Country-Country Cooperation and Partnerships in Implementing 3Rs Multilayer Partnership and Coalitions as Basis for 3R Promotion

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Fifth Regional 3R Forum in Asia and Pacific, Surbaya, Indonesia (25-27th Feb, 2014) on 'Multilayer Partnerships and Coalition as the Basis for 3Rs Promotion in Asia and the Pacific'

Country-Country Cooperation

- Countries working together to find solutions to common development challenges.
- Closer technical and economic cooperation among countries to share best practices.



Implementing 3Rs

Rethin	king the	3R (4R?)
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New Paradigm – Waste to Resource Thinking & Life Cycle Approach

Innovation - Technology , Business Models and Financing mechanism

Multi stakeholder, Multi-layered Institutional Partnerships

Reform in Policy, Congruence

Progressive Gradual Approach

Zero Waste System



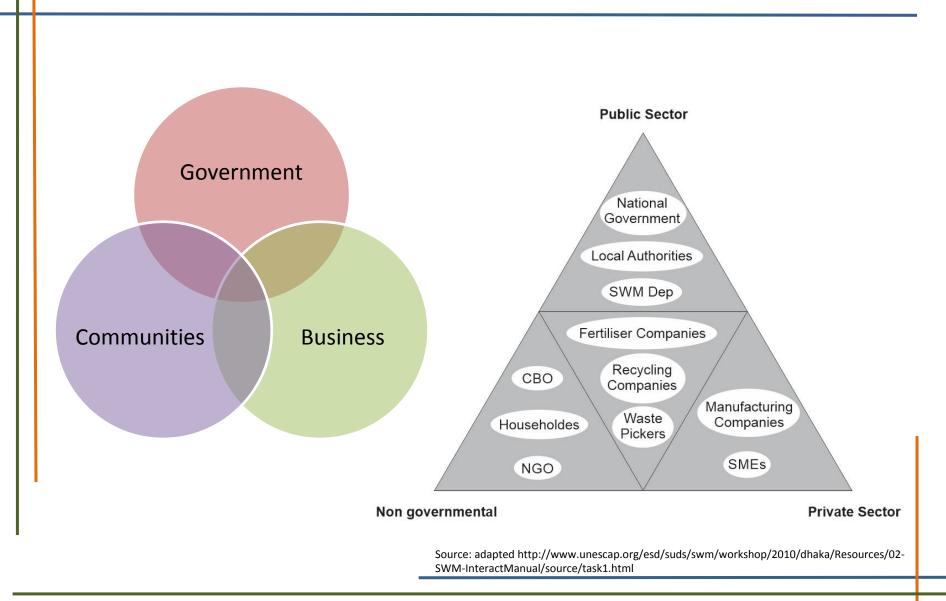
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Innovation: Business, Technology, Finance

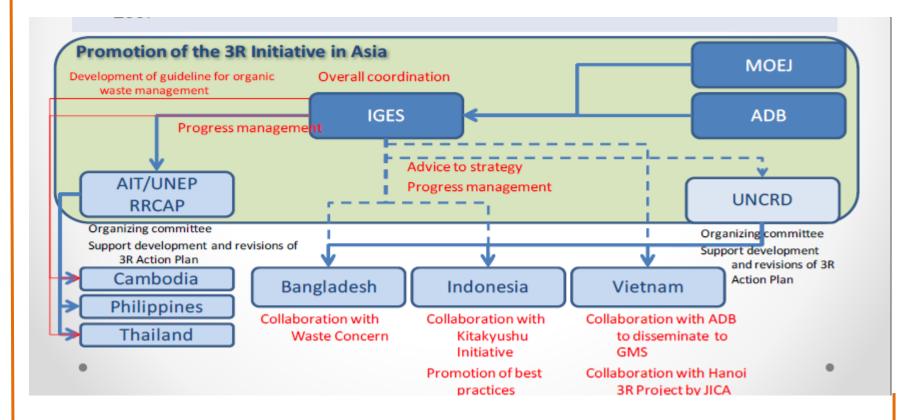
- Product Design
- Extended Producers Responsibility
- Decentralized systems
- Waste to Energy
- Material Recovery
- Public private partnership
- Informal sector formalization

