

# Chemicals, Waste and Air Quality

Programme Performance Reporting  
January – June 2018



**Sound management of chemicals and waste and improved air quality for a cleaner environment and better health for all**

# Overview of presentation

## Medium Term Strategy 2018-2021

- 2030 vision aligned to Sustainable Development Goals
- Overall strategic direction

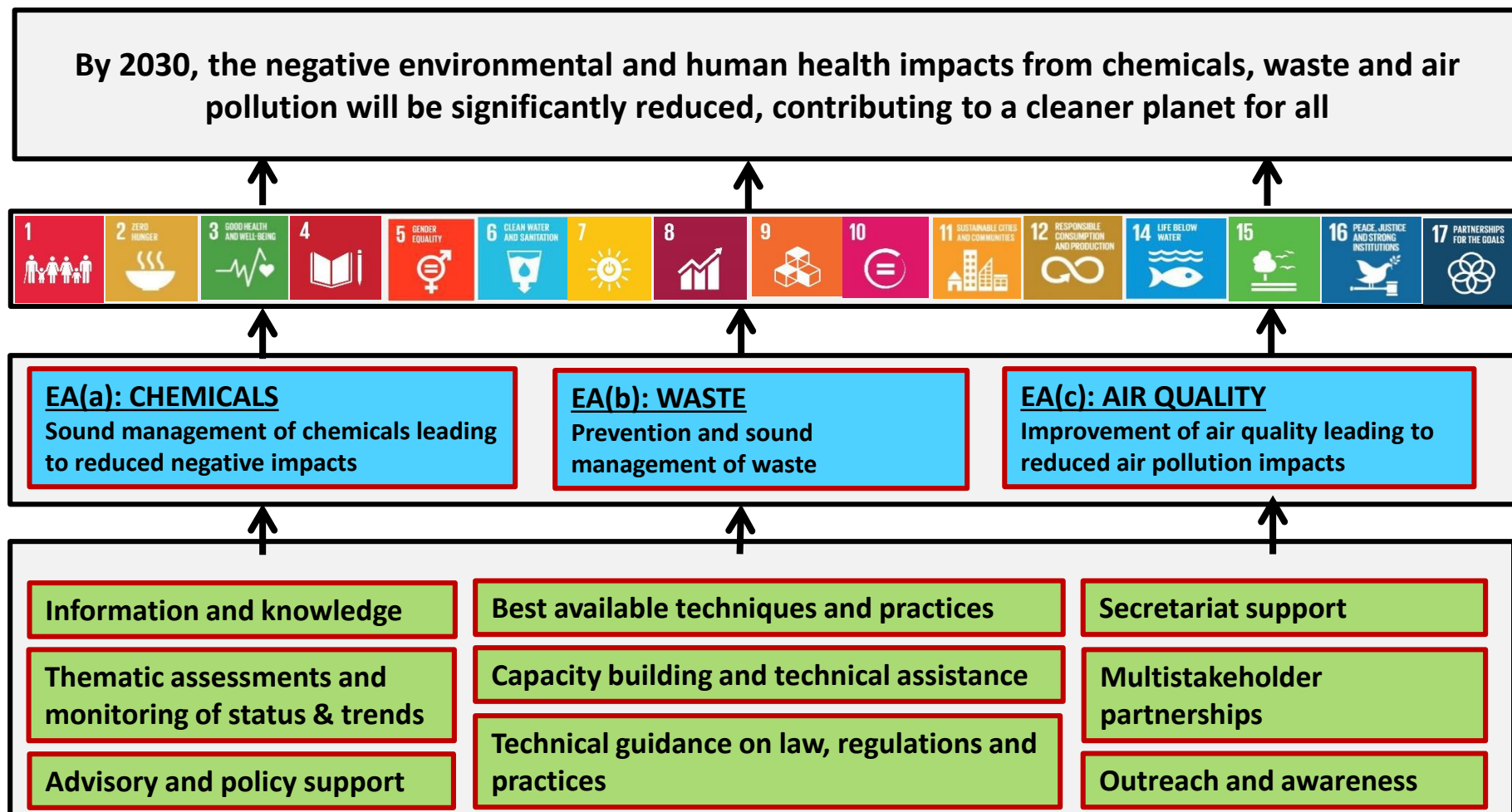
## Programme of Work 2018-2019

First biennial plan -  
6 month performance

## Programme of Work 2020-2021

Second biennial plan -  
revisions design

# Chemicals, Waste and Air Quality sub-programme

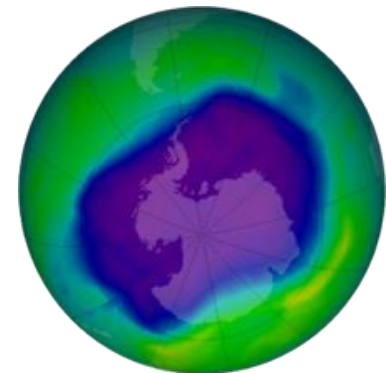


# Chemicals management policies, strategies, legislation or action plans being put in place



*implemented through governments, private sector and civil society*

- Strategic Approach on International Chemicals Management (SAICM)
  - Emerging policy issues identified
  - Shaping the future beyond 2020
  - US\$8.19 million Global Environment Facility project approved
- Lead: phasing out in lead in paint
  - Three more countries with lead paint legislation
- Special Programme: Country-driven institutional strengthening
  - 24 countries supported to date
  - US\$24 million resources raised
- Multilateral Environment Agreements: Ratifications and support
  - Minamata Convention on Mercury: 9 more ratifications
  - Kigali Amendment: 16 more ratifications
  - OzonAction: 147 developing countries supported
- Chemicals Industry: Enhanced engagement



