July 23th, 2013

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Key Message from REEO

- Current trends in resource consumption are **unsustainable**
- a business-as-usual approach would see resource consumption in the AP region **triple by 2050**.
- **New 'industrial revolution'** that provides food, housing, mobility, energy and water with less resource use and emissions
- The challenge for public policy is to achieve a sustainable transition, enabled by **resource efficiency and systems innovation**.

➢ アジア太平洋地域の資源利用量は持続不可能、現状のままでは、40年後に3倍に
➢ 1人あたりの資源利用量と排出量を現状の20%程度としても食品、住宅、交通、エネルギー、水の供給が可能となる新たな「産業革命」が必要
➢ 資源効率とシステム改革を通じた持続可能な移行が課題

Points for this session

- Find opportunities in resource efficiency improvement in AP region
 - Innovative policies, business and lifestyle
 - 3R, resource efficient development
- Explore beyond Recycling - Reduction
 - More upstream approach
 - to strengthen resource reduction and efficiency at all lifecycle stages
 - Changing of people's mind for resource use
- Discuss future perspective of sustainable resource management
 - Resource Reduction in Developed Economy
 - High Resource Efficiency In Developing Economy

Change in shares of Domestic Material Consumption for the AP region, by major category of materials (1975, 2005) Increase in consumption of Construction Minerals