Multi Stakeholder Multi-layered Partnerships



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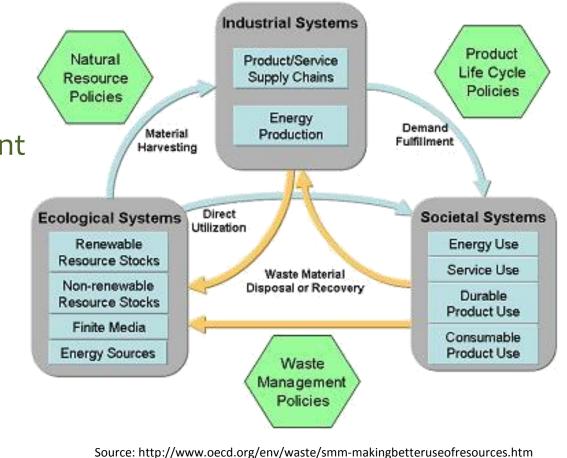
Japan- Asia: 3R Strategy Development Program



Source: Yatsu. R. 2013 (18th-20th March 2013). (Power point Slides) . Japan's efforts of country-country cooperation and CCAC as a new framework of international cooperation. Presented at The 4th Regional 3R Forum , Hanoi

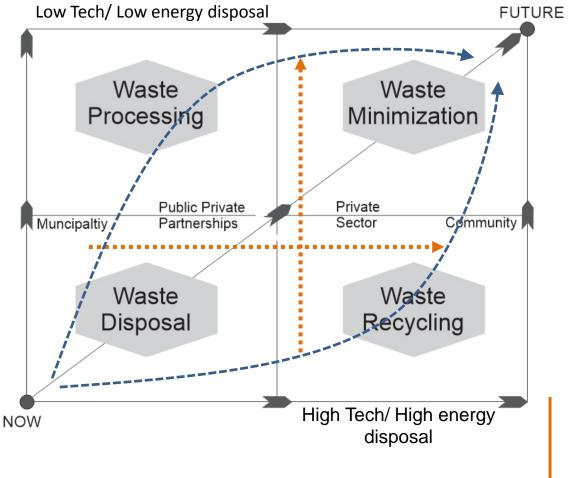
Reform in Policies and Policy Congruence

- Environment
- Energy
- Commerce
- Agriculture
- Urban Development



Progressive Gradual Approach

- Disposal to Minimization
- Municipality (local authority) to Multi Stakeholder



Source: adapted from http://www.gdrc.org/uem/waste/continuum/continuum.html

Benefits of Country-Country

Cooperation

- Sharing of waste management experiences
- **3R Technologies** better opportunities for adoption and applicability
- Good waste management practices avoiding mistakes, reducing duplication
- Knowledge networking, pooling of Expertise on 3Rs
- Avenues for collaborative learning for capacity building
- **Policy strengthening** (waste2resource) and to achieve **harmonization**

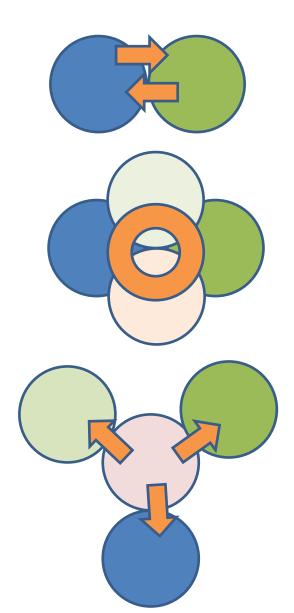
EXAMPLES OF COUNTRY-COUNTRY COOPERATION

Models of Cooperation

• Twinning model

• Cluster model

• Hub & Spoke model



Cooperation : Model Type

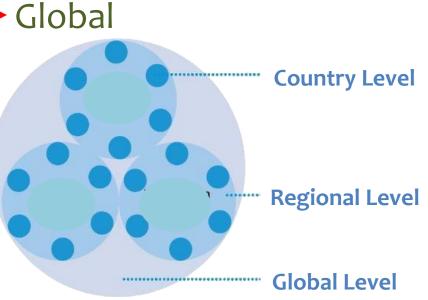
- Basel Convention -----> Hybrid Model
- J-PRISM -----> Hub & Spoke Model
- SWEEP-NET ·····• Cluster Model
- RECO- Baltic
 Cluster Model
- GPA (Marine Litter) Hub and Spoke Model