# Chemicals management policies, strategies, legislation or action plans being put in place

*strengthening the science-policy interface*



- Health and environment: assessments of knowledge and risks
  - Anti-microbial resistance
  - Impacts of fertilizers and pesticides, and ways of minimizing them
  - Persistent Organic Pollutants: levels monitored in air, water and human milk in 42 countries
- Global Chemicals Outlook II: being finalized
  - Up to date assessment of chemicals trends and developments
  - Chemicals management and analysis
  - Policy options and achieving Sustainable Development Goals

→ To be presented at the 4<sup>th</sup> UN Environment Assembly
- Sustainable Chemistry: innovative solutions





## SAICM Emerging Policy Issues



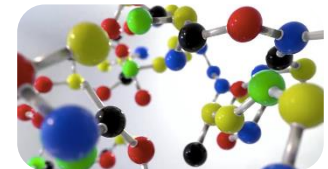
Lead in paint



Chemicals  
in products



Endocrine-disrupting  
chemicals



Nanotechnology



Highly hazardous  
pesticides



Hazardous  
electronics

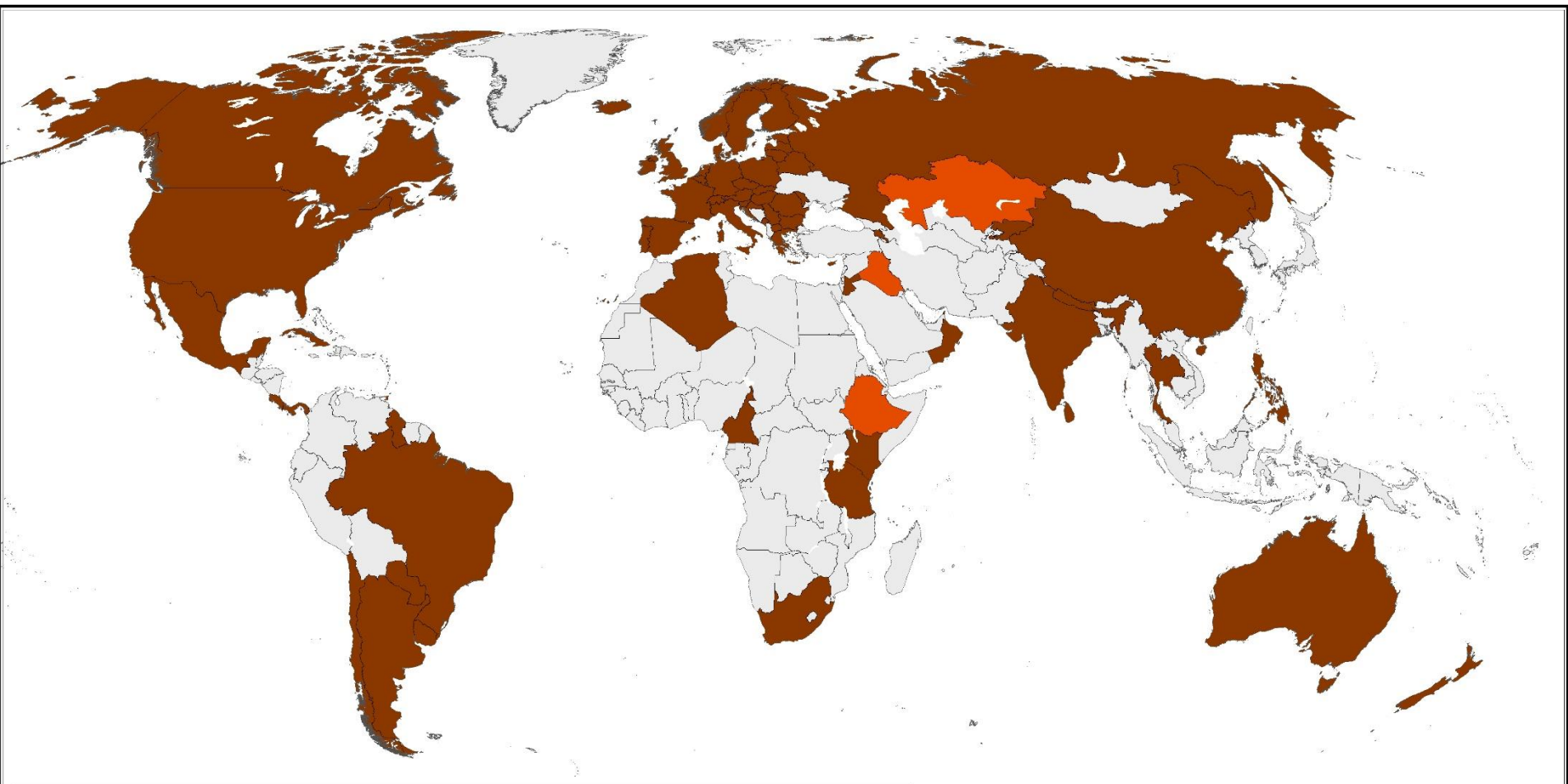


Pharmaceutical  
pollutants



Perfluorinated  
chemicals

# Phasing Out Lead in Paint



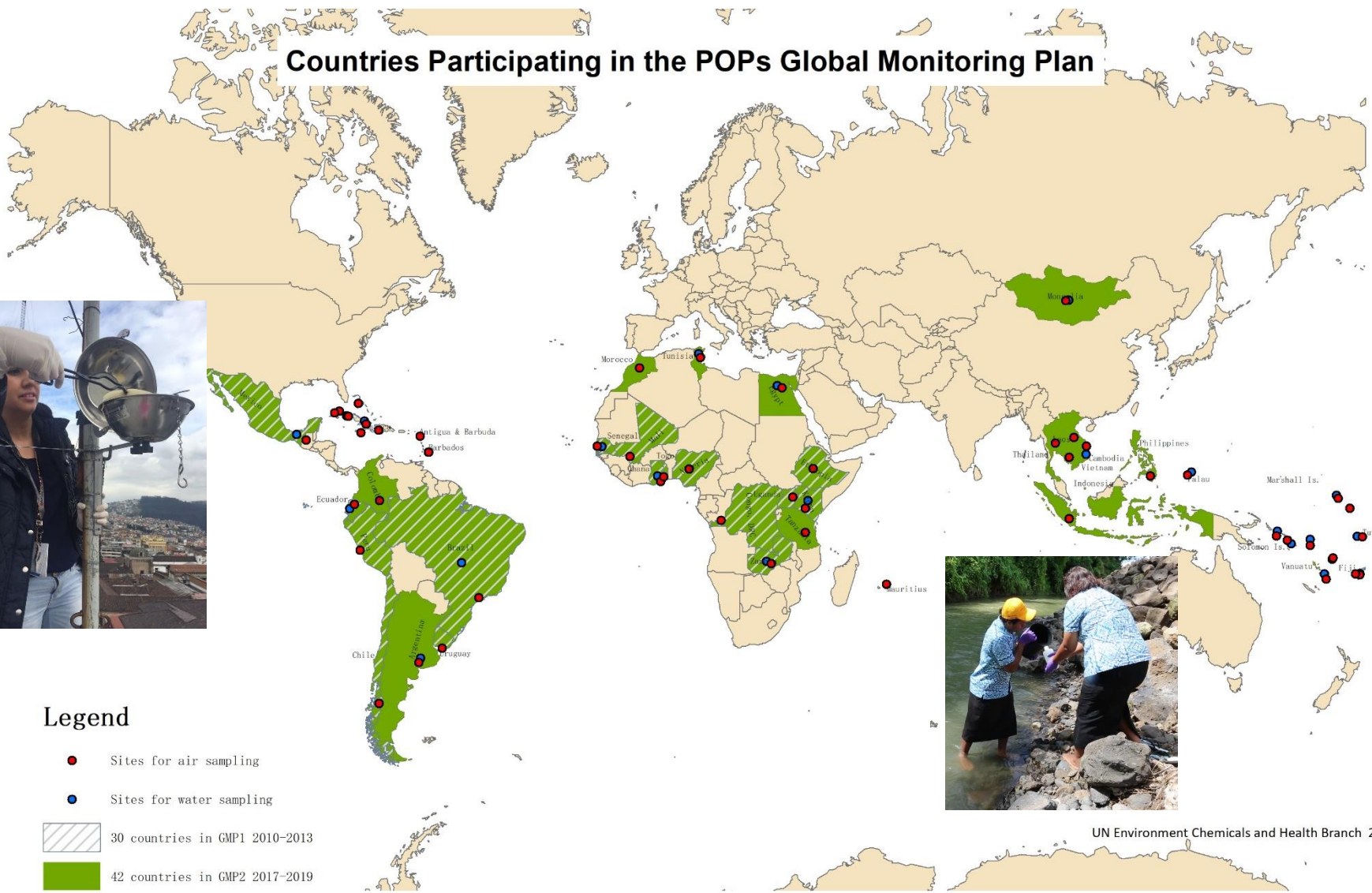
Countries with limits, controls, regulation or legislation for lead in decorative paint as a result of UN Environment Programme contribution

- Dark brown: Baseline as at the end of the 2016-2017 biennium
- Orange: January to June 2018



