

**DEVELOPING A SOLID POLICY
FRAMEWORK FOR PLASTIC
POLLUTION AND WASTE
MANAGEMENT IN THE ARCTIC
THROUGH MULTI STAKEHOLDER
CO-CREATION - IMPLICATIONS FOR
NATIONAL AND INTERNATIONAL
POLICYMAKERS AND INDIGENOUS
GROUPS**



Background

- Founder & Chairman of the Decentralized Solutions Global Network
 - Designing through research, innovation, advocacy and education of thriving decentralized communities of energy & agriculture
- Policy Lead at YES Europe
 - Powering young energy policymakers with skills and mobilization campaigns (recent one with EU Commissioner on Gender)

Ecosystem facilitator

- Technical advisor and serial entrepreneur at URANO Capital
- Raising capital and creating financial vehicles to maximize efficient investment in deeptech and blockchain for sustainable development in LATAM, South Europe, Central Asia



Energy policy and geopolitical
risk researcher

Sources and Impacts are endless

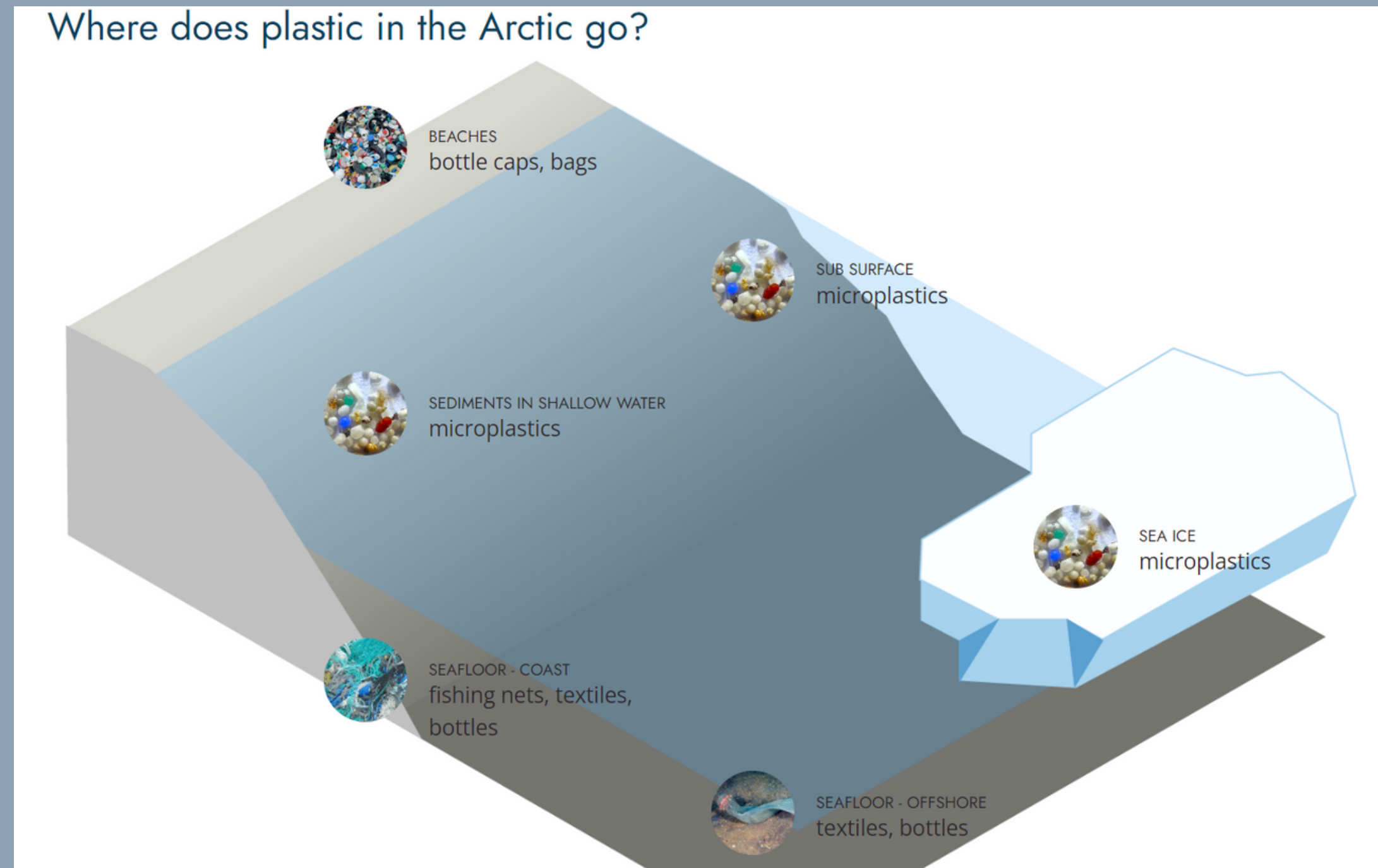
Sources:

- Fisheries
- Transport/Shipping
- Solid waste/wastewater management

Marine Tourism

Impact:

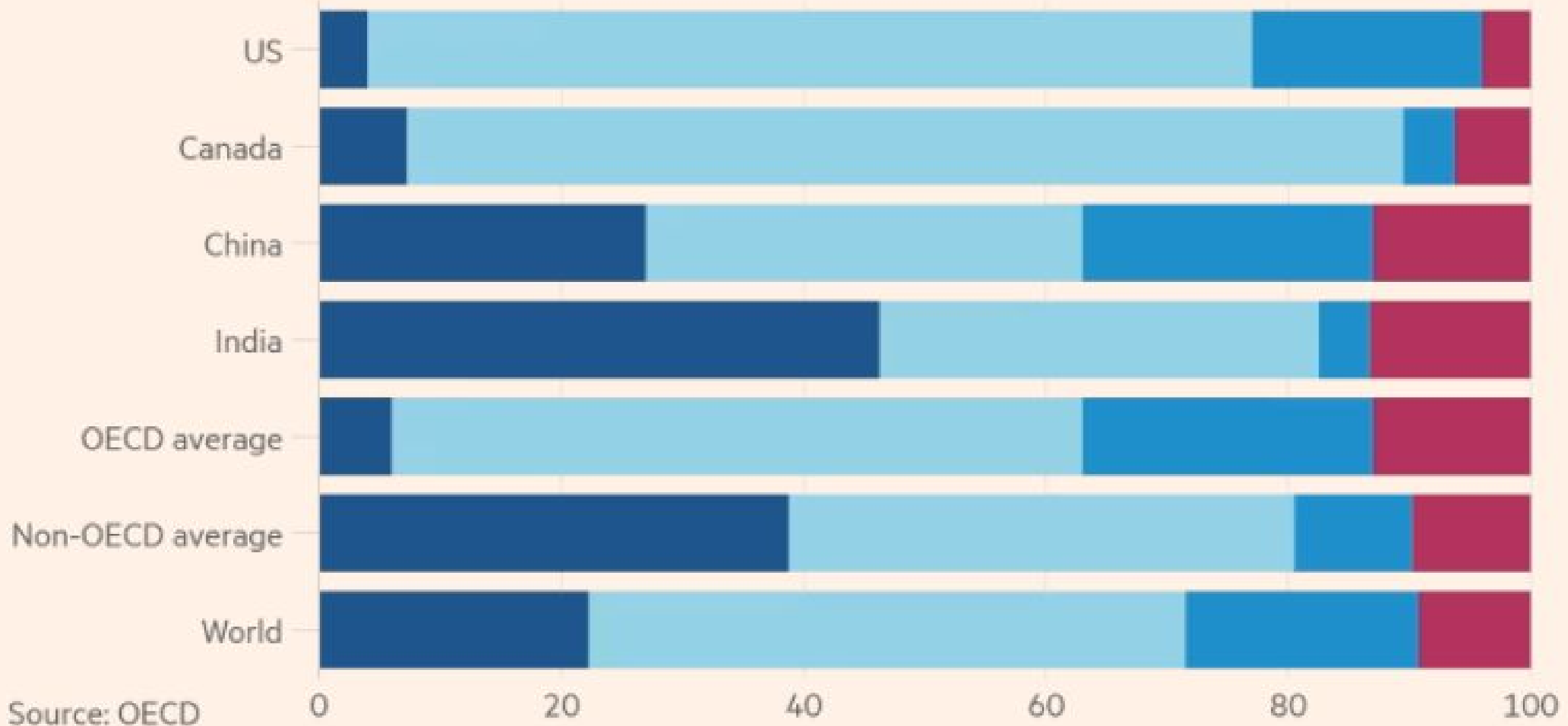
- Biodiversity
- Society
- Economy



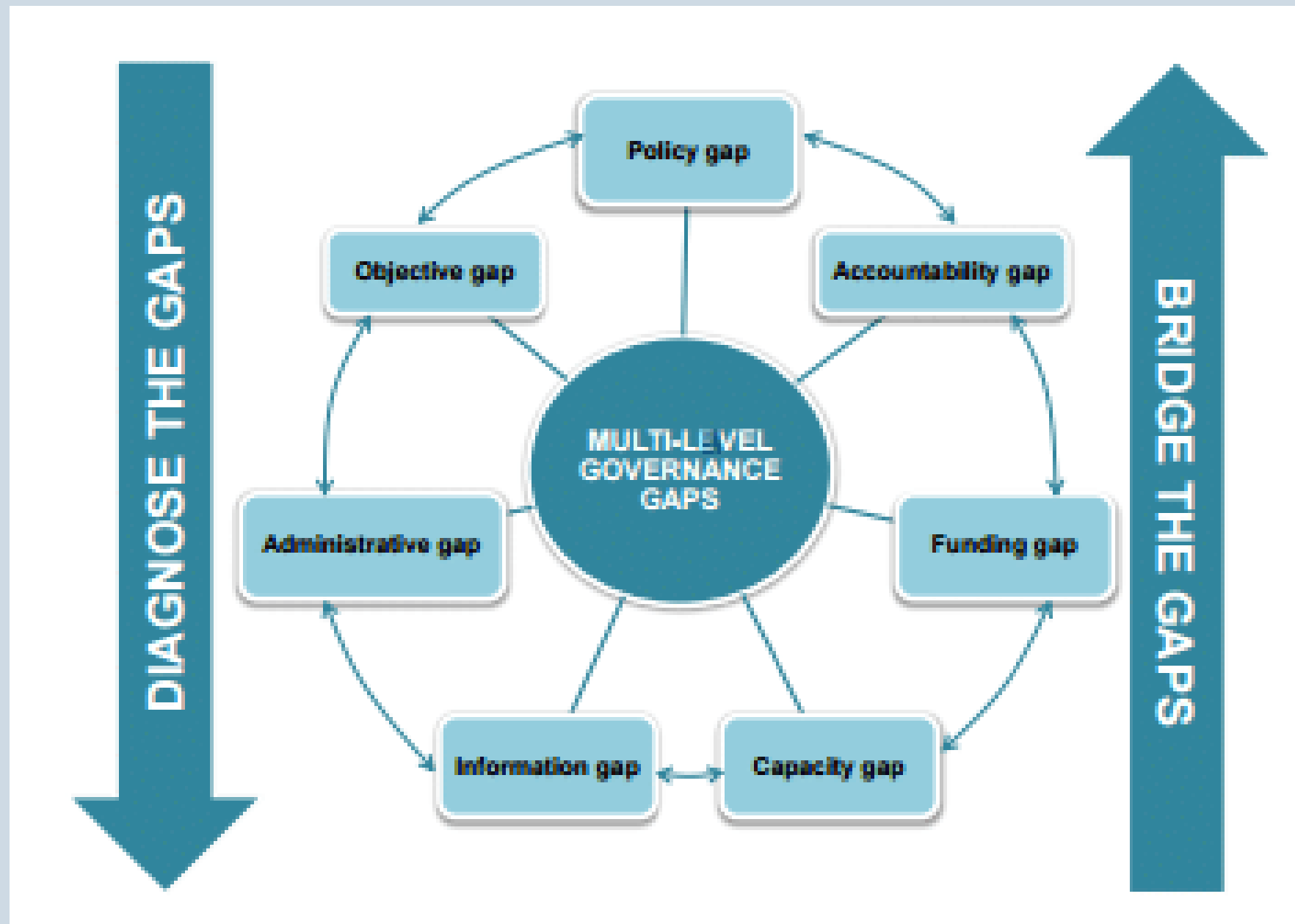
Less than 10% of global plastic waste is recycled

Share of plastics treated by waste management category, 2019

- Mismanaged and uncollected litter
- Landfilled
- Incinerated
- Recycled



Source: OECD
© FT



Multi-level Governance

- Several overarching institutions
- Need for a clear structure for coordination
- Arctic Council can function as an Umbrella Organization
- Knowledge and data sharing between region-specific organizations and data
 - Arctic Wildland Fire Sharing Circle
- Focus also on regions/cities cooperation (e.g World Winter Cities Association of Mayors)