Cooperation : Type of Scales

- Basel Convention ------ Global
- J-PRISM ——— Country to Country Level

Regional

- SWEEP-NET Regional
- RECO- Baltic
- GPA (Marine Litter) ••••• Global



Cooperation : Thematic or Issues of

Concern

- Basel Convention -----> Hazardous Waste
- J-PRISM Island Sensitivity
- SWEEP-NET Information Exchange
- RECO- Baltic
 Technology & Investments
- GPA (Marine Litter) ---- Marine Litter

Basel Convention Partnership Program

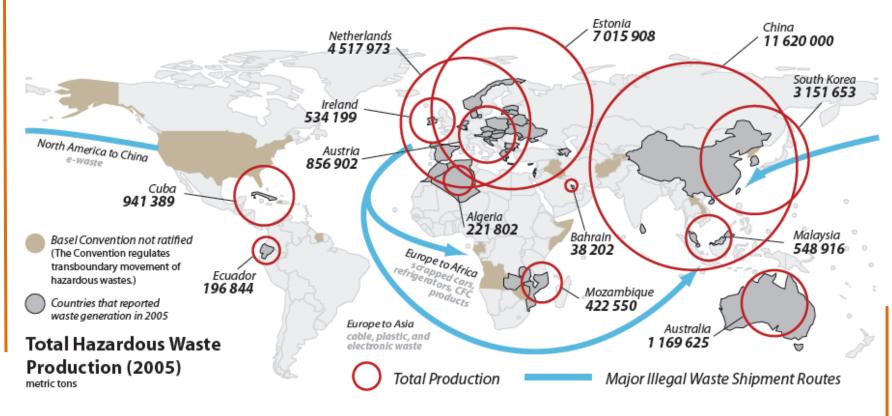
- To control the transboundary movements of hazardous wastes and their disposal in an **environmental sound** manner
- Aims to control hazardous wastes from generation through to storage, transport, treatment, **reuse**, **recycling**, **recovery** and final disposal
- Waste covered: E-waste, Ships , Mercury and asbestos wastes, Illegal dumping of hazardous wastes



Source: http://geodata.grid.unep.ch/download/Harmful%20Substances%20-%20Hazardous%20Waste.pdf

Basel Convention Partnership Program

Spatial extent of the Basel convention



Source: Basel Convention 2005, National Reporting ; UNEP 2006, Vital Waste Graphics 2.

Source: http://geodata.grid.unep.ch/download/Harmful%20Substances%20-%20Hazardous%20Waste.pdf

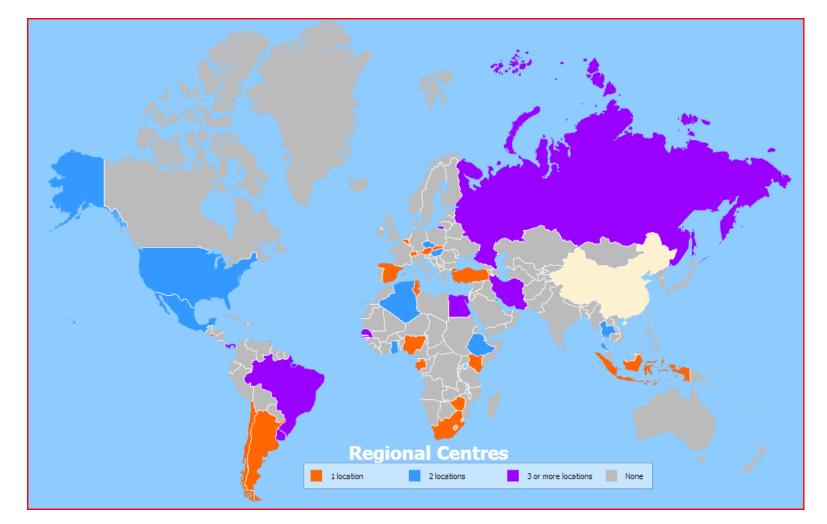
Basel Institutional Structure

• Conference of the Parties, Secretariat, Basel Convention Regional and Coordinating Centres



REGIONAL OFFICES http://www.basel.int/Partners/RegionalCentres/Overview/tabid/2334/Default.aspx