# POPs Global Monitoring Plan

**Countries Participating in the POPs Global Monitoring Plan**



## Legend

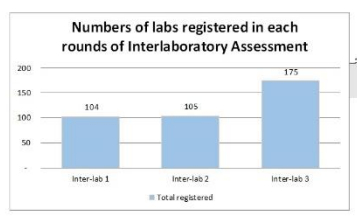
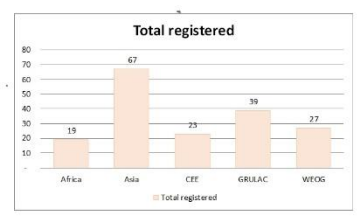
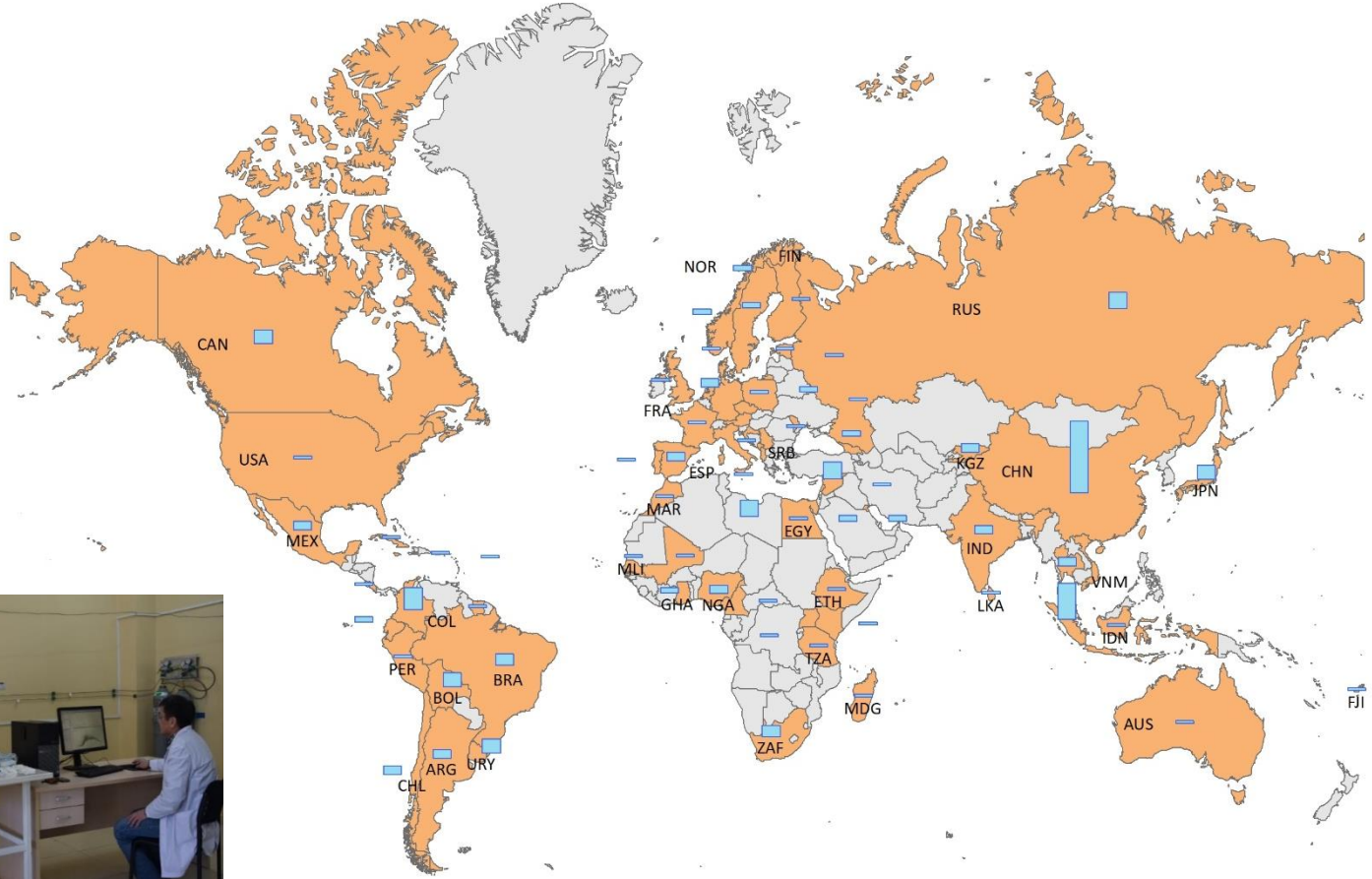
- Sites for air sampling
- Sites for water sampling
- 30 countries in GMP1 2010-2013
- 42 countries in GMP2 2017-2019





# POPs Global Monitoring Plan

Countries and Numbers of Laboratories Registered in the 3rd Round GMP Interlaboratory Assessment



Inter-lab 2016

# Actions on Waste Prevention and Management



- Marine Litter and Microplastics
  - Ad hoc open-ended expert group on marine litter and microplastics, 29-31 May '18
  - Regional Action Plans: plan for the Wider Caribbean Region drafted
  - CleanSeas
- Regional Waste Management Outlooks launched
  - Africa
  - Latin America and the Caribbean
- Support to designing waste management strategies
  - Myanmar
- Circularity in waste prevention and management
- E-Waste coalition: UN work under development
- World Environment Day 2018:
  - BeatPlasticPollution campaign and successes
  - Launch single-use plastic report



# Improving Air Quality Measurement and Management



- Consolidating work: Development of a UN Environment Air Quality programme
- Strengthened collaboration and partnerships
  - Climate and Clean Air Coalition: multiple benefits approach
  - World Health Organization
  - World Meteorological Organization
- Capacity development
  - support to address air pollution in African and Asia Pacific countries
- Climate and Clean Air Coalition to reduce short-lived climate pollutants
  - multiple benefits approach to integrated climate change and air pollution assessments
  - 132 partners implementing 11 sector initiatives and
  - multiple benefits approach plans in 12 countries
  - Asia-Pacific Air Pollution Science Based Solutions Report
- BreatheLife: 10 more countries signed up
- Sand and Dust Storms
  - UN coalition established
  - work plans being developed





# UNEA-1 and 2 Resolutions

## UNEA-1

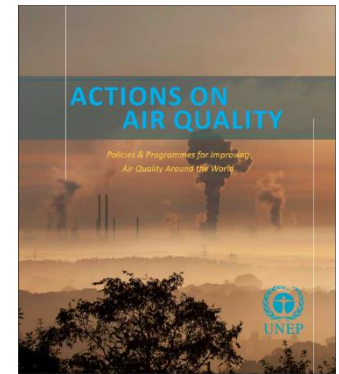
- 1/5 Chemicals and Waste
- 1/6 Marine plastics debris and microplastics
- 1/7 Promoting air quality

## UNEA-2

- 2/7 Sound management of chemicals and waste
- 2/11 Marine plastics and microplastics
- 2/21 Sand and dust storms

### Highlights:

- Special Programme
- “Marine plastic debris and microplastics: global lessons and research to inspire action and guide policy change”
- “Actions on air quality”



- Global Chemicals Outlook-II
- Marine plastic litter and microplastics assessment of the effectiveness of governance strategies and approaches
- Sand and dust storms assessment





# UNEA-3 Resolutions

## UNEA-3

- 3/2 Pollution mitigation by mainstreaming biodiversity
- 3/4 Environment and health
- 3/6 Managing soil pollution to achieve sustainable development
- 3/7 Marine litter and microplastics
- 3/8 Preventing and reducing air pollution to improve air quality globally
- 3/9 Eliminating exposure to lead paint and promoting environmentally sound management of waste lead-acid batteries
- 3/10 Addressing water pollution to protect and restore water-related ecosystem

