



**From “Source to Sea”:  
Building marine litter governance and management  
framework in the Northwest Pacific region**

**Lev Neretin, NOWPAP Coordinator**

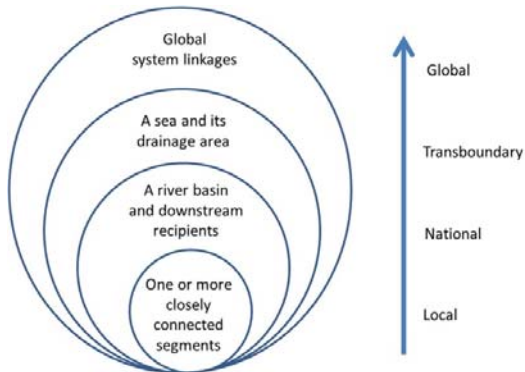
**NOWPAP**  
Northwest Pacific Action Plan

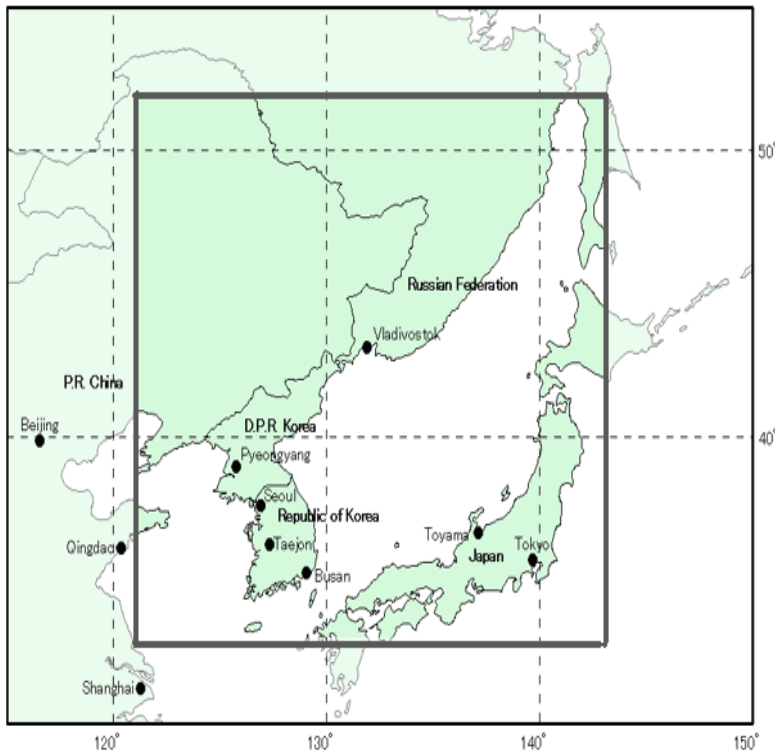
**Regional  
Seas**

**UN**  
environment  
United Nations  
Environment Programme



## Hierarchy of Outcomes in the Source to Sea (S2S) Continuum (after J. Granit et al., 2017)





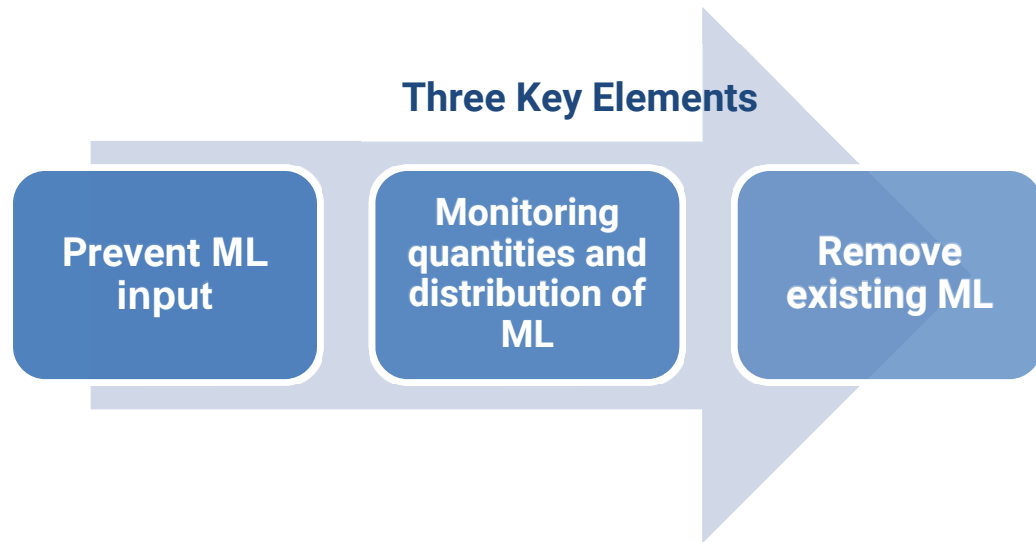