BASEL CONVENTION : Centres



Source: http://archive.pic.int/ammap/map/regc/index.html

Basel Initiatives

- Mobile Phone Partnership Initiative
- Partnership for Action on Computing Equipment
- The Global Programme for Sustainable Ship Recycling
- National Reporting and Online Database
- Inventory of E-waste and Hazardous Waste
- Cleaner Production

J-PRISM

- Japanese Technical Cooperation Project for Promotion of Regional Initiative Solid Waste Management (J-PRISM)
- Need: Small Islands : Waste Management Serious Issue
 Purpose: Strengthening Human and institutional capacity
 base for sustainable SWM in the Pacific Region through the
 Pacific Regional Solid Waste Management Strategy
- Objectives:
 - Achieving the regional goal (RSWMS2010-2015)
 - Assisting South-South cooperation through strengthening regional human resources
 - Better implementation through efficient and effective resource management

J-PRISM: Partnership to Action

Japan's Scheme

i.Grant Aid	
ii.Technical Cooperation	
iii.Grant assistance	
iv.Despatch Experts	
v.Training	
vi.Japan Overseas Cooperation Volunteers	
/Senior Volunteers	
vii.Contribution to international	
authorities	

Various Actors

(MoFA, JICA, etc.) vi.Other Donors

iii.SPREP

v.Basel Secretariat

vii.NGOs working on

Waste Management

iv.WHO

Actions

i.Training on Solid Waste Management in		
Collaboration with Various Actors		
ii.Application of Training to Countries		
iii.Pacific Regional Strategy and National		
Policies on Waste Management		
iv.Introduction of Semi-aerobic Landfill		
Technology		
v.Transfer of Successful Waste		
Reduction Practices in Shibushi		

Countries/Regions

i. Papua New
Guinea
ii. Fiji Islands
iii.Vanuatu
iv.Micronesia
v. Kiribati
vi.Marshall Islands