### Highlights:

- Ad hoc open-ended expert group on marine litter and microplastics
- Three more countries with lead paint legislation

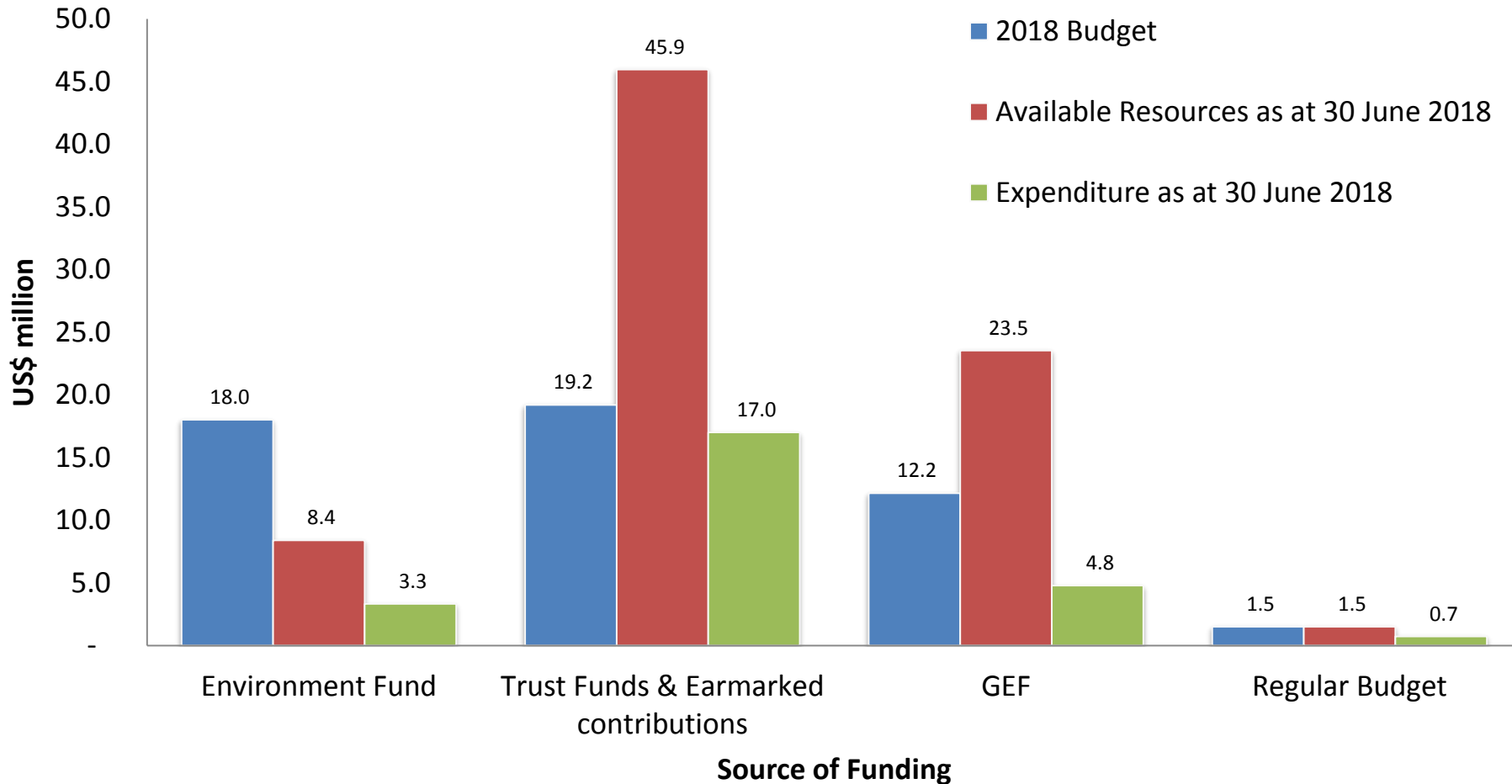


→ UNEA-3 Implementation Plan on Pollution



# Financial Overview

## January – June 2018



# Opportunities and Challenges



## Opportunities:

- Momentum on pollution created by UNEA-3 and likely to be sustained by UNEA-4
- More integrated approach towards chemicals, waste and air quality issues
- Increased collaboration around the topic of environment and health/ strategic partnerships
- Development of the framework for sound chemicals and waste beyond 2020
- Increased political focus on sound chemicals and waste management, including through the newly established High Ambition Alliance.
- Increased commitment by industry, including on addressing plastic and e-waste

## Challenges:

- High dependency on extra-budgetary resources for staff and activities benefiting certain topics more than others
- Significant increase in mandates from UNEA-3 with limited increase in human and financial resources
- Tracking impact: the need to step up methodology and data work for key Sustainable Development Goal indicators (such as for 14.1.1 on marine pollution: floating plastics and nutrient index)

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# Programme of Work – 2020-21