Tracking Plastics

Data Collection

- Regional cooperation is key priority

Living labs

- Satellite Imagery

Data Analysis

- Modeling & Simulation

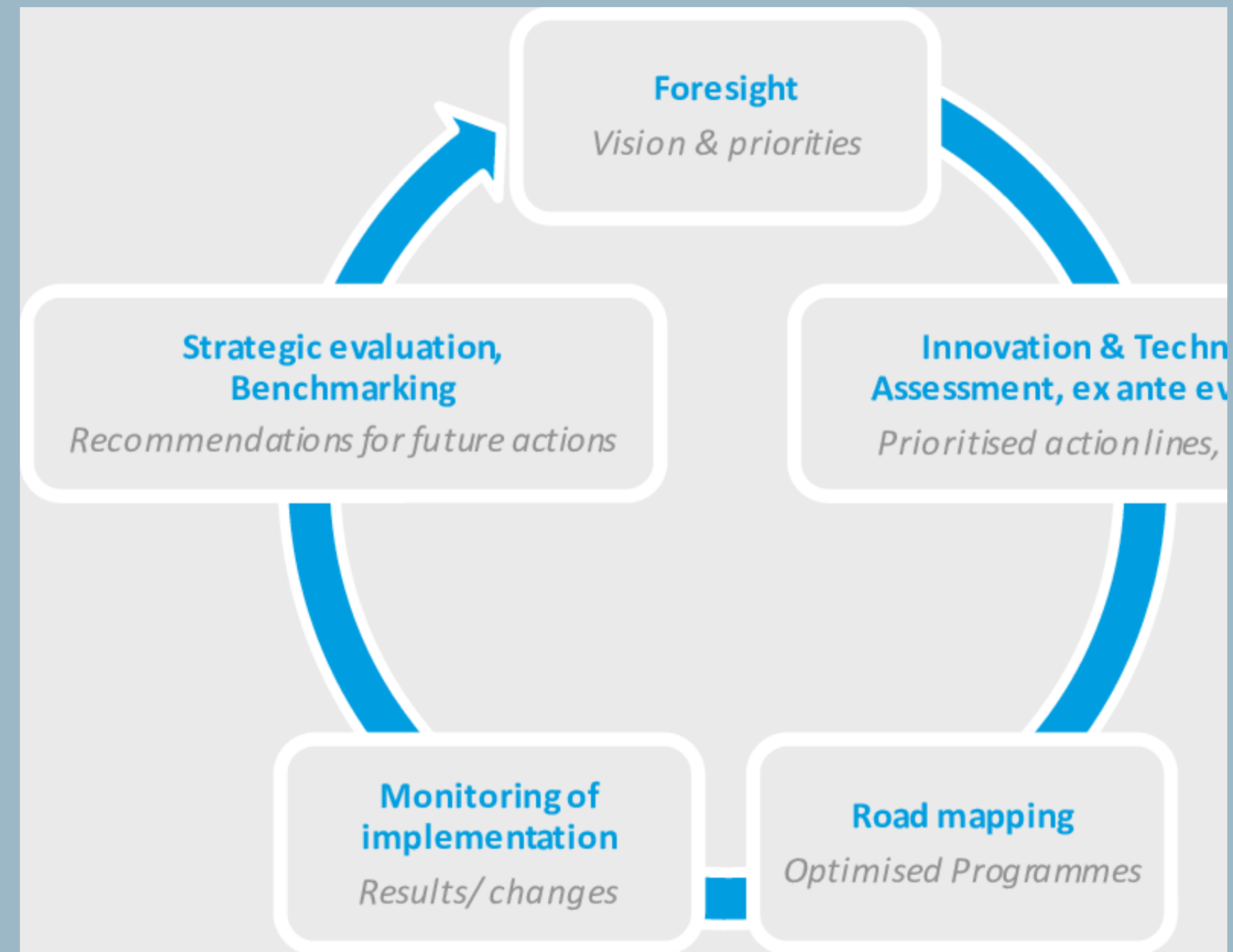
Incentivizing

- Web 3.0 (Blockchain)
- Novel way of providing “Plastic Credits”
- Framework needed



Strategic Policy Intelligence Needed

- Proactive Instead of Reactive
- Assessment of biodiversity threats and economic risks
- Informing decision-making in:
 - Policy
 - Finance



