



## Shaping action and measures to address marine plastic pollution in the WIO Region



Nairobi Convention 2021 Science to Policy Platform Meeting  
24.3.2021 | Peter Manyara

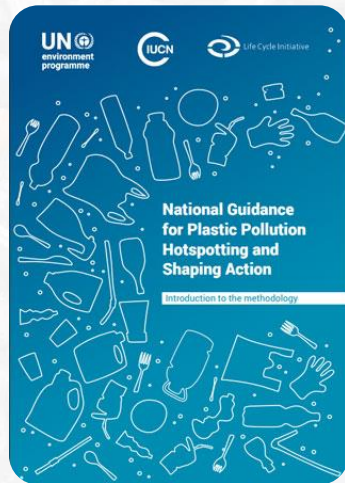
# [1] Background



- Decision CP.9/3. ‘**Management of marine litter and municipal wastewater in the Western Indian Ocean**’
  - regional strategy on the management of marine litter and microplastics;
  - marine litter regional technical working group;
  - responsive and action-oriented capacity-building programmes;
  - action programmes for outreach and public awareness;
  - phase out of microbeads in the region;
  - exchange of expertise, best practice and lessons



# [2] Hotspotting assessment on plastic flows and leakages into the WIO Region



URL: <https://www.iucn.org/theme/marine-and-polar/our-work/close-plastic-tap-programme/marplasticcs/knowledge-products>



## Scope of assessment within the WIO area



- Countries covered in assessment:
  - Kenya
  - Tanzania
  - Mozambique
  - South Africa
- Combined coastlines: ~8,000kms
- >65 million people within 10kms
- >US\$ 340 billion blue economy assets (> US\$ 20 billion annually)
- >4 million tons/year fish catch



