

2008. 3



APFED Policy Dialogue

ESD and 3Rs Towards Establishing A Sound Material Cycle Society

Key Elements of Outcome

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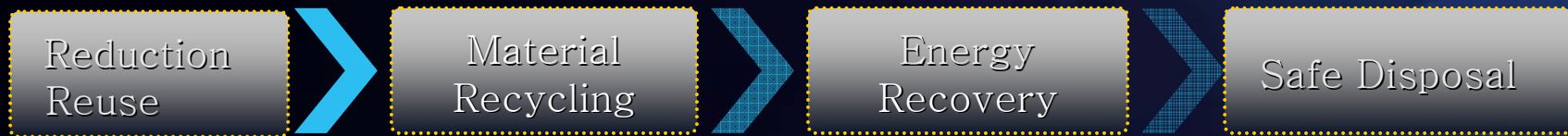
Background

- 1. Asia – Pacific Forum for Environment and Development (APFED) established in 2001 as a regional group of eminent experts,**
- 2. Multi-stakeholder Policy Dialogue is one of the key activities,**
- 3. APFED Policy Dialogue/International Symposium on Education for Sustainable Development (ESD) and 3Rs was held at U of Tokyo with over 20 speakers and 100 participants,**
- 4. Addressed (1) 3R policies and measures, (2) Industry and business sector, (3) Awareness raising, education and research, and (4) civil society action plans, (5) reg/int'l cooperation,**
- 5. Highlighting key elements here while a detailed report is being prepared**

Evolution of 3R Policy in Korea



Policy Priority



Basic Laws & Regulations

Waste Management Act

- Classification of wastes, responsibilities of central/local governments and citizens, comprehensive waste management plans, etc.
- Standards for waste discharge and treatment
- Permission and management of waste disposal business, installation and post-management of waste treatment facilities

Act on the Promotion of Saving and Recycling of Resources

- Basic plans for resource recycling / labeling for separate collection and discharge of recyclable resources
- Improvement on materials and designs (vehicles, electrical/electronics) to promote recycling
- Reduction of packaging waste /EPR /Waste Charge System

Act on the Promotion of Construction Waste Recycling

- Separation of construction waste disposal works
- Quality standards and certification system of recycled aggregates
- Mandatory use of recycled aggregates in construction surpassing a specified size

Philippines – Case of Los Baños, Laguna,

Success factors

- **Legal Basis:** Ecological Solid Waste Management Act (2001)
- **Social Strategies:** Dialogue, education and awareness campaigns,
- **Political Strategies:** Municipal ordinances, supervision teams and volunteers
- **Technical strategies:** Waste segregation at source, and application of second hand machineries for shredding and composting

Outcomes & Benefits: Los Baños



No more burning at the dumpsite

	Biodegradables	Non-Biodegradables
before	33-35 tons un-segregated waste/daily	
after	3.5 tons/daily (mon-fri) 0.5 market wastes/Sunday	45 tons/Saturdays (2.5-3 tons/daily)

Reduced Volume of waste



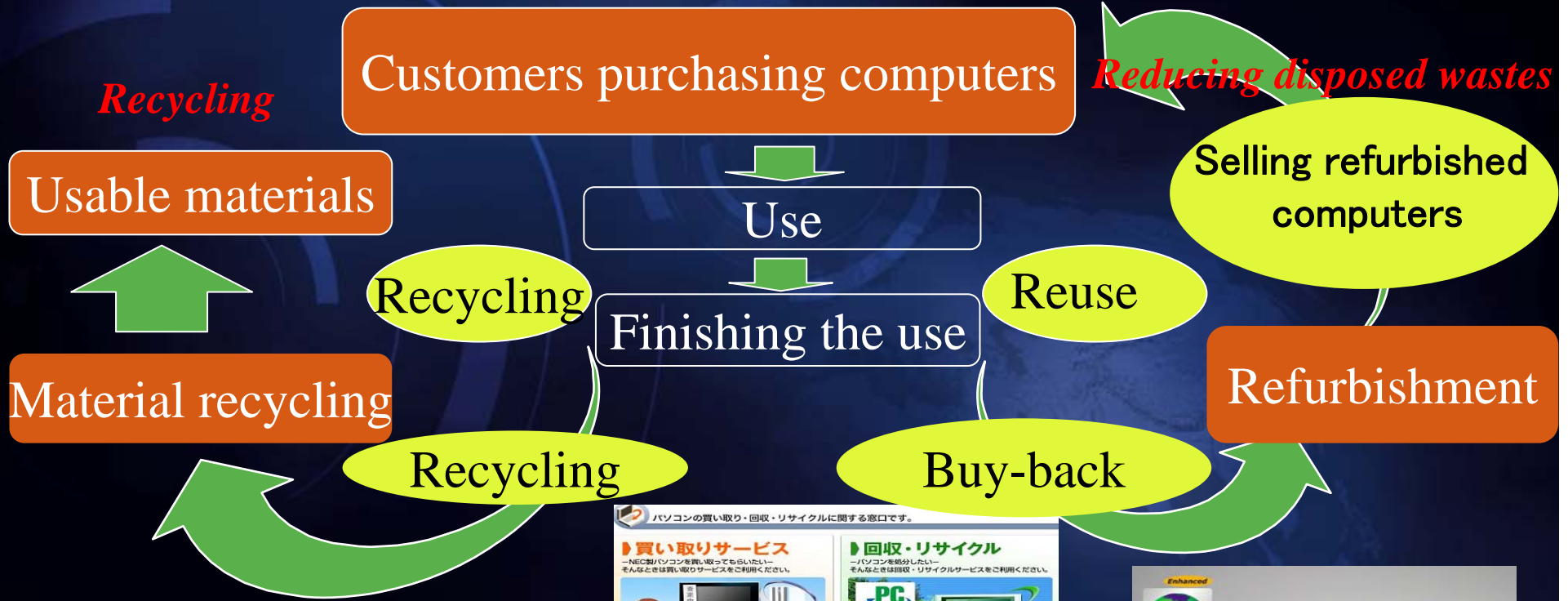
Utilization of Compost from biodegradable waste