- vii.Nauru viii.Samoa ix.Tonga x.Cook Islands xi.Tuvalu
- xii. Niue

Municipalities

ii.Japanese

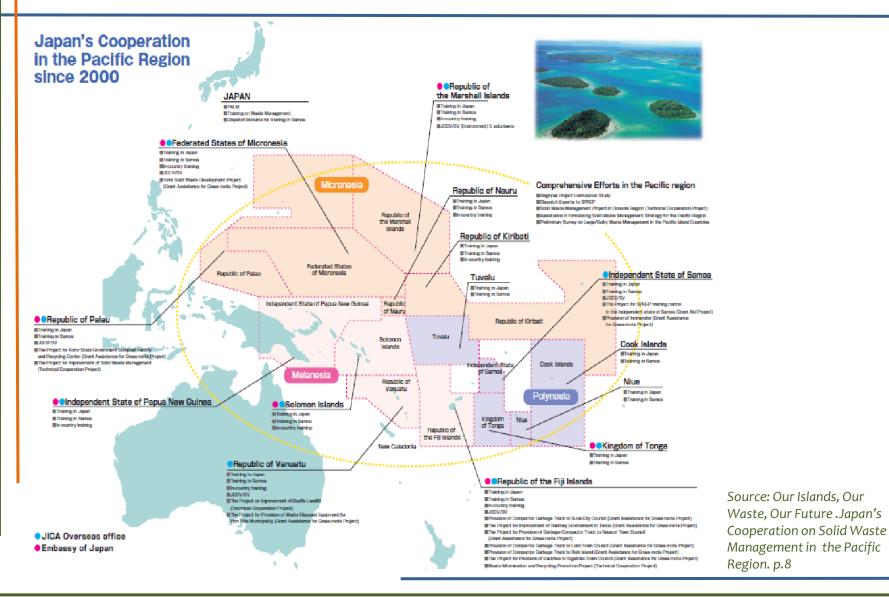
i.Japan's

governmental

organizations

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J-PRISM: Countries

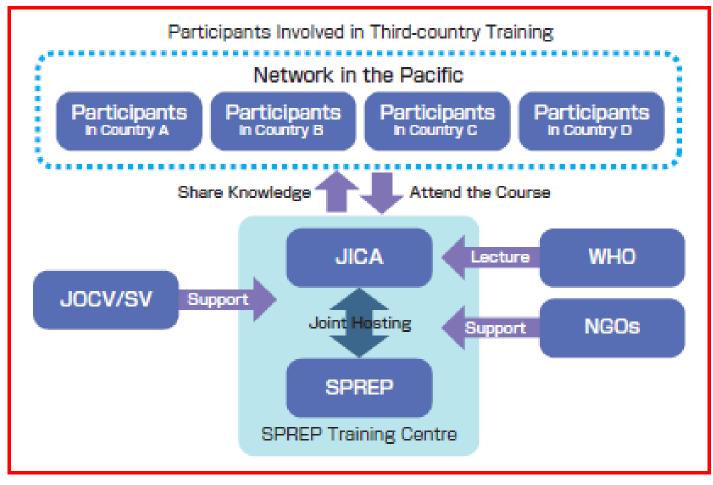


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J-PRISM: Partnerships

Multi Stakeholder Partnership on Training

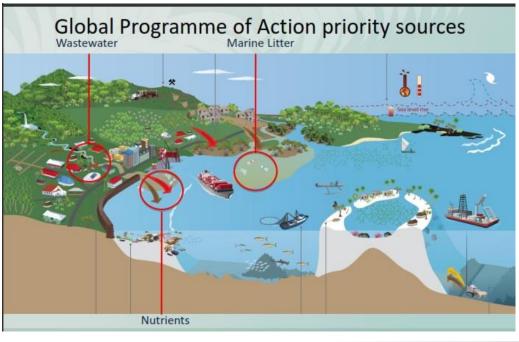


Source: Our Islands, Our Waste, Our Future . Japan's Cooperation on Solid Waste Management in the Pacific Region. p.6

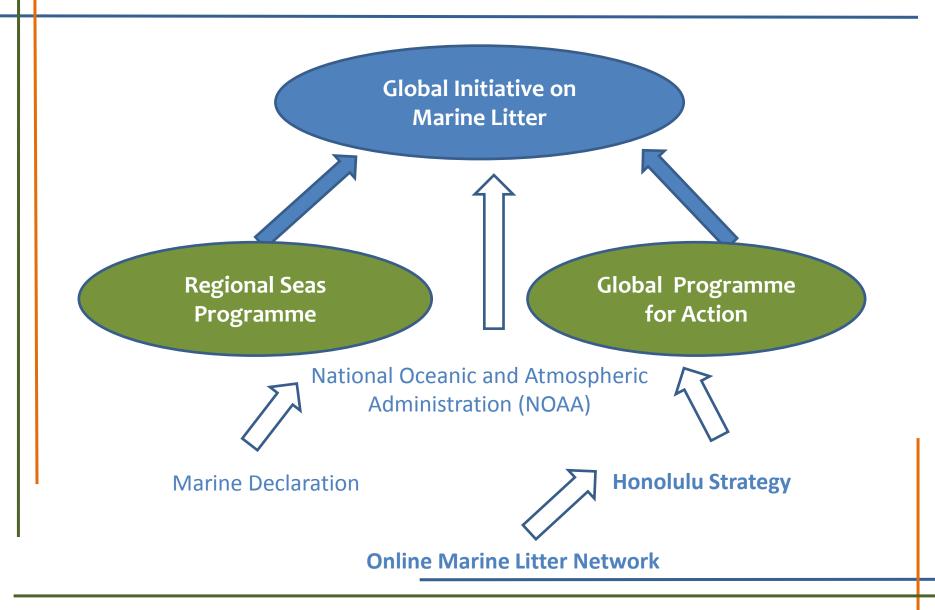
Global Programme of Action

- For the Protection of the Marine Environment from Landbased Activities
- Aim: To prevent the degradation of the marine environment from land-based activities by facilitating the realization of the duty of States to preserve and protect the marine
 Elobal Programme of Action priority sources

Source: Carruthers T. R. Secretariat of the Pacific Regional Environment Programme (Power point Slides) . Future of the Regional Seas Conventions and Action Plans: Relevance to implementation of the Global Programme of Action http://www.gpa.unep.org/index.php/global-partnership-onnutrient-management/publications-and-resources/second-globalconference-on-land-ocean-connections-gloc-2/190-carruthersfuture-of-the-regional-seas-conventions-and-action-plans-relevanceto-the-implementation-of-the-gpa/file?limit=50



