

Analysing effectiveness of response options pursuant to UNEA Resolution 4/6 paragraph 7(d)

AHEG 4 Virtual Preparatory Meeting, Agenda item 4(d)

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Introduction

- 1. Summary of the methodology
 - a. Identifying response options, barriers and enabling conditions
 - b. Revised methodology
- 2. Findings of analysis



SUMMARY OF THE REVISED METHODOLOGY



Identifying response option archetypes, barriers, enabling conditions

- 1. Submissions from Member States, Scientific Advisory Committee, major groups and stakeholders
- 2. Submissions on potential response options (UNEA Res. 3/7 para. 10(d))
- 3. 2017 UNEP study on effectiveness of governance strategies (UNEP/AHEG/2018/1/INF/3)
- 4. AHEG discussion papers
 - barriers (UNEP/AHEG/2018/1/2)
 - national, regional and international response options (UNEP/AHEG/2018/1/3)
 - environmental, social and economic costs and benefits (UNEP/AHEG/2018/1/4)
 - feasibility and effectiveness of different response options (UNEP/AHEG/2018/1/5)
 - consolidated background paper of the discussion papers (UNEP/AHEG/2018/2/2)



Revised methodology overview

Analysis of measures to address the life cycle

• Discussion of barriers and enabling conditions across the life cycle and post leakage

Analysis of indicators

- Submitted by Member States, major groups & stakeholders
- Analysis relevant existing instruments
- Input, process and performance indicators

Discussion on effectiveness

• Includes key findings from both approaches



FINDINGS OF THE ANALYSIS



1. STRENGTHENED INTERNATIONAL FRAMEWORK

Potential response option - international level

INPUT INDICATORS

- Life cycle phases All
- Environmental zones All
- Geographic range All
- Scale High

- No overarching management target has been set beyond UNEA Res 3/7
- Some operational targets set in existing MEAs
- Not quantitative
- Do not cover all life cycle phases



1. STRENGTHENED INTERNATIONAL FRAMEWORK

Maturity – High

• A number of instruments are well established over many years, broad participation

Feasibility – Medium

- Mostly needed for land-based sources
- Negotiations could be lengthy
- Reporting across instruments challenging

Time frame – Long

 Amendments, implementing agreements, etc may take 5+ years across all instruments

- Could have global impact
- Could address gaps for microplastics and life cycle.
- Encourage upstream preventive measures, including product design standards



2. GLOBAL DESIGN STANDARDS

Potential response option - international level

INPUT INDICATORS

- Life cycle phases All
- Environmental zones All
- Geographic range All
- Scale Med-High

- No management or operational targets exist
- Some industry commitments could serve as operational targets



2. GLOBAL DESIGN STANDARDS

Maturity – Low

• Not well established

Feasibility – Medium

- Not demonstrated
- Some examples for plastics and for addressing other environmental issues

Time frame – Medium to Long

- High level standards can be developed sooner
- Detailed standards may take 5+ years

- If well-constructed
- Could address address most pressures at a global scale



3. A NEW INTERNATIONAL FRAMEWORK

Potential response option - international level

INPUT INDICATORS

- Life cycle phases All
- Environmental zones All
- Geographic range All
- Scale High

- Management target set (UNEA Res 3/7)
- Operational targets across life cycle required



3. A NEW INTERNATIONAL FRAMEWORK

Maturity – Low

• Not well established

Feasibility – Medium

- Not demonstrated
- Some confidence if build on existing MEAs

Time frame – Med-Long

- Voluntary could be less than five years
- Binding could require 3+ years, depending on entry into force

- Could have global impact
- Could address most pressures and barriers



4. STRENGTHENED REGIONAL FRAMEWORK

Potential response option - regional level

INPUT INDICATORS

- Life cycle phases Upstream measures
- Environmental zones Marine, freshwater
- Geographic range Coastal, maritime, some urban
- Scale High

- Some high-level qualitative management targets exist
- Some qualitative operational targets exist
- Not specific to marine litter and microplastics



4. STRENGTHENED REGIONAL FRAMEWORK

Maturity – High

• A number of instruments are well established over many years, broad participation for coastal States

Feasibility – High

- Has been demonstrated
- Greater adoption of protocols for land-based pollution and dumping are possible
- Strengthened by regional nodes in place

