

Global framework to address marine debris, plastic and microplastics

SUMMARY OF THE CURRENT FRAMEWORK AND OPTIONS TO MOVE FORWARD

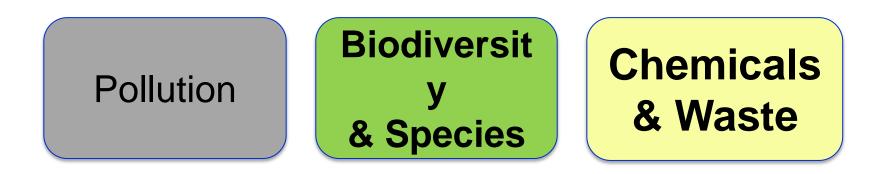


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Dr Karen Raubenheimer | ANCORS, University of Wollongong, Australia Cleaner Pacific Roundtable, 20 August 2018

Relevant global binding agreements

UN Law of the Sea Convention



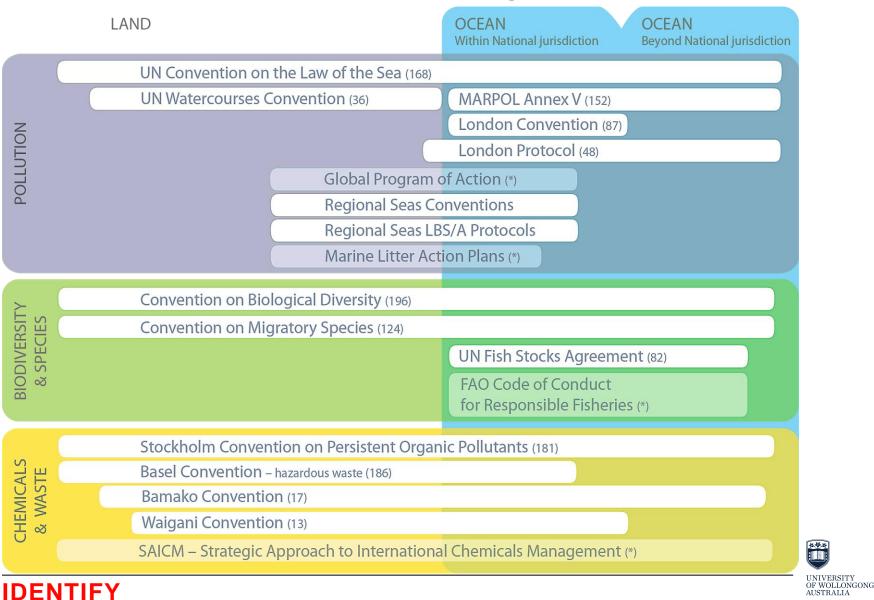
18 international instruments 36 regional instruments

Combating marine plastic litter and microplastics: An assessment of the effectiveness of relevant international, regional and subregional governance strategies and approaches **(UNEP/EA.3/INF/5)**

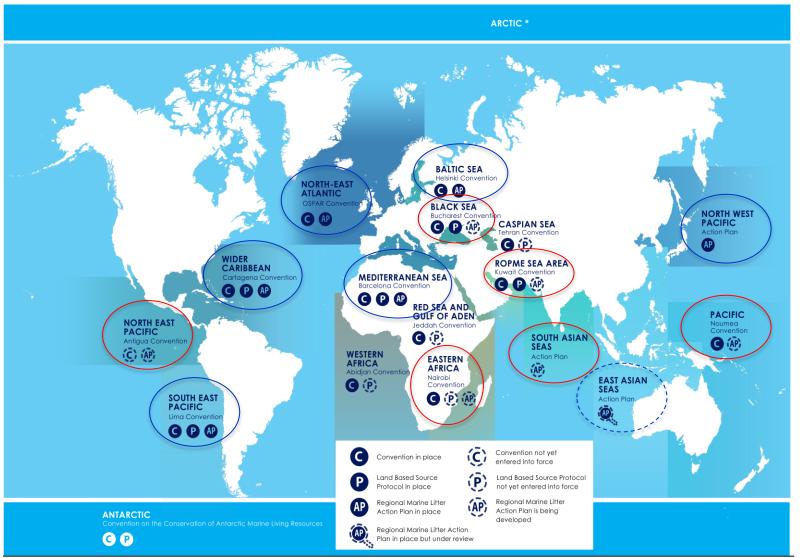




Overview: international & regional instruments



Regional instruments – current status



IDENTIFY



Gaps in the current framework

INTERNATIONAL Scope of application

- UNCLOS addresses activities resulting directly/indirectly to plastics entering the marine environment
- From land, sea and air

Definitions

 Most will cover plastic pollution, but limited within full lifecycle

HUMAN HEALTH, MICROPLASTICS, CHEMICALS

REGIONAL SEAS Geographic gaps

 14/18 have adopted a legal framework

(one not in force)

- 9 of these have adopted LBS/A Protocols (four not in force)
- Not all States are party to the relevant convention or protocol