Global Programme of Action: Marine Litter



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Global Programme of Action: Honolulu Strategy

Global Framework for Prevention and Management of Marine Debris

Reduced amount and impact of land-based sources of marine debris introduced into the sea

Reduced amount and impact of sea-based sources of marine debris, including solid waste; lost cargo; abandoned vessels

Reduced amount and impact of marine debris on shorelines, in benthic habitats, and pelagic waters

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RECO Baltic 21 Tech

- Towards Sustainable Waste Management in the Baltic Sea Region
- Baltic Waste Management Council an initiative
 of RECO Baltic 21 Tech
- Council gives officials from ministries, environmental protection agencies and authorities an opportunity to meet and discuss waste-related issues on a Baltic Sea level.

RECO Baltic 21 Tech: Sustainable Waste Management

Project Details

i.Project budget in EUR: 2.721.410,00 ii.Objective:

- establish one transnational and crosssectorial platform for waste expertise
- develop 'best' pilots unlocking investments of €20 million and direct links to potentially 10 investors
- Develop a BSR strategy and investment model for waste management

Various Actors

Project Areas

i.paper and cardboard recycling
ii.glass waste recycling
iii.plastic waste recycling
iv.Biological composting
v.Mechanical and biological treatment
vi.Waste Management systems
vii.Vermicomposting
viii.Landfill Gas collection using biocell
ix.Household Battery waste collection

Countries

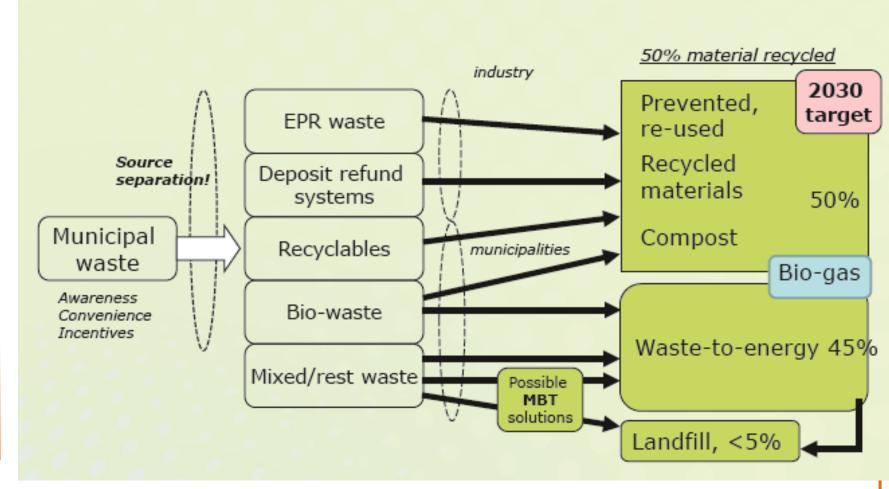
i.ERDF ii.ENPI iii.ESRLDA iv.Sustainable Business Hub v.IVL Swedish Environmental

Research Institute vi.European Investment bank vii.NEFCO viii.SEK ix.and Others

EU Countries vi.Finland i. Estonia vii.Latvia ii. Poland viii.Lithuvia iii.Germany iv.Denmark v. Sweden

Non-EU i.Russian Federation ii.Norway iii.Belarus

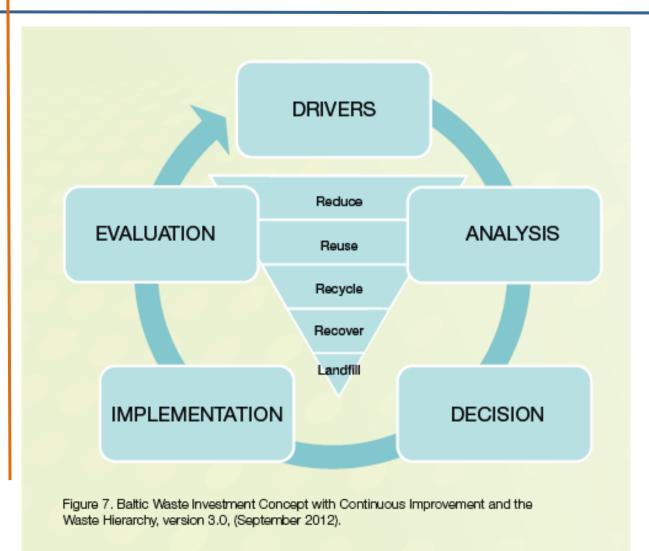
RECO Baltic 21 Tech



Vision for Waste Management for 2030

Source: Joint Baltic Sea Region Strategy for Municipal Waste Management p. 4 &53 http://www.recobaltic21.net/downloads/Public/Project%20results/bsr_strategy_online_version0.pdf