Time frame – Long

 Amendments, implementing agreements, etc may take 5+ years across all instruments

- Could have strong impact at regional level
- Strengthened by engaging non-coastal States
- Strengthened by adopting upstream measures specific to marine litter and microplastics



5. REGIONAL MARINE LITTER ACTION PLANS

Existing response option - regional level

INPUT INDICATORS

- Life cycle phases End-of-life, monitoring
- Environmental zones Marine, some freshwater
- Geographic range Coastal, marine, urban
- Scale High

- High-level management targets for marine litter are limited
- Many operational targets inferred, some for microplastics
- Targets in recent RAP-MaLis may be difficult to achieve
- Increased coverage of life cycle phases



5. REGIONAL MARINE LITTER ACTION PLANS

Maturity – High

• A number of instruments are well established over many years, broad participation (2008 – present)

Feasibility – High

- Strongly demonstrated
- Upstream preventive measures need strengthening

Time frame – Long

- Some have no time frame
- Others timelines set for activities and RAP-MALis

- Effective in facilitating national action
- Current focus on end-of-life, monitoring, clean-up
- Can encourage actions that address most pressures and barriers across life cycle



6. NATIONAL MARINE LITTER ACTION PLANS

Existing response option - national level

INPUT INDICATORS

- Life cycle phases End-of-life, some upstream
- Environmental zones Freshwater, marine
- Geographic range Most
- Scale Small

- Limited management targets for overall reduction in marine litter
- Some operational targets set for recycling, reuse and recovery, singleuse plastic, non-biodegradable bags, collection of ALDFG



6. NATIONAL MARINE LITTER ACTION PLANS

Maturity – Medium

• In place since 2009

Feasibility – Medium

- Moderately demonstrated
- Mostly developed countries
- Capacity-building, technology transfer, funding required

Time frame – Medium

- Most have adopted a medium timeframe for implementation (2-5 years)
- Specific dates for particular activities and review

- Can address most national pressures and barriers if integrated across relevant sectors
- Can engage multiple actors across life cycle
- Wider adoption could strengthen impact globally



7. STRENGTHENED SOLID WASTE MANAGEMENT USING REGULATORY AND MARKET-BASED INSTRUMENTS

Existing response option - national level

INPUT INDICATORS

- Life cycle phases All
- Environmental zones Land, freshwater
- Geographic range All terrestrial, coastal
- Scale Small

- Management targets set for overall recycling rates, phasing out
- Some operational targets for specific product return, recycling, refillable.
- Do not cover all life cycle phases or wide range of products
- Can expand to include rate of repair and reuse



7. STRENGTHENED SOLID WASTE MANAGEMENT USING REGULATORY AND MARKET-BASED INSTRUMENTS

Maturity – High

 A number of instruments are well established over many years and across a number of countries

Feasibility – Medium

- Has been demonstrated
- May require strengthened legislation, infrastructure, stakeholder engagement
- Impact assessments are important

Time frame – Medium-Long

- Some require less time, e.g. pay-as-you-throw
- Methods to determine real-time and full costs may be challenging to develop

- Could address many pressures and barriers towards preventing national discharge
- Multiple actors engaged across life cycle
- Wider adoption would improve global impact, particularly where collection rates are low



8. NATIONAL STRATEGY TO PREVENT MICROPLASTICS

Potential response option - national level

INPUT INDICATORS

- Life cycle phases All
- Environmental zones Marine, freshwater (soil, air emerging)
- Geographic range all land, some marine
- Scale Small

- No management targets set
- Some operational targets exist
- Mostly limited to pellets and microbeads



8. NATIONAL STRATEGY TO PREVENT MICROPLASTICS

Maturity – Low

- Not adopted as a holistic strategy
- Some well-established examples for limited range

Feasibility – Medium

- Demonstrated for some products across a number of countries
- Some labelling schemes adopted
- Further use of design standards, labelling and certification schemes needed

Time frame – Medium - Long

- Phase out of some primary microplastics may be achievable in the short term
- Standards, certification schemes may take 5+ years to develop

- Could address pressures and barriers for national microplastic releases across the life cycle
- Wider adoption would increase global impact



Thank you



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