

**INTRODUCTION**

The pollution of marine ecosystems with plastic debris is both a global and a local problem with potentially severe consequences for wildlife, economic activity and human health.

It is a problem that originates in countries' inability to adequately manage the growing flow of waste in general, and plastic, in particular.

**OBJECTIVE**

We aim at producing a tool box for policy choice that is suitable to different countries.

Policy makers should identify their country's situation in the impact pathway, which will in turn open a menu of suitable policy instruments at their disposal.

Better policies should bring the world closer to efficiently reducing marine plastic debris at the source.

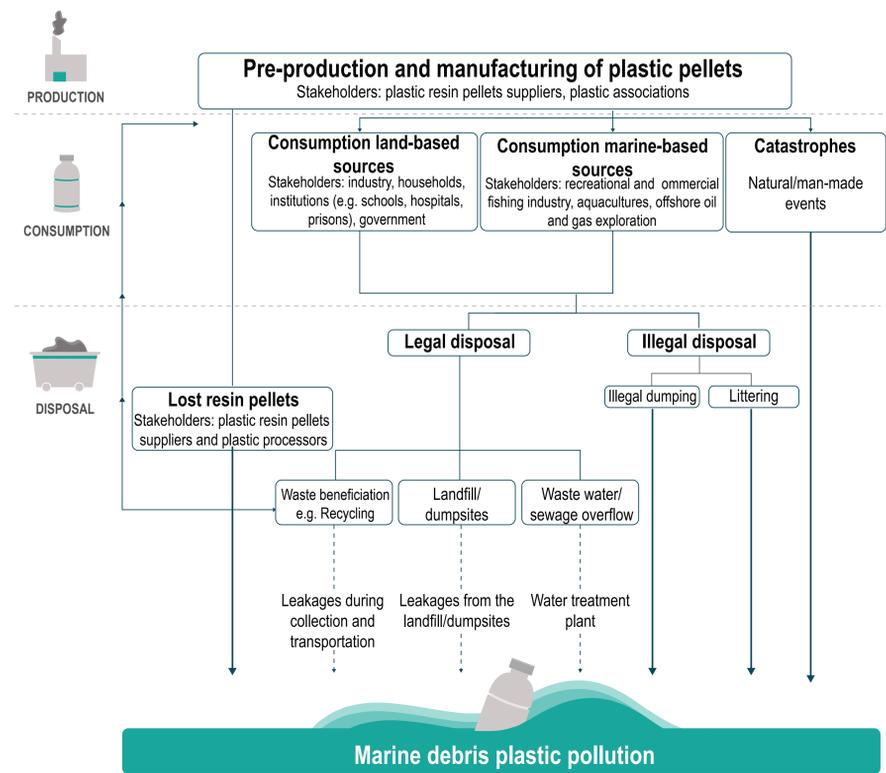
**METHODOLOGY**

We use an impact pathway framework to trace the flow of plastics through the socio-ecological system, and identify the role of specific policy instruments in achieving behavioral changes in favor of reduced marine plastic debris.

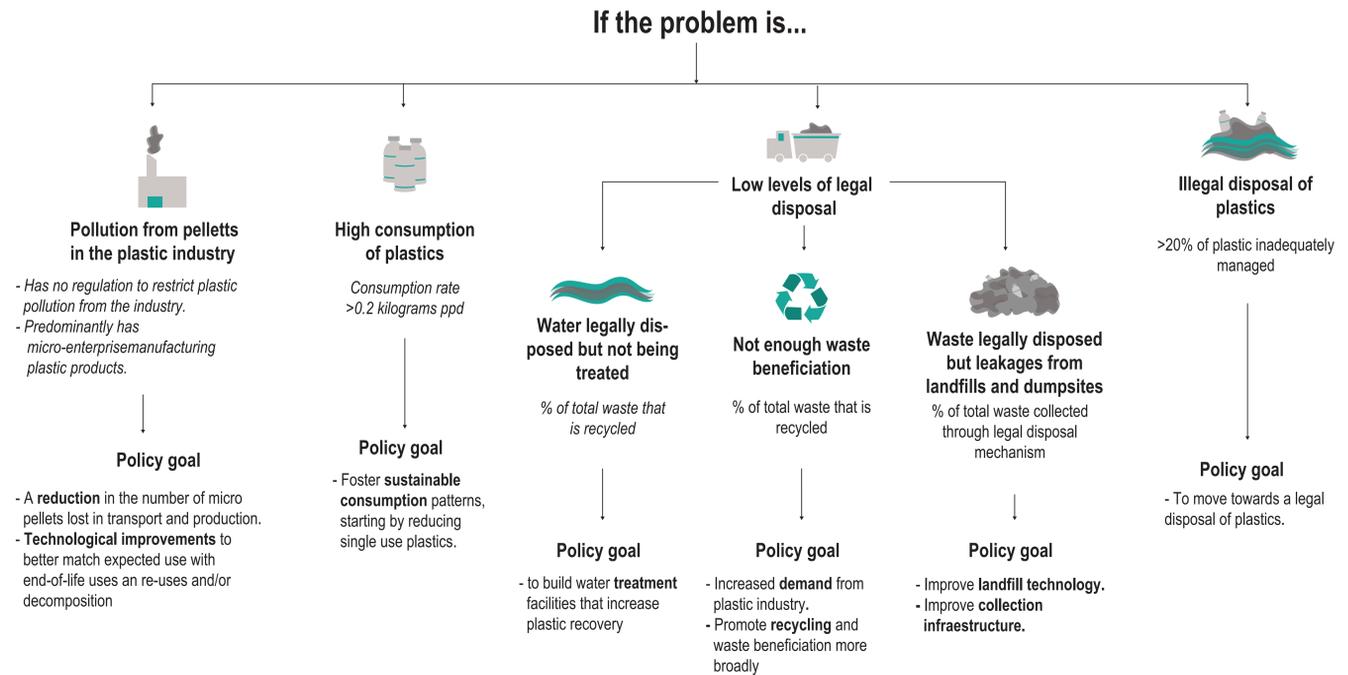
We then use this framework to make country specific recommendations that reflect the reality of solid waste management in each of the countries selected as examples.