Baltic Waste Investment Concept



Source: Joint Baltic Sea Region Strategy for Municipal Waste Management p. 4 &53 http://www.recobaltic21.net/downlo ads/Public/Project%20results/bsr_str ategy_online_version0.pdf

Cooperation for Knowledge Networking

- SWEEP-Net
- IPLA
- GPWM
- D-Waste
- WTERT

SWEEP NET



German Federal Ministry for Economic Cooperation and Development (BMZ)

Objectives & Outputs

Regional network for Communication

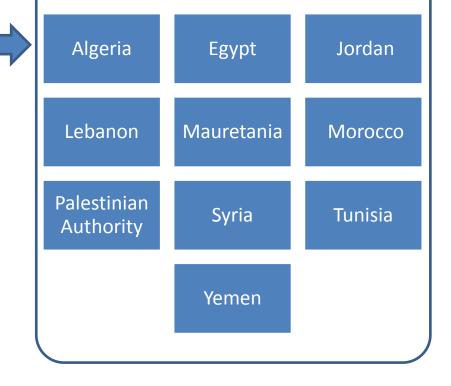
Bilateral South-South exchanges

Regional conferences

Documents on Best Practices

Database of Country Profiles





IPLA

International Partnership for Expanding Waste Management Services of Local Authorities





The Stakeholder to form an "Eco System" for interest of the LAs

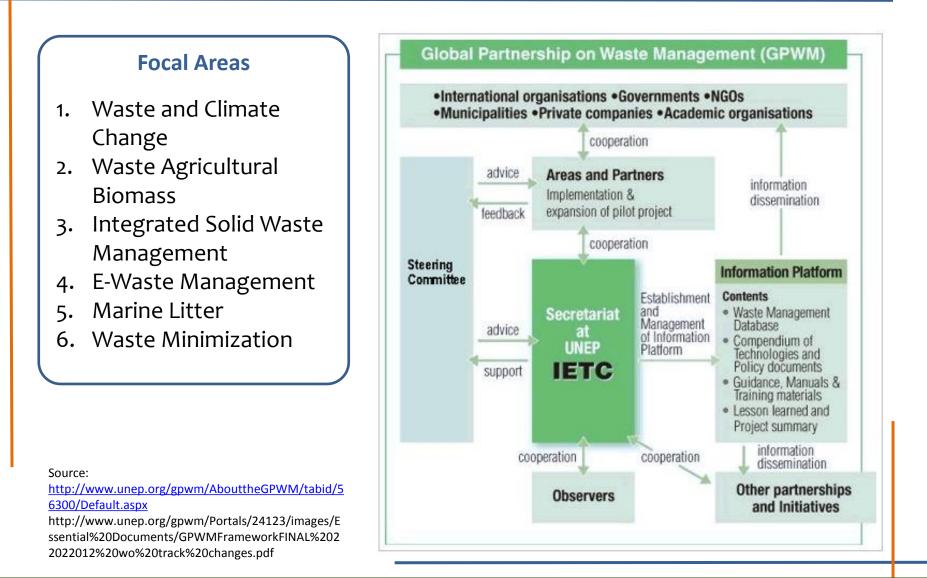
The Overall Structure of the International Partnership

Source: http://www.iplaportal.org/AboutIPLA.aspx

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Global Partnership on Waste Management