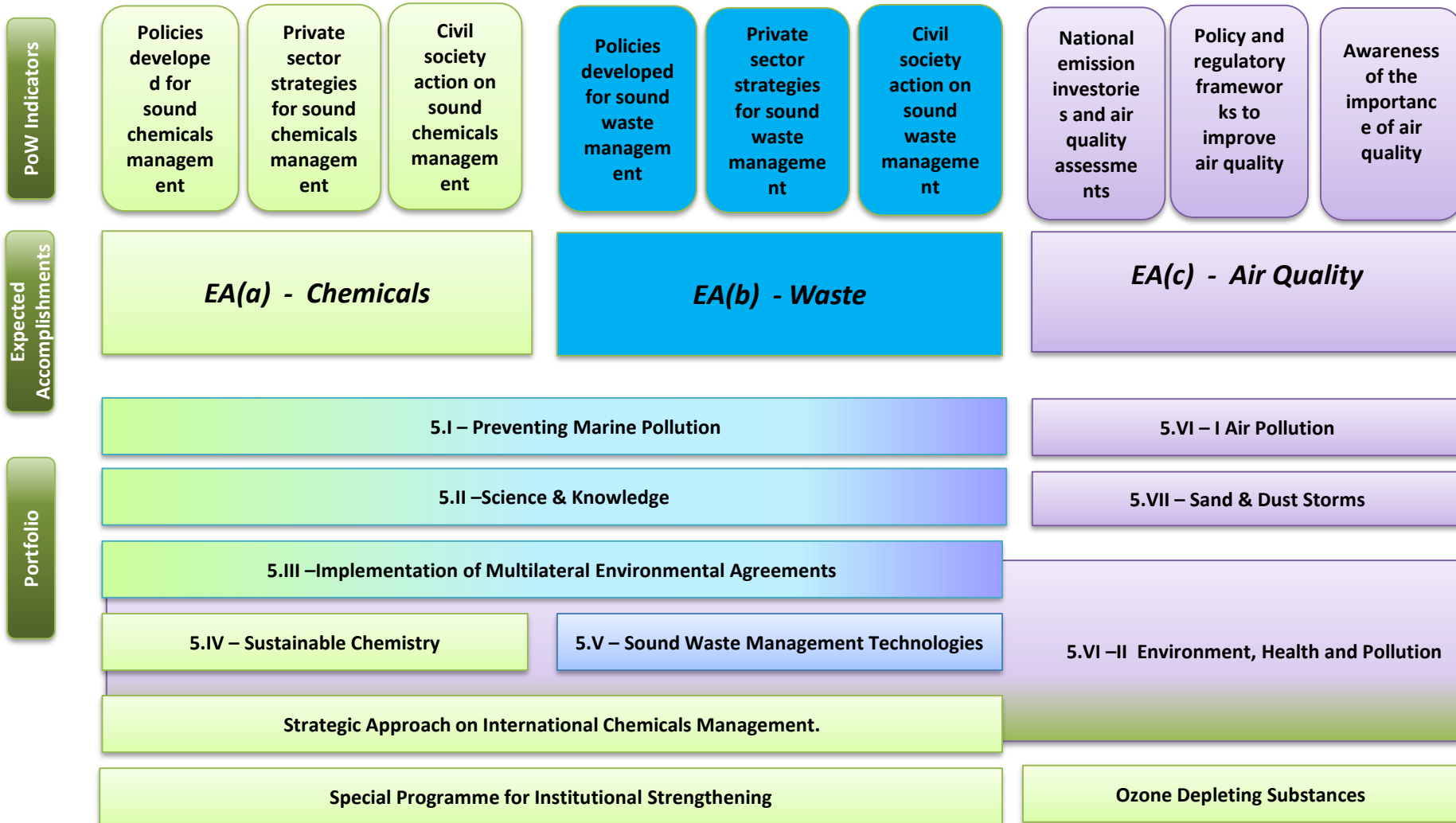
1. **Aligned to Sustainable Development Goal Indicators** at both impact and expected accomplishment level
2. **Guided by relevant resolutions** that will partly or in full be delivered through the Chemicals, Waste and Air Quality programme
3. **Enhanced integration between programme elements** under the three expected accomplishments on chemicals, waste and air quality
4. **Updated strategy** to better reflect priorities such as pollution, including of the marine environment, and respond to new mandates



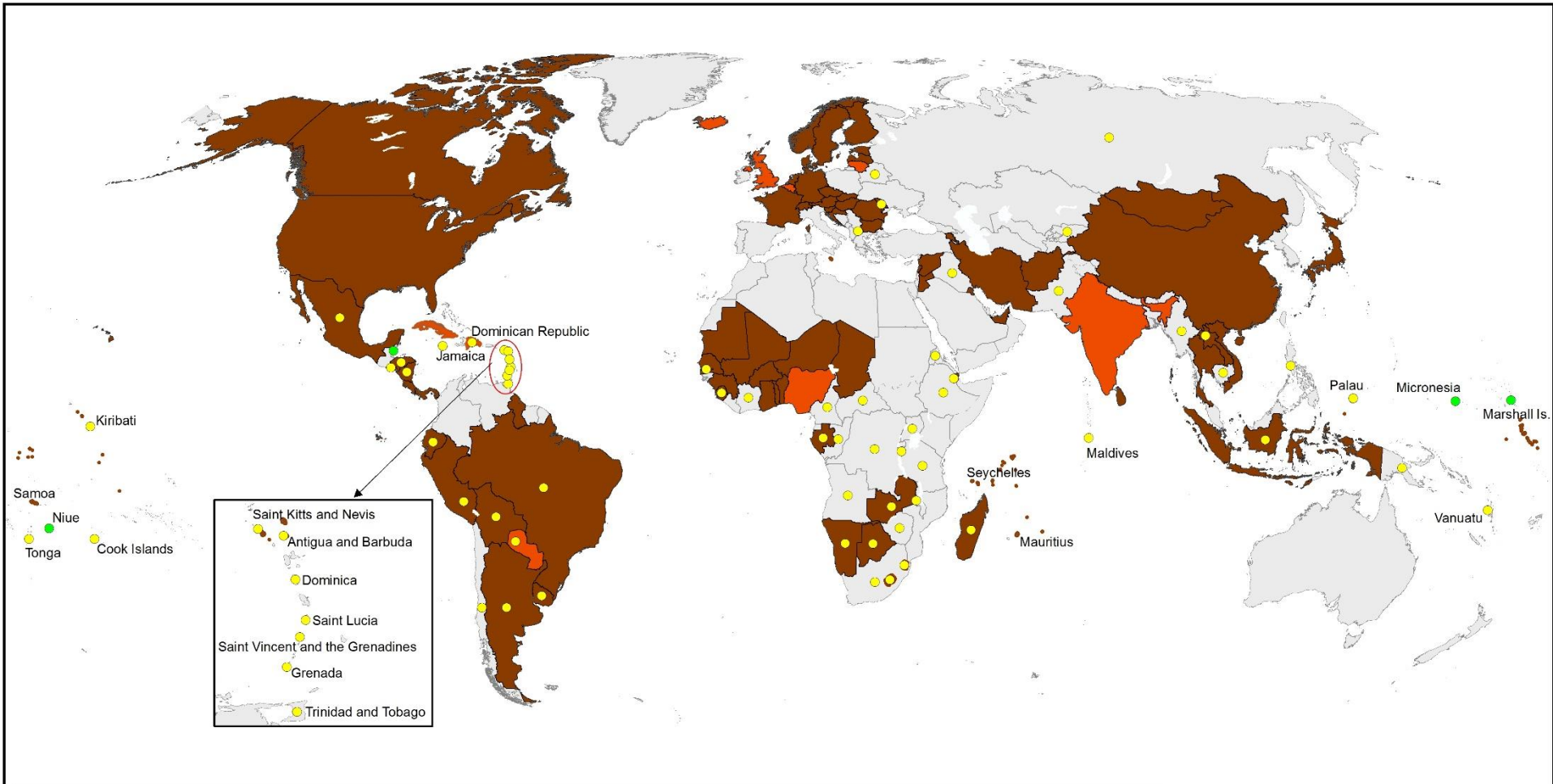
# Delivering on the PoW through the Portfolio



