

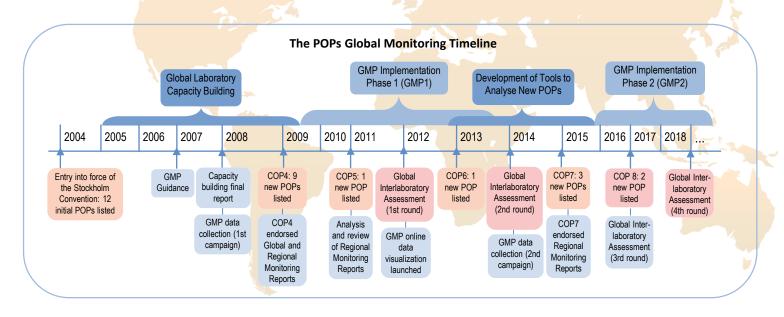


Africa region mid-term workshop

UNEP/GEF project "Continuing Regional Support for the POPs Global Monitoring Plan under the Stockholm Convention (GMP2)" in the Africa, Region

From GMP 1 to GMP 2

The first phase GMP projects were conducted in parallel in Africa, Asia, Latin American and the Caribbean (GRULAC) and the Pacific regions from 2009 to 2012, provided data on human exposure and environmental concentration of the 12 POPs originally included for the Stockholm Convention effectiveness evaluation. Building on the success of GMP1 and according to decision SC-6/23, four GMP follow-up projects (GMP2) are being implemented in the African, Asian, GRULAC and Pacific Regions.



UNEP/GEF POPs Global Monitoring Plan

Building Capacity to Sample and Analyse POPs

Data collection framework

POPs GMP provides a framework for the collection of comparable monitoring data on changes in the concentrations of POPs over time and their regional and global transport.

Stakeholder engagement

- National stakeholders: government, laboratories
- International experts (MTM, IVM, CVUA, RECETOX, BCCC-SCRC-Uruguay, CSIC)
- IGOs: WHO, BRS

UNEP/GEF GMP 2

1

Build capacity and generate data on analysis of core abiotic matrices (air and water) - two years of passive air sampling and water sampling 2

Build capacity and generate data on analysis of core biotic matrices (human milk) - one round of human milk sampling 3

Assess existing analytical capacities and reinforce national POPs monitoring—two rounds of interlaboratory assessments and national samples

4

Secure conditions for sustainable POPs monitoring (tools and methods, training)

Countries participating in GMP2



Pacific Islands (10 countries): Fiji; Kiribati; Marshall Islands; Niue; Palau; Samoa; Solomon Islands; Tuvalu; Vanuatu

GRULAC (11 countries): Antigua and Barbuda; Argentina; Barbados; Brazil; Chile; Colombia; Ecuator; Jamaica; Mexico; Peru; Uruguay

Africa (15 countries): DR Congo; Egypt; Ethiopia; Ghana; Kenya; Mali; Morocco; Mauritius; Nigeria; Senegal; Tanzania; Togo; Tunisia; Uganda; Zambia Asia (7 countries):

Cambodia; Indonesia; Lao PDR; Mongolia; Philippines; Thailand; Vietnam



National activities under the GMP project

- Air sampling
- Water sampling
- Human milk survey
- Sampling of matrices of national interest
- Training

Country	2017-I	2017-II	2017-III	2017-IV	2018-I	2018-II	2018-III
DR Congo							Ongoing
Egypt							Ongoing
Ethiopia							Ongoing
Ghana							Ongoing
Mali							Ongoing
Mauritius							Ongoing
Morocco							Ongoing
Nigeria							Ongoing
Senegal							Ongoing
Togo							Ongoing
Tanzania							Ongoing
Tunisia							Ongoing
Uganda							Ongoing
Zambia							Ongoing

Coun	itry	2017-I	2017-II	2017-III	2017-IV	2018-I	2018-II	2018-III
Egypt								Ongoing
Ghana)							Ongoing
Kenya								Ongoing
Seneg	al							Ongoing
Tunisi	a							Ongoing
Zambi	a							Ongoing
Coun	itry	2017-I	2017-II	2017-III	2017-IV	2018-I	2018-II	2018-III
Mong	olia							Ongoing
Vietna	ım							Ongoing