# The plastics hotspotting methodology



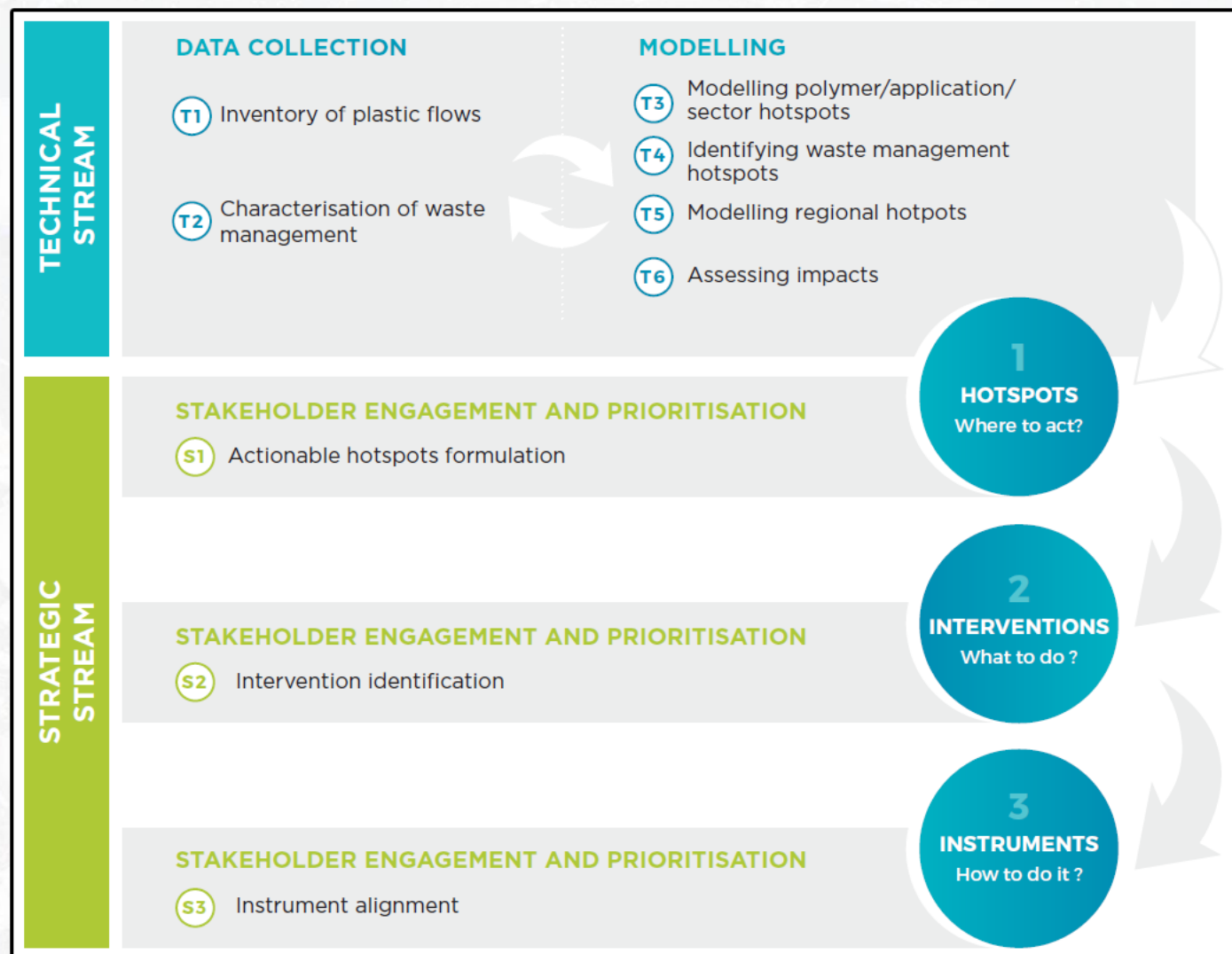
Life Cycle Initiative

The project is being implemented with the technical expertise of Quantis and EA – Shaping Environmental Action

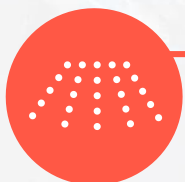
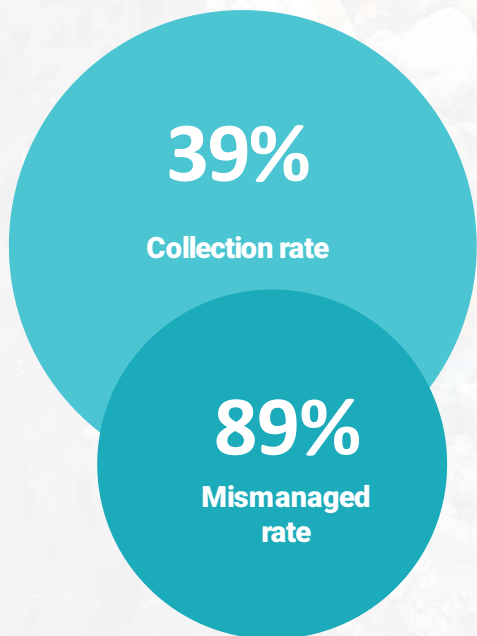
Quantis



