

Implementation of the essential-use concept within REACH Restriction process

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Background

In the Montreal Protocol, a use is essential only if (A) it is necessary for the health and safety, or is critical for the functioning, of society; and (B) there are no available safer, technically and economically feasible alternatives.

The EU Chemicals Strategy for Sustainability stipulates

Analysis of the Restriction processes under REACH following the READ approach as defined by Dalglish et al. (2020).

Methods

Reading the material	Extraction and Analysis of the data	Distilling the findings
	Reasons for derogations, separated	
SEAC final opinions	into four categories:	How do the current

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implementation of the essential-use concept under REACH to

guide phase-out of the most harmful substances.

Aims of the study

To determine (1) whether the existing restriction process refers to elements of the essential-use concept; and (2) whether process changes are necessary to implement the concept in the decision-making under REACH.

- and the European Commission's final decisions of existing restrictions
- Function needed for health & safety, or functioning, of society;
 No alternatives;
- Time needed for transition;

Others.

regulatory outcomes match the essentialuse concept?

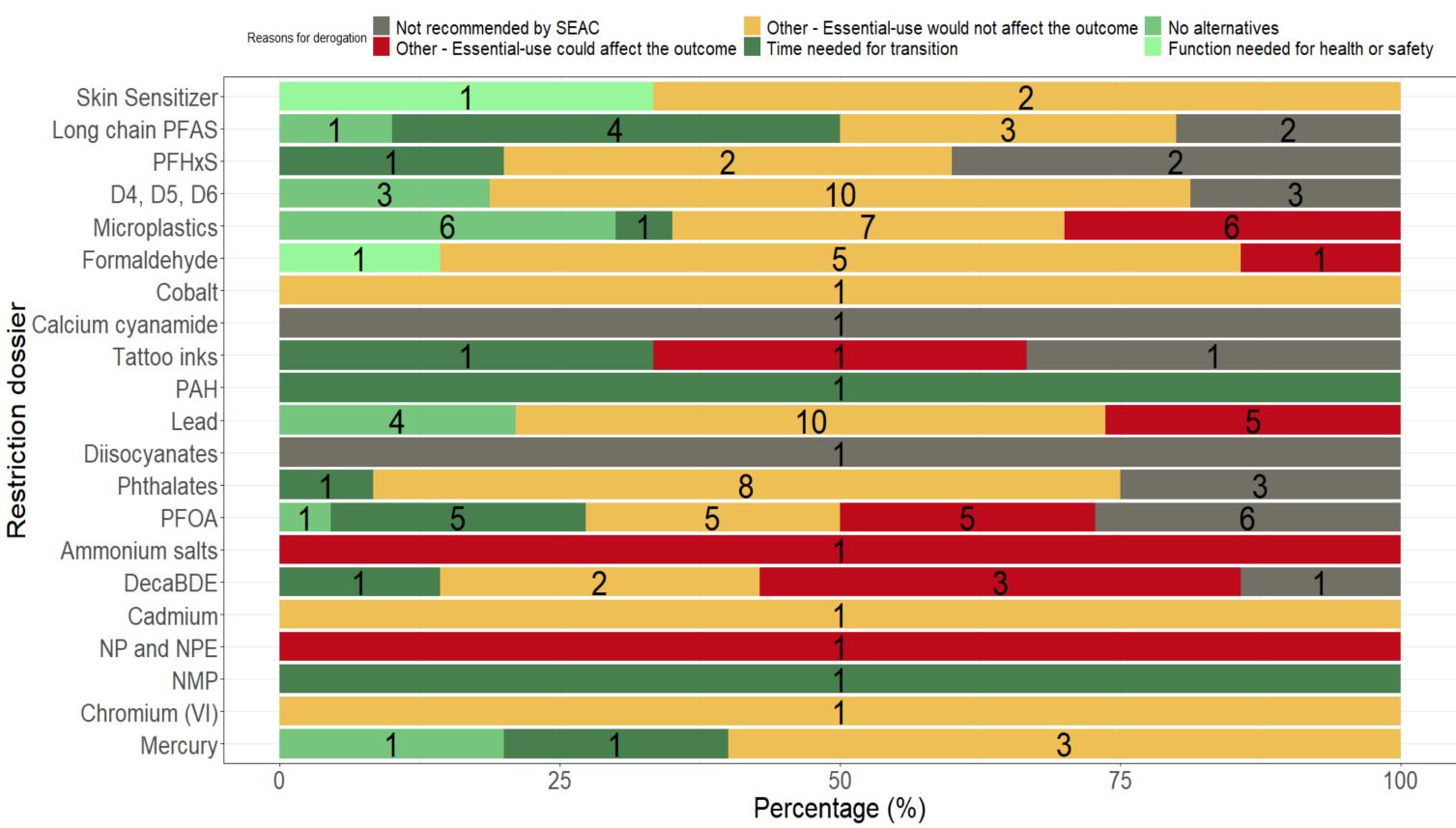
CASE STUDY

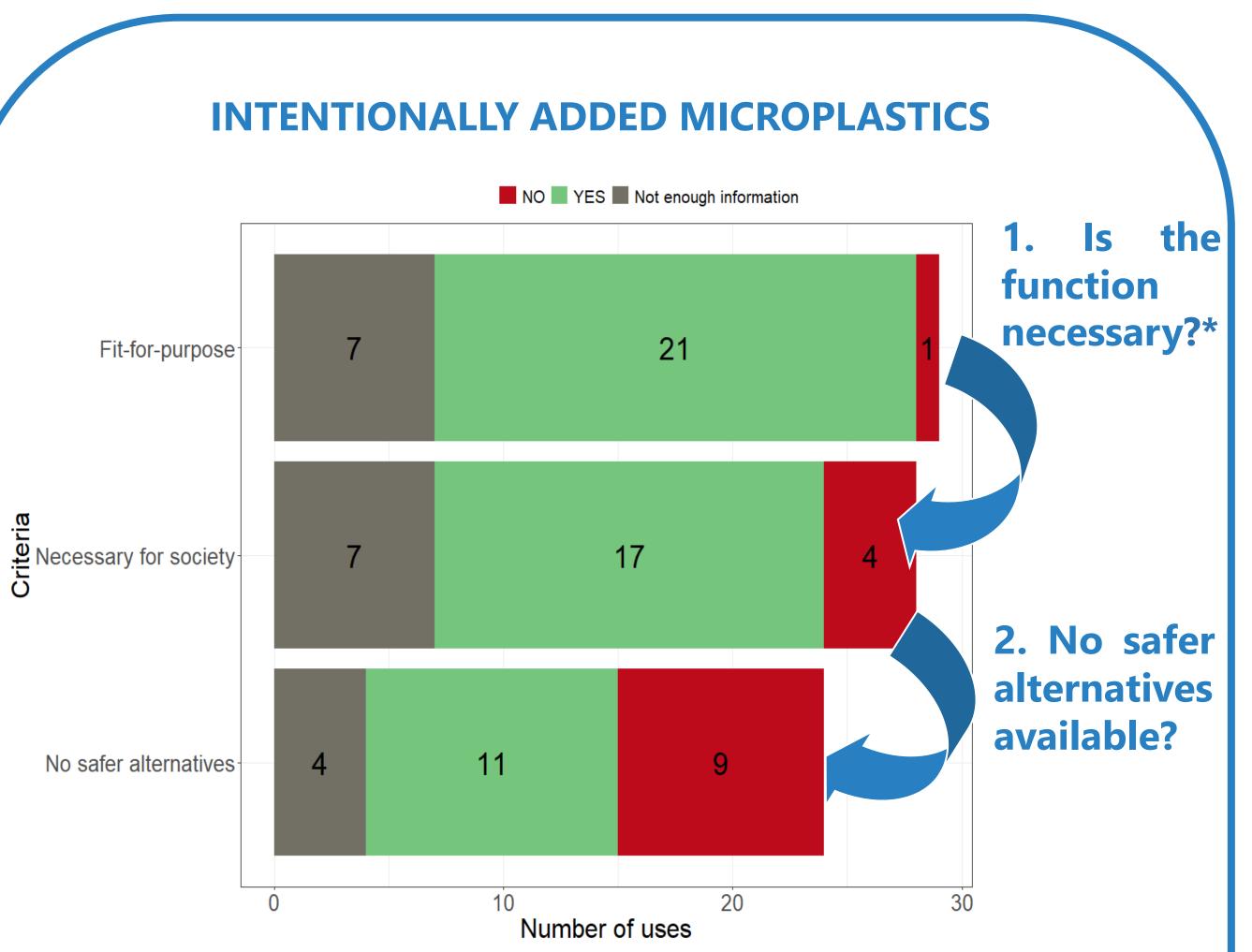
Concrete application of the essential-use concept in the restriction of intentionally added microplastics to decide on proposed derogations.

Results

Reasons for granting a derogation in existing REACH restrictions