**Sound management of chemicals and waste and improved air quality for a cleaner environment and better health for all**



# Combating Mercury Pollution: from Science to Policy



**Countries combating mercury pollution as a result of UN Environment Programme contribution**

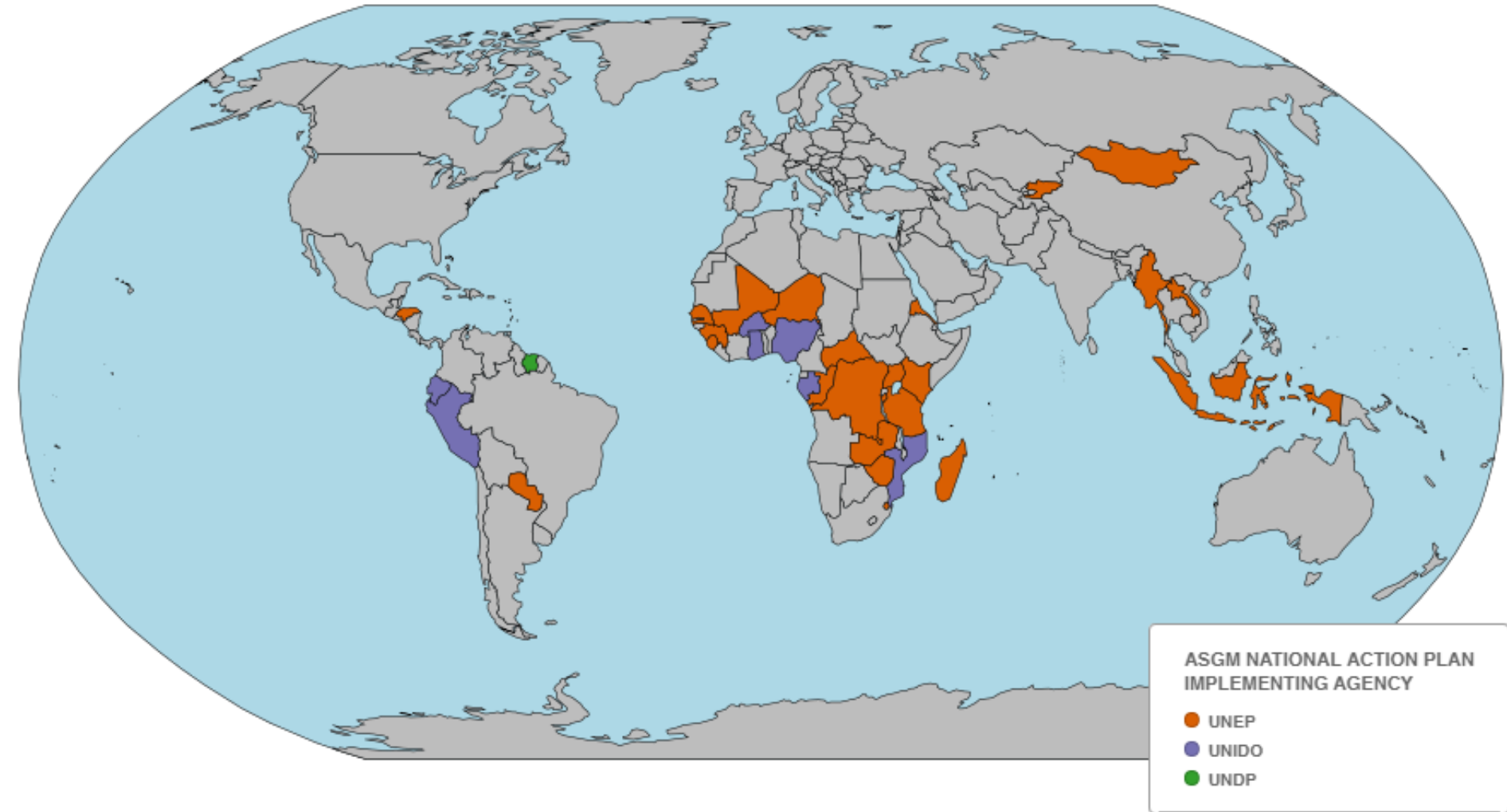
**Ratifications of the Minamata Convention on Mercury**