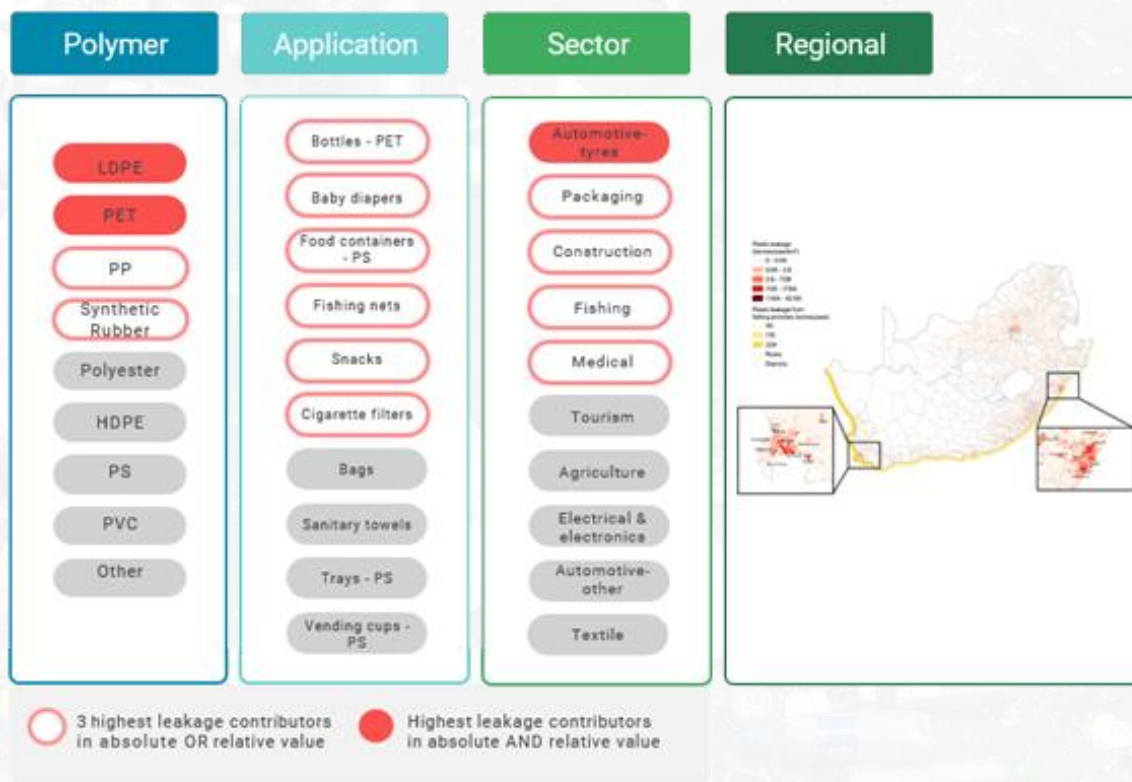
URL: <https://plastichotspotting.lifecycleinitiative.org/>



# [3] Hotspotting assessment: Key results



**190 Kt** Leakage | **1 Kg** Per capita leakage



\* Overview based on four countries within the WIO region



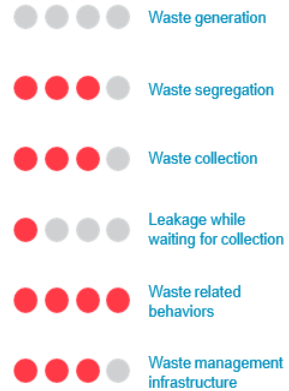
# Which plastics are leaking in the WIO region, and why?

## Kenya Plastic Pollution Hotspots

Most critical polymers

- PP
- PET
- Polyester
- LDPE
- Synthetic Rubber
- HDPE
- PS
- PVC

Number of hotspots per waste management stage



4  
Cities

responsible for 40% of the country leakage

## Mozambique Plastic Pollution Hotspots

Most critical Polymers

- PET
- LDPE
- PP
- Synthetic Rubber
- Polyester
- HDPE
- PS
- PVC
- Other

Number of hotspots per waste management stage



7  
out of 128  
Districts

responsible for 50% of the plastic leakage

## South Africa Plastic Pollution Hotspots

Most critical polymers

- LDPE
- PET
- PP
- Synthetic rubber
- Polyester
- HDPE
- PS
- PVC
- Other

Number of hotspots per waste management stage



2  
out of 9  
Provinces

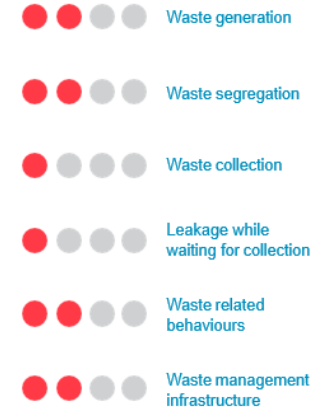
responsible for 50% of the plastic leakage