The numbers indicate the number of derogations granted in each "reason for derogation" category per restriction dossier.





- Derogations refer mainly to the "alternative" component of the concept, while the "necessity" component was mentioned only twice.
- Category "Others" divided into two sub-categories:
 - derogations granted for reasons for which the essential-use concept would not affect the regulatory outcome, i.e., because the use already regulated, the use being out of scope, restriction not enforceable for the specific use, or substance found as impurities in the specific use;

*: Is the function necessary for health and safety, and/or is critical for the functioning, of society according to the criteria from WSP (2023)?

- 11 uses of microplastics out of 29 can be considered as essential
- → Enough information available for essentiality assessment.
- Safety of potential alternatives barely addressed in the restriction dossier.

Lessons-learnt

derogations granted for reasons for which the essential-use
 concept could affect the outcome, i.e., because negligible risk

from the use, or the restriction costs outweigh the benefits.

- The concept could have **changed** ~20% of the derogations.
- No major changes in the REACH Restriction process are needed to implement the essential-use concept.
- Previous decisions on derogations have been mainly based on the availability of alternatives.
- The essential-use concept can bring a new perspective in decisionmaking.

References: Cousins et al. (2021), DOI: 10.1039/D1EM00180A; Dalglish et al. (2020), DOI: 10.1093/heapol/czaa064; EU (2020), https://ec.europa.eu/environment/pdf/chemicals/2020/10/Strategy.pdf; WSP (2023), https://op.europa.eu/s/yAZM



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