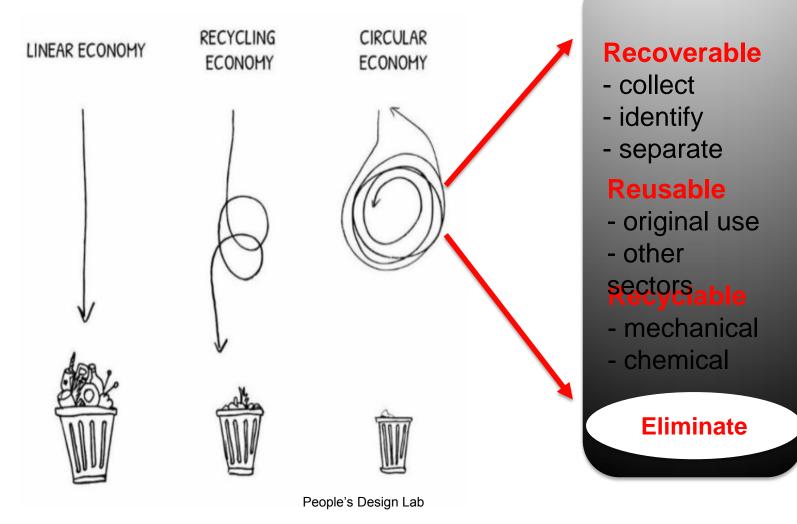
Limitations in mandate

- Protection of human bealth (chemicals)
- Upstream activities



What is the end goal? TOWARDS A CIRCULAR ECONOMY

INNOVATE



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The reality? BARRIERS TO THE CIRCULAR ECONOMY

Only 70% of the U.S. waste stream can be recycled or composted*



EU plastics recycling strategy

- 2030 all plastics packaging to be recyclable
- 2030 55 % all plastics waste generated in Europe to be recycled



INNOVATE

Tackling the issue

1) Unnecessary/problematic applications and materials

- Aim to reduce, eliminate
- Alternate materials

2) Necessary short- and medium-term applications

• Aim to manage

3) Long-term applications

- May have legacy issues
- How to manage in waste stream

4) Non-recyclable applications and materials

- Mechanical recycling into houses, roads, etc.
- Waste-to-Energy (with care)

5) Microplastics

- Aim to reduce, eliminate primary
- Prevent secondary thru design, regulation, lifecycle assessment





INNOVATE

EPR for packaging in Norway New amendment to waste regulation



- Must join approved compliance scheme (traditional)
 - If supply market with min. 1,000kg packaging type / year
 - Finance the collection, sorting, recycling & other processing of waste packaging

- May only place packaging on Norwegian market if:

- Complies with Annex I (Design, reuse, recycling requirements)
- % can be recycled into marketable products in compliance with community standards

- Must prevent waste & report

- Report % change in packaging onto market & decrease in waste generated from previous years







Creating end-markets SUPPORTING THE CIRCULAR ECONOMY

Creating supply

Landfill taxes/bans

- increase diversion
- international trade

Creating demand

Procurement policies

- % recycled content
- Government

Licence fees

- not recyclable
- no recycled content

Recycling targets

- incentivise collection
- investment



IMPLEMENT

Making it a reality POSSIBILITIES AS A REGION

Harmonised national measures

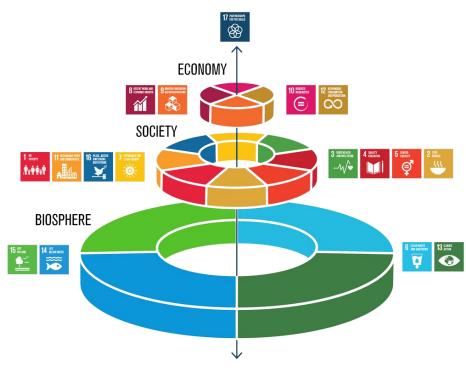
- Regulate manufacture, import & sale of single use plastic products
 - Bans, recycled content, recyclability
 - Prohibit microplastics in personal care products
- Collection
 - Container deposit schemes
 - Reverse logistics
- Raising funds
 - Non-Pacific visitor environmental levy
 - Environment fund based on levies/fees/charges:
 - Visitor levy, license fees for plastics manufacturers, importers, retailers
 - e.g. Taiwan EPA fund <u>http://recycle.epa.gov.tw/</u>





IMPLEMENT

Broadening the scope NOT JUST MARINE ECOSYSTEMS



SDGS – beyond 14.1

- 2.1 : access to safe food
- 3.9 : hazardous chemicals
- 6.3 : water quality, wastewater (MP)
- 8.4 : consumption & production
- 11.6 : air quality, MSW
- 12.4 : lifecycle of chemicals, all waste
- 12.5 : reduce waste generation
- 14.1 : marine pollution
- 14.2 : marine restoration
- 15.5 : biodiversity
- 17.6 : cooperation, knowledge sharing
- 17.9 : capacity building
- 17.16: support SDG achievement