Increased awareness and participation of the community in segregation and proper waste management

NEC – Recycling used computers

◆ Promoting reuse and recycling



パソコンの買い取り・回収・リサイクルに関する窓口です。

買い取りサービス

—NEC製パソコンを買い取ってほしい—
そんなときは買い取りサービスをご利用ください。

個人のお客様が現在所有されているNEC製パソコンを買い取らせていただくサービスです。

→ 買い取りサービスのお申し込み/詳細はこちら

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—パソコンを処分したい—
そんなときは回収・リサイクルサービスをご利用ください。

PC
リサイクル

ご家庭で不要になったNEC製パソコン、ブラウン管(CRT)ディスプレイ、液晶(LCD)ディスプレイなどを回収・再資源化するサービスです。

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パソコンの買い替えに関する窓口です。

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でも手元にあるパソコンはどうすればいいの?—
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新しいパソコンをNEC WebDirectサイト「NEC Direct」でご購入いただき、今までも使っていたパソコンを買い取らせていただくサービスです。キャッシュバックやポイント付加などの特典があります。

→ PC買い替えサービスのお申し込み/詳細はこちら

カスタマイズできるNECパソコンなら
NEC Direct



Toyota Motor Corp: Hybrid vehicles – reducing use of fuel



コースターHV(1997)

プリウス(1997)

クラウンマイルドHV(2001)

エスティマHV(2001)

約3.5 million tons of CO2 saved





Education – Field Work

Integrated Research System for Sustainability Science

YES (Youth Encounter on Sustainability)
IPOS (Intensive Program on Sustainability)



Learning
sustainability,
environment and
cultural diversity at
the field



Developing intensive courses in collaboration with foreign universities in the future (Global Summer Programme)

Green Purchasing Network of Japan

Adopting green purchasing guidelines

~ Applying to major manufacturing and service sectors ~



Papers



Stationery



Office furniture



Computers



Refrigerators



Air conditioner



TV



Laundry machines



Toilet papers



Office machines



Cars



Lighting equipments



Uniforms/clothes



Printing services



Hotel



Bathroom equipment

Developing
components of clothes
and food for future
application



Training Needs

**Federal Governments
and Policymakers**

**Urban / Municipal
Authorities**

**Capacity
Building**

**Integrate 3R into the
waste management system**

**Promote resource
conservation based waste
management approach**

**Reformulate Policies and
Regulations towards a
sound material cycle society**

Waste Handlers

Formal Informal

Training

**Enhance awareness on value
of resources**

**Promote safe handling of
waste to avoid health risk**

**End Citizens and
the community**

**3RKH
Education**

**Enhance awareness on value
of resources**

**Promote waste avoidance
and waste reduction**

**Inculcate resource
consciousness and 3R**

Key elements of outcome (1)

- 1. Policy, institutional and human resource development to be developed,**
- 2. Incentive/disincentives schemes to be applied,**
- 3. Financial and market mechanisms to be transformed,**
- 4. CSR (Corporate social responsibility) movement must be capitalized,**
- 5. 3R integrated in ESD,**
- 6. Eco-labeling and information measures to be better used,**
- 7. 3R, climate change/GHG emission reductions and ESD to be addressed in integrity**

Key elements of outcome (2)

- 8. Sustainability value must be mainstreamed in University educational programmes,**
- 9. University pedagogy must be further devised to develop various skills and ability to better address sustainability,**
- 10. Awareness raising, capacity development, training and education must be supported at the national, regional and international levels,**
- 11. Youth involvement must be promoted,**
- 12. Technology cooperation should be facilitated,**
- 13. Policy research should be promoted for addressing socio-economic and political factors to facilitate effective implementation of 3R policies and actions.**



Thank you !

