MARINE PLASTICS & CIRCULAR ECONOMY

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Delphine Arri, PhD
Senior Environmental Engineer & PROBLUE marine pollution
Global Platform, Environment & Natural Resources & Blue Economy
The World Bank
darri@worldbank.org
MARINE LITTER AND PLASTICS PREVENTION IS CRUCIAL TO THE BLUE ECONOMY, AND MORE

Healthy oceans
SDG14.1
3, 5, 6, 11, 12, 13, 15
MARINE LITTER AND PLASTIC PREVENTION IS CRUCIAL TO THE BLUE ECONOMY, AND MORE

- Healthy communities
- Healthy economies
- Circular Economy Resources efficiency

Healthy oceans
SDG14.1
3, 5, 6, 11, 12, 13, 15
THE PLASTIC POLLUTION PROBLEM
It is everywhere…
THE PLASTIC POLLUTION PROBLEM

Economies

$75 billion/year
Environmental costs of plastics

$13 billion
Downstream costs to marine ecosystems

Ecosystems

At least 700 marine species ingest microplastics

People

An example of how microplastics could end up on a consumer's plate

Source GRID-ARENDAL
The Plastic Pollution Problem

East Asia is current epicenter, ...

SIDS are particularly vulnerable

...and MENA, Africa and South Asia are next

Source: Lebreton et al.

Current & Projected Waste Generation by Region in 2016, 2030 and 2050

Millions of tons per Year (source: “What a waste 2.0” 2018)
UNDERSTANDING THE PLASTICS LIFECYCLE IS KEY...

Plastics lifecycle

- Imports
- Production (Traditional & innovative)
- Conversion & manufacturing
- Usage
- Waste
- End of life… in the environment

9% of plastics being recycled globally
...TO ADAPT THE SOLUTIONS AND INVESTMENTS

+2 billion persons by 2050*

50% increase of plastics consumption

+2 billion people currently lack SWM service

Increase of SWM & producer responsibility costs

$Billions of investment needs
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SWM solutions will not be enough...

Need to look upstream: circular economy
Circular economy:

• Design OUT waste and pollution
• Keep products and materials IN USE
• Regenerate natural systems

Ellen MacArthur Foundation
CREATING PLASTICS CIRCULARITY

Keeping plastic molecules in the economy

Plastics lifecycle

Producer responsibility
Imports
Production
Conversion & manufacturing
Usage
Waste
End of life… in the environment

Consumer behavior
SWM priority

Traditional & innovative
CREATING PLASTICS CIRCULARITY

Keeping plastic molecules in the economy

- **Producer responsibility**
- **Consumer behavior**
- **SWM priority**

**Imports**

- **Production**
  - Traditional & innovative

**Conversion & manufacturing**

**Usage**

**Waste**

- **End of life… in the environment**

**Plastics lifecycle**

- ✓ Standards
- ✓ Imports trade rules & regulations
- ✓ Policies
- ✓ SWM
- ✓ Reuse/upcycling business models
- ✓ Recycling
- ✓ EPR schemes
CREATING PLASTICS CIRCULARITY

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Producer responsibility

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CREATING PLASTICS CIRCULARITY

Keeping plastic molecules in the economy

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Redesign, Rethink, Remanufacture, Repair

RE-IMAGINE
WHAT IS THE WBG APPROACH?
1. Stop Leakage Multisector

2. Create circular economy

3. Clean Up
Examples of WBG current engagement in (solid and water) waste management, circular economy, reduction of single-use plastics (analytics & advisory, investments, policy reforms)

Active Portfolio SWM USD 1.5 bn
Active Pipeline USD 2+ bn

35 engagements in countries
Advisory Services and Analytics and Technical Assistance
Goal: Reduce marine pollution & contribute to the restoration of coastal and marine ecosystems

Global knowledge products & tools
Country identification & preparation of projects
Investments

Cross-cutting topics (e.g., Gender, climate, MFD)
Looking forward…

overcoming the plastic challenge by enabling an environment to transition to a just circular economy