## Tanzania Plastic Pollution Hotspots

Most critical Polymers

- PET
- PP
- HDPE
- Synthetic Rubber
- LDPE
- Polyester
- PS
- PVC

Number of hotspots per waste management stage

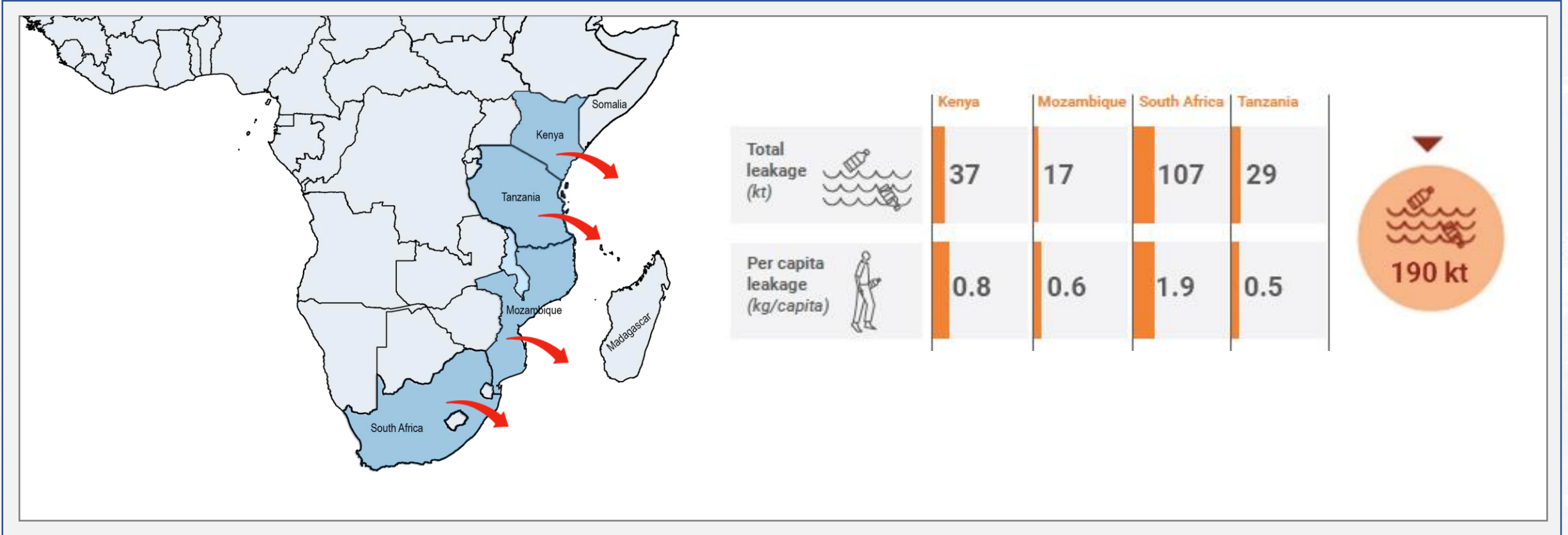


Dar es Salaam

is responsible for 71% of the plastic leakage

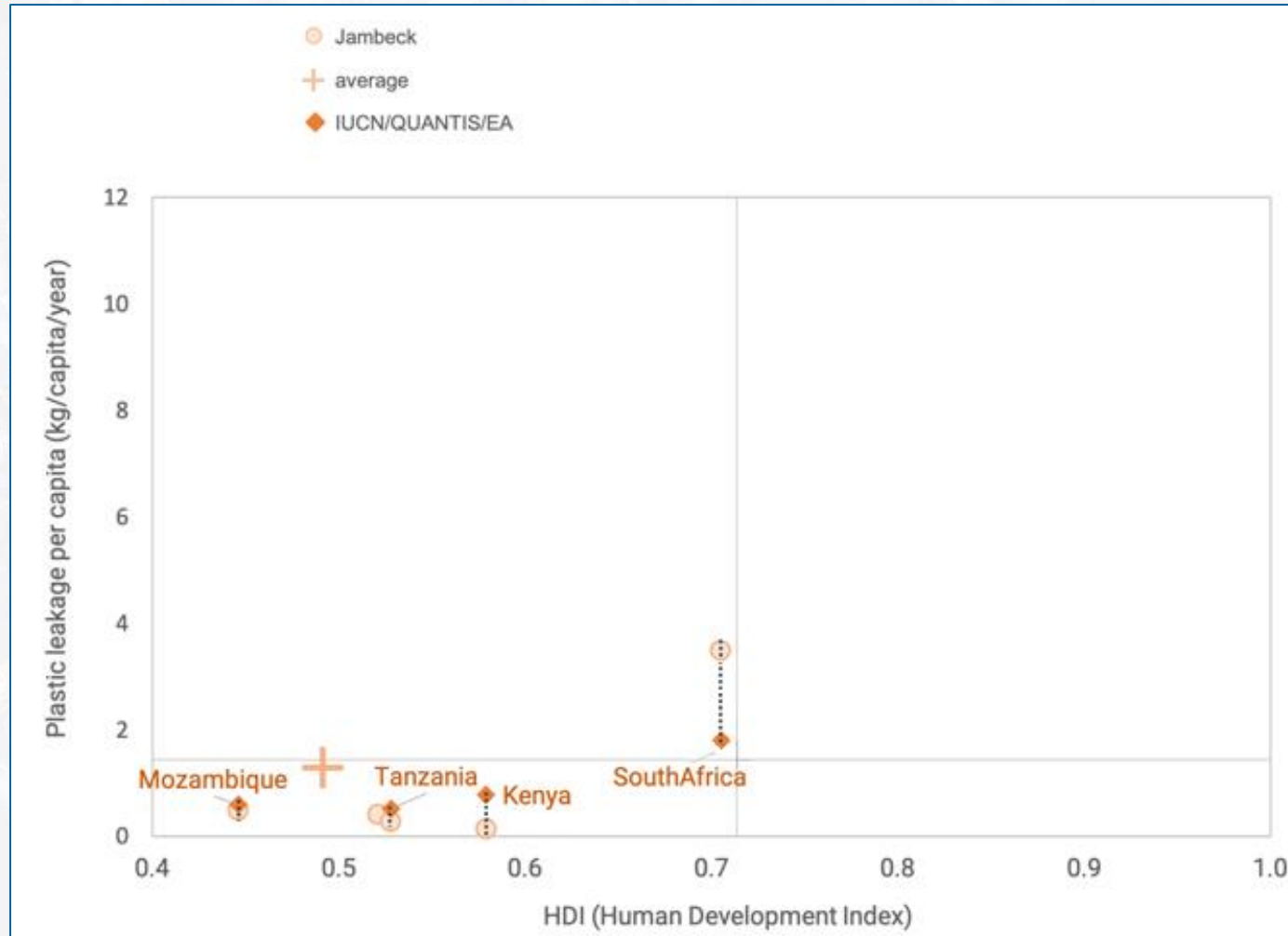


# How much plastic is leaking in the WIO region?





## How much plastic is leaking in the WIO region?



### HDI

Life Expectancy



Education Index



Income Index (GNI)





**Which household bought what?**





# [5] Recommendations



strengthen plastic recycling capacity, lessen the burden of entry and scaling, and adherence to established norms, standards, and licensing requirements



implement measures that discourage production and import of plastic objects that can't be recycled in the country



strengthen tools, capacities and knowledge of municipalities and local government





scale measures to address widespread littering and open burning of plastics



develop and support measures that increase the value of after-use plastics; and redesign of products and materials




Increase funding to scale measures for plastic waste recovery and circular economy.






THANK  
YOU

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 [www.iucn.org/theme/marine-and-polar/our-work/close-plastic-tap-programme](http://www.iucn.org/theme/marine-and-polar/our-work/close-plastic-tap-programme)

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