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WAY FORWARD



Creating a Referral checklist or a framework

Country Assessment using Referral framework

Following National priorities

Setting up Collaborative models

Geopolitical considerations

Focal Themes of Engagement

Use of Exiting networks and co-operations

Factoring Donor interests/preferences

Referral Framework for Promotion of 3Rs

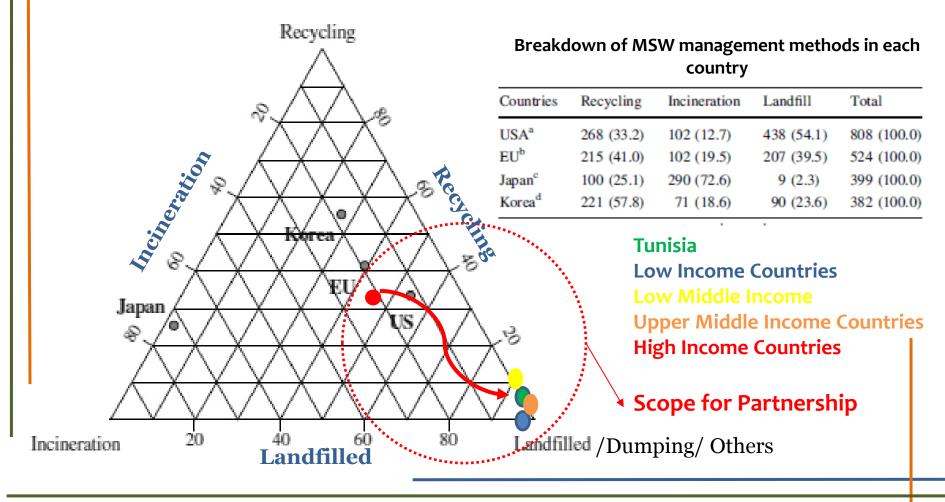
- Policy
- Principles (Life Cycle)
- Regulations (Incentives & disincentives)
- Standards (Products)
- Benchmarks (Waste generation)
- Programs (awareness)
- Projects (Pilot)
- Financing (business)
- Partnerships
- Monitoring & Enforcement

- Institutions
- Infrastructure
- Human resources (training)
- Private sector and informal sector involvement
- Awareness creation (segregation)
- Data & reporting
- Research, Innovation, Technology development
- Knowledge management

Country Assessment and National Priorities

Distribution of rate of Incineration, Recycling, Landfilled

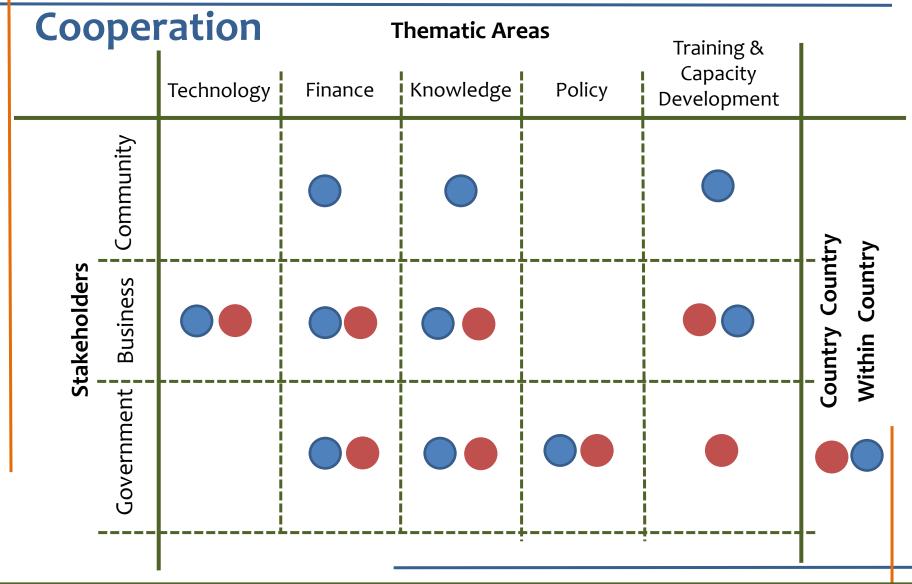
Source: Sakai S. et al. 2009. International Comparative Study of 3R and Waste Management Policy Developments. 3R International, Kyoto Workshop on 3R and Waste Management



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Illustrative Matrix to identify Themes of



Key messages

- Country Country Cooperation is the way forward to promote **4Rs**
- However a structured process should be followed
- Period of engagement should be long enough to achieve sustained impact
- **4R** related Policy strengthening, harmonization and congruence will be play an important role
- Regional investment programmes & Knowledge networks will help catalyze



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