PAME I-2019: Agenda item 9.1 and 9.2
Marine Litter, including Microplastics

9.1 Summary of final draft of the Desktop Study on Marine Litter including Microplastics in the Arctic (Phase I)

9.2 Project plan to develop a marine litter regional action plan (Phase II)
Documents for Agenda items 9.1 and 9.2

Agenda 9.1:
- Final draft of the Desktop Study on Marine Litter including Microplastics in the Arctic (version 7 Jan 2019), 2017-2019: CLEAN and TRACK CHANGES
- ML Desktop Study Section III Tables final draft (Annex II)

Agenda 9.2:
- Project plan, 2019-2021, to develop a marine litter regional action plan (final draft 7 Jan): CLEAN and TRACK CHANGES
### 2017-2019: Phase I

- Desktop study: 2\textsuperscript{nd} draft conducted on Marine litter and Microplastics in the Arctic (submitted); and
- Explore the possibility of developing an outline for a framework on an Arctic regional action plan on marine litter.

### Project leads:

- AIA: Lauren Devine
- Iceland: Helga Jónsdóttir
- Norway: Anja Elisenberg
- Sweden: Jessica Nilsson
- OSPAR: Charlotte Mogensen

Supported by the PAME Secretariat
Glossary

Background

Section I: Rationale, Objectives and Geographic Scope

Section II: Applicable Governance Frameworks
  II.1: Arctic Council efforts to address Marine Litter
  II.2: International Instruments, strategies and Programmes
  II.3: Regional Programmes

Section III: Literature Review
  III.1 Sources and Drivers
  III.2. Pathways and Distribution
  III.3. Interactions with biota and impacts
  III.4. Monitoring and Response

Section IV: Knowledge gaps

Section V: Main findings and next steps

Annexes

(Annex I: Governance Frameworks)

Annex II: Literature review tables

List of References
Findings literature review

- Compilation not formalized before;

- Interactions with biota and the derived ecological and socio-economic impacts in the Arctic is extremely challenging;

- The presence of marine litter connected to human activities occurring within and outside the Arctic region;
Findings cont.

Sea-based sources:
- Fisheries-related activities in terms of number and mass;
- Aquaculture, passenger and goods shipping, and oil and gas exploration activities constitute additional sea-based sources;

Land-based sources
- Coastal litter data points to deficient waste and wastewater management systems in some coastal Arctic communities;
- The proportion of marine litter arriving from distant sources is difficult to gauge against the local sources.
Timeline and milestones
Desktop Study on Marine Litter including Microplastics in the Arctic

Oct.–Dec. 2018
• Update and revise

Dec. 2018
• Final desktop study distributed in advance of the PAME I-2019.

Feb. 2019
• Approval at PAME I-2019 (Phase I and II)

Mar. 2019
• Approval by SAOs

May 2019
• Approval by Ministers
Agenda 9.2: Phase II-Marine Litter in the Arctic

Regional Action Plan on Marine Litter in the Arctic

Phase II (2019-2021):

- Develop a first version of a Regional Action Plan on marine litter in the Arctic based on the Desktop Study on Marine Litter (Phase I);

- Continue the development of outreach and communication material;

- Confirmation on co-leads.
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<thead>
<tr>
<th>2017-2019</th>
<th>Progress to date Phase I and II</th>
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<tbody>
<tr>
<td>20 Nov</td>
<td>Online literature submissions categorized based on the Arctic Marine Litter Literature Submission Template Form</td>
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<tr>
<td>18 Apr</td>
<td>Zero draft sent out with comments due 30 April</td>
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<tr>
<td>15 May</td>
<td>1&lt;sup&gt;st&lt;/sup&gt; draft sent out, including Tables for Section III and separate document on response to comments on zero draft</td>
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<td>4-5 June</td>
<td>ML Workshop, discussions based on the 1&lt;sup&gt;st&lt;/sup&gt; draft ML Desktop Study</td>
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<td>16 July</td>
<td>Revised 1&lt;sup&gt;st&lt;/sup&gt; draft sent out with comments due 15 August</td>
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<tr>
<td>20 Sep</td>
<td>2&lt;sup&gt;nd&lt;/sup&gt; draft for PAME II-2018</td>
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<td>30 Nov</td>
<td>3&lt;sup&gt;rd&lt;/sup&gt; draft sent out for comments due 21 December</td>
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<tr>
<td>11 Jan</td>
<td>Final draft for PAME I-2019</td>
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<tr>
<td>12 Feb</td>
<td>Final submission to the SAO meeting 13-14 March</td>
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Thank you!