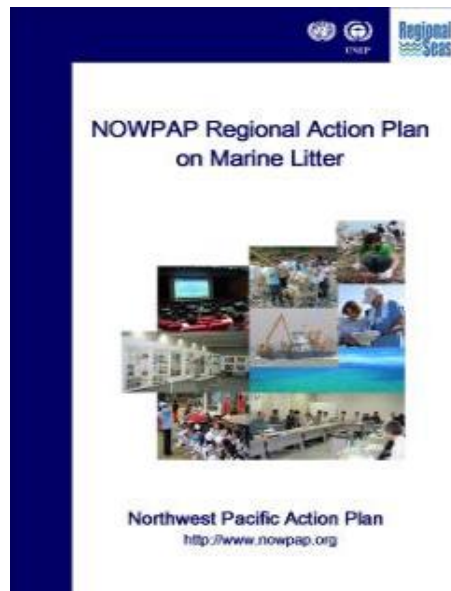
Established in 1994 as an intergovernmental mechanism for the protection and sustainable development of coastal and marine environment in the North Pacific

Member states: Japan, P. R. China, R. Korea, and the Russian Federation

One of the 18 UN Environment Regional Seas Programmes

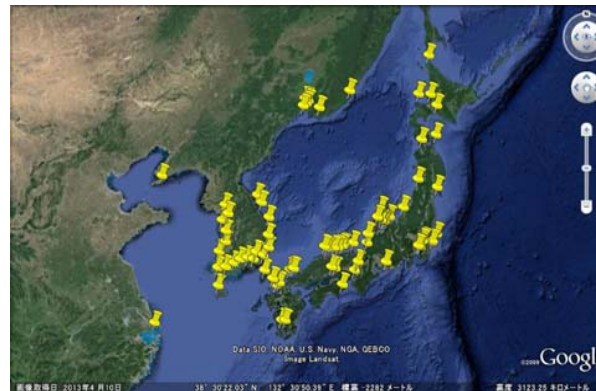
## First Order Outcome: Creating Enabling Conditions