**RESULTS**

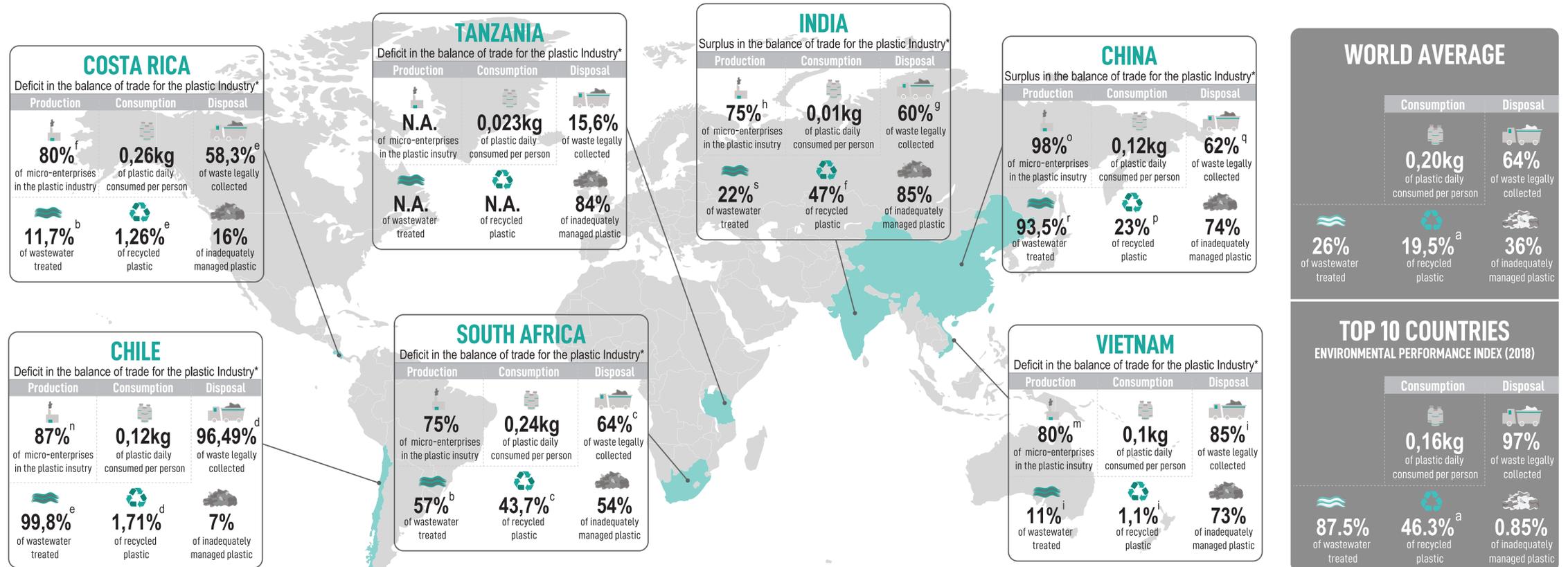
**IMPACT PATHWAY OF PLASTIC**



**SETTING POLICY GOALS TO REDUCE MARINE PLASTIC POLLUTION**



**THE COUNTRIES**



\* Country data for 2018. Trade Balance = Total Value of Exports - Total Value of Imports; a trade surplus occurs when the result of the calculation is positive, a trade deficit occurs when the result of the calculation is negative. N.A. = not available. Sources: a. Jambeck et al. (2015), b. UNdata (2018), c. Plastics South Africa (2017), d. SUBDERE 2018, Tello Espinoza et al. 2010, e. SUBDERE (2018; Tello Espinoza et al. 2010), f. BFP (2011), g. Chatmin and Gailtocher (2009), h. FICCI (2017), i. MONRE (2018), j. Lower-middle income countries average 64% (Kaza et al. 2018), k. OECD (2019), l. Kaza et al. (2018), m. IVI (2019), n. Sii (2016), o. NBS (2018), p. NDRCC (2014), q. Guojun (2015), r. Ministry of Environmental Protection of the People's Republic of China (2017), s. CSE (2014).