Inclusive Policymaking

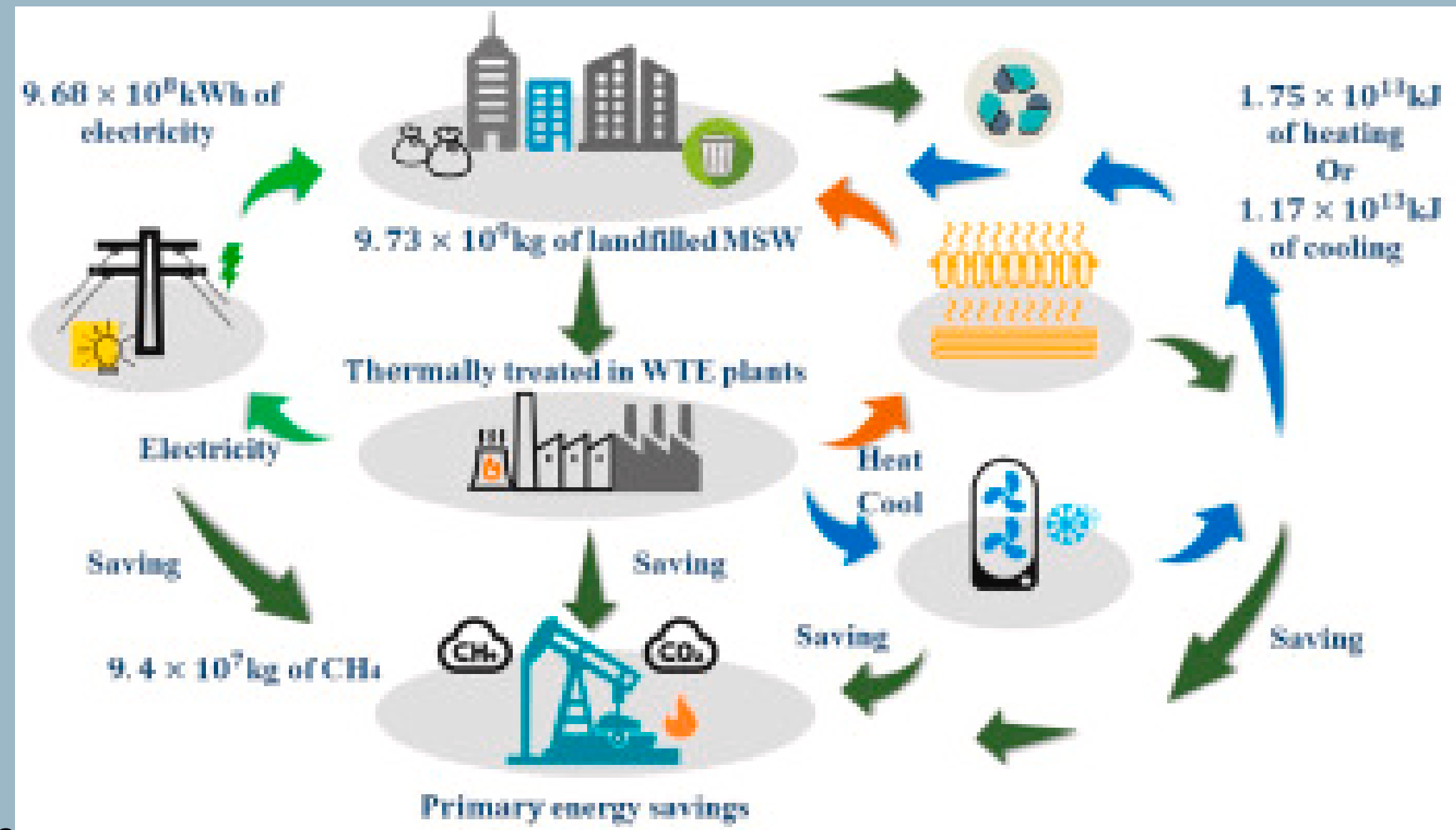


- Implementation of inclusive frameworks throughout the policymaking pipeline\
- World Cafe Methodology
 - All stakeholders in problem definition, solution, policy and roadmap to implement
- Stakeholder Avatar Co-Design
 - Seperate sessions with representatives of each stakeholder group
 - Gathering of all stakeholder groups for cross-collaboration and sharing of insights

Waste management

Support for business models in:

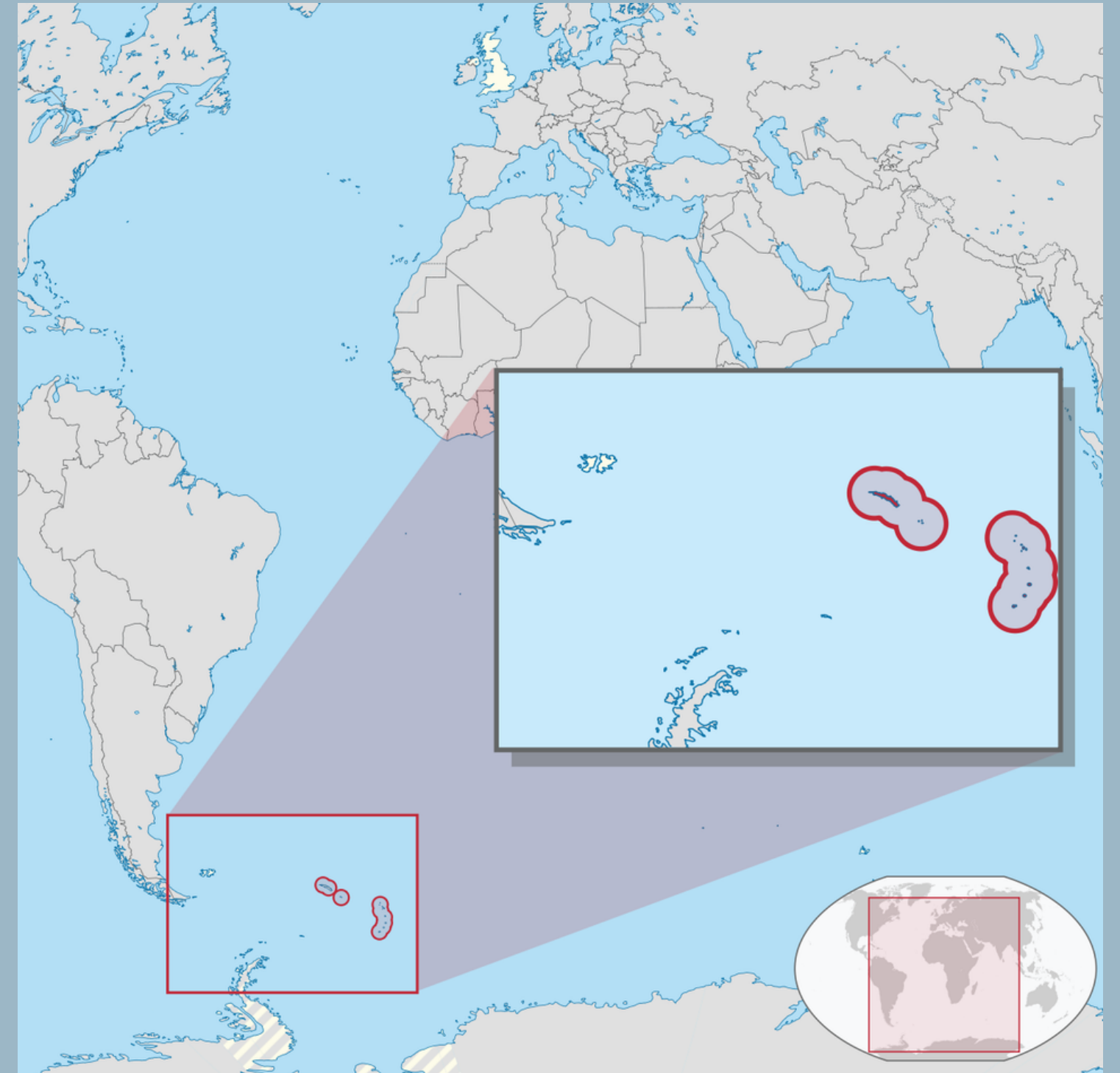
- Repurposing
- Waste-to-X
 - Energy
 - Biostimulants
 - Platform Chemicals
- For that, green finance is important
 - DeFi
 - Green Bonds
 - Regulatory framework for sophisticated finance vehicles



Best Practices

South Georgia & South Sandwich Islands

- Strong messaging from governments and acceptance from industry
- Antarctic Treaty clear guidelines for plastics, accepted by all stakeholders



Best practice sharing

There are many differences between the two Poles:

- Number of Indigenous Peoples
 - Number of Stakeholders in General
 - Industries operating
 - Biodiversity
- Best practices are not copy paste!
- Recommendation for a cross circumpolar discussion on plastics and waste management, many different potential formats between regions and/or in general

Thank you!