### NOWPAP Regional Action Plan on Marine Litter (2008)



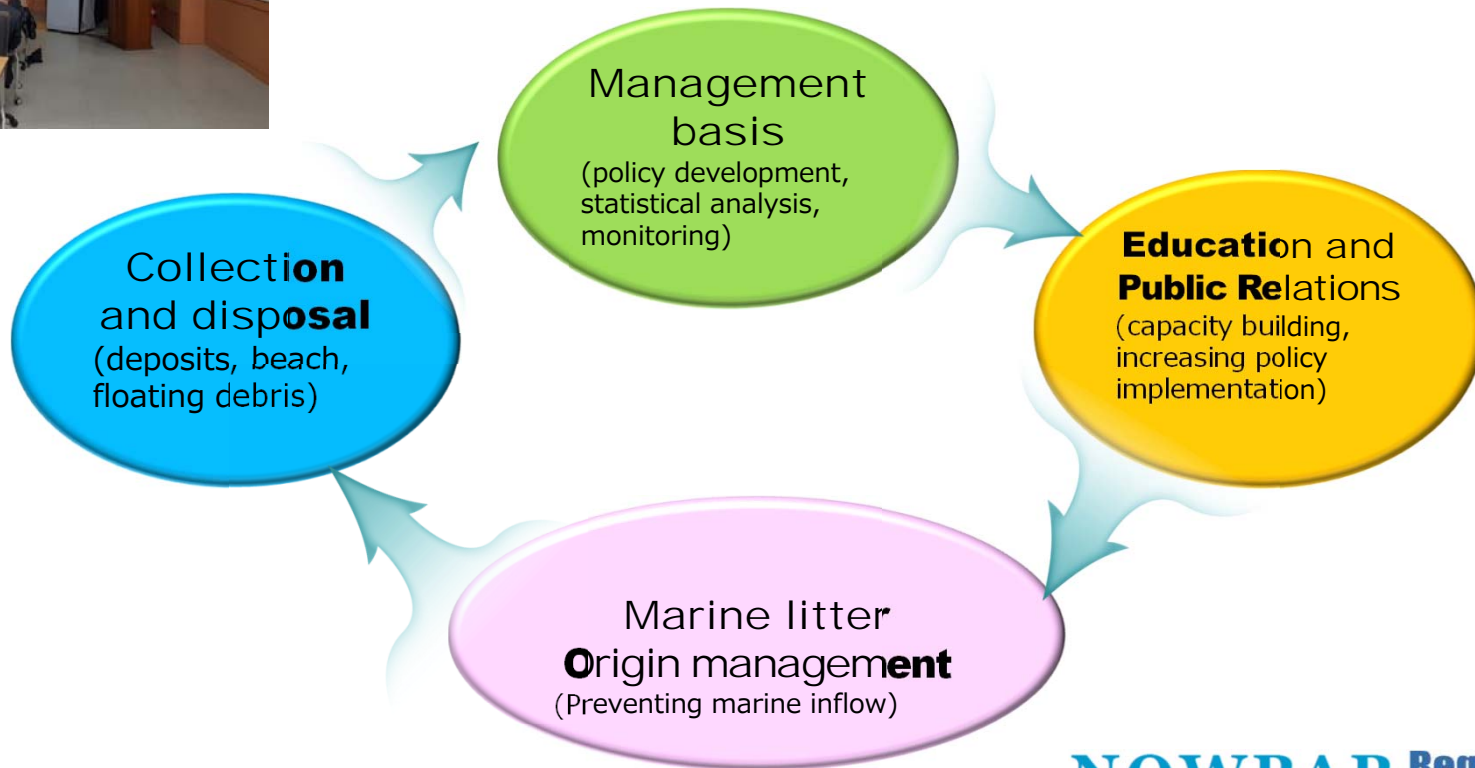


# NOWPAP Progress since 2008





## First Order Outcomes: Creating Enabling Conditions R. Korea Marine Litter Management Plan (2009-2013 and 2014-2018)



**Second Order Outcomes: Behavioral Change**  
**Buy back program for fisherman and Clean Fisheries Communities Program**





## Third and Fourth Order Outcomes: Realizing Green/Blue Growth Opportunities



- The National Strategy for Green Growth (2009-2050) and the Five-Year Plan (2014-2018) of the Republic of Korea

- The Four Major Rivers Restoration Project



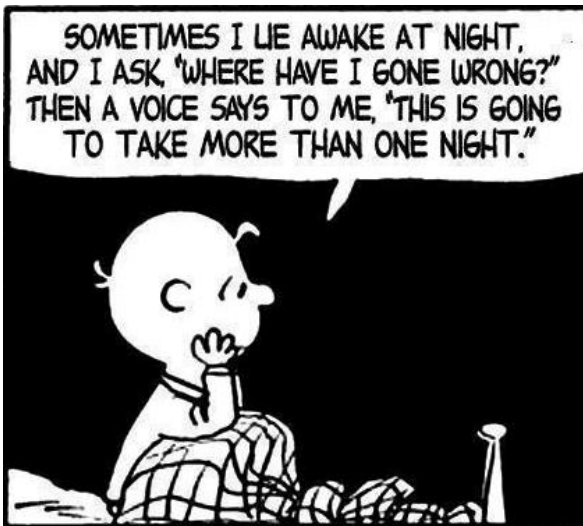
- National “Extended Producer Responsibility” (EPR) system mandates manufacturers and importers recycle certain amount of their products



**LESSONS LEARNED:**  
**Steps to develop successful Marine Litter Action Plan**



## LESSONS LEARNED: In Conclusion



- Only few countries are/were able to address marine litter systemically at the source and at the scale
- Major focus of regional and national action plans remains on data collection, monitoring, removal, and waste management, while prevention measures are insufficient
- Scaling up actions aimed at behavioral change is insufficient
- Action Plans do not integrate principles of plastics circular economy (after-use, reduce leakage, and decoupling)
  - Quantitative targets and indicators