- Baseline as at the end of the 2016-2017 biennium
- January to June 2018

**Minamata Initial Assessments**

- Baseline as at the end of the 2016-2017 biennium
- January to June 2018

# Phasing out mercury use in Artisanal Small-Scale Gold Mining



Development of Small-Scale Gold Mining National Action Plans by UN entity





# Financial Resources 2020-2021

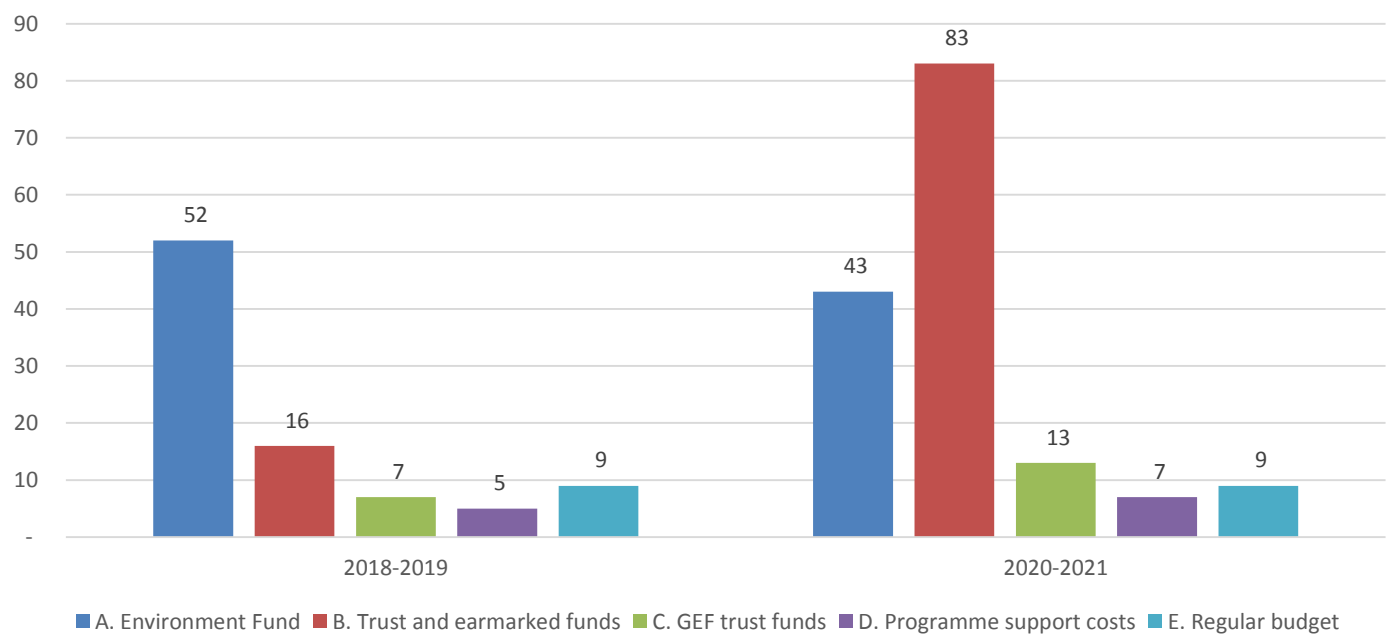
Financial Resources (thousands of United States dollars)			
<i>Category</i>	<i>2018-2019</i>	<i>Changes</i>	<i>2020-2021</i>
<b>A. Environment fund</b>			
Post	15,000	(2,400)	12,600
Non-post	17,300	(6,100)	11,200
<b>Subtotal A</b>	<b>32,300</b>	<b>(8,500)</b>	<b>23,800</b>
<b>B. Trust and earmarked funds</b>			
Post			23,400
Non-post	38,400	22,700	37,700
<b>Subtotal B</b>	<b>38,400</b>	<b>22,700</b>	<b>61,100</b>
<b>C. Global trust funds</b>			
Post			4,200
Non-post	24,300	21,700	41,800
<b>Subtotal C</b>	<b>24,300</b>	<b>21,700</b>	<b>46,000</b>
<b>D. Programme support costs</b>			
Post			2,000
Non-post	2,400	600	1,000
<b>Subtotal D</b>	<b>2,400</b>	<b>600</b>	<b>3,000</b>
<b>E. Regular Budget</b>			
Post	2,774	-	2,774
Non-post	267	-	267
<b>Subtotal E</b>	<b>3,041</b>	<b>-</b>	<b>3,041</b>
<b>Total (A+B+C+D+E)</b>	<b>100,441</b>	<b>36,500</b>	<b>136,941</b>



# Staffing Resource 2020-2021

Staffing resources (number of posts)			
Category	2018-2019	Changes	2020-2021
<b>A. Environment Fund</b>	52	(9)	43
<b>B. Trust and earmarked funds</b>	16	67	83
<b>C. GEF trust funds</b>	7	6	13
<b>D. Programme support costs</b>	5	2	7
<b>E. Regular budget</b>	9	-	9
<b>Total</b>	<b>89</b>	<b>66</b>	<b>155</b>

Staffing resources: Chemicals, Wastes & Air Quality



# Questions & Discussion

## **Subprogramme Lead Director**

**Ms. Ligia Noronha**

Economy Division

UN Environment Programme

Nairobi

[ligia.noronha@un.org](mailto:ligia.noronha@un.org)

## **Subprogramme Coordinator**

**Ms. Tessa Goverse**

Economy Division

UN Environment Programme

Nairobi

[goverse@un.org](mailto:goverse@un.org)