Water





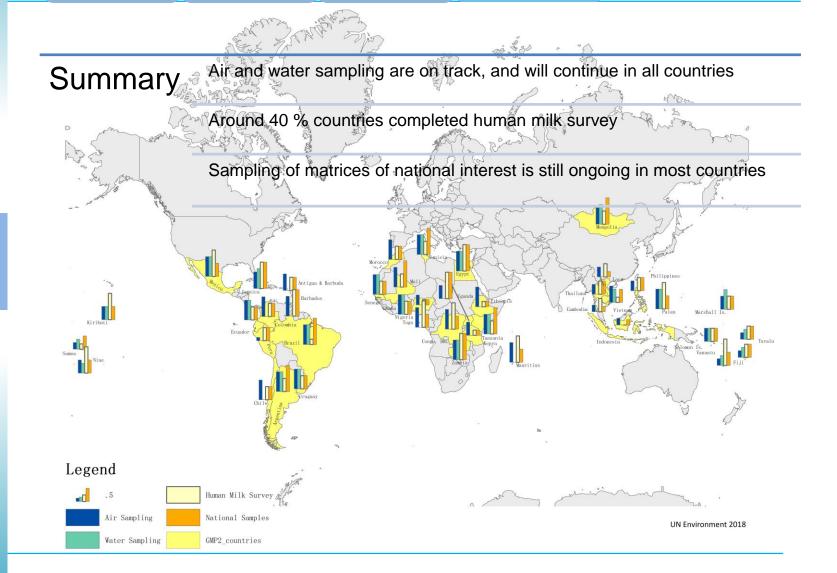
Water

Country	Sampling Status
DR Congo	Done
Egypt	Done
Ethiopia	
Ghana	Ongoing
Kenya	Ongoing
Mali	
Mauritius	Done
Morocco	
Nigeria	
Senegal	Ongoing
Tanzania	
Togo	Done
Tunisia	
Uganda	Done
Zambia	Done

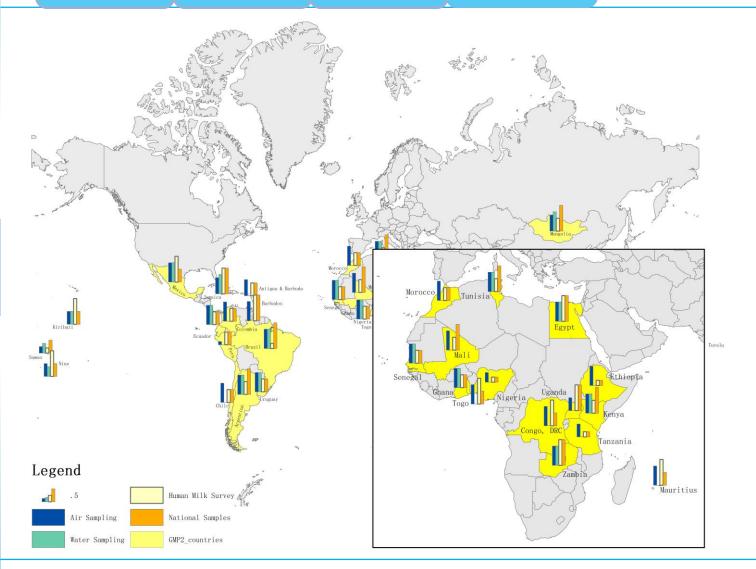
Human milk

Country	Sampling Status
DR Congo	About to send the samples to the reference labs
Egypt	Done
Ethiopia	
Ghana	Ongoing
Kenya	Ongoing
Mali	Done
Mauritius	New matrices proposed and accepted
Morocco	Ongoing
Nigeria	Plan to start soon
Senegal	About to send the samples to the reference labs
Tanzania	Ongoing
Togo	New sampling plan submitted
Tunisia	Done
Uganda	Done
Zambia	Done

National samples



Status



Status

Development of Tools and Methods

- To ensure that over time and between regions, the same basic approaches and quality criteria for acceptance of data and assessment of results are applied.
- Core partners: MTM, IVM, LATU, CSIC, CVUA, RECETOX

List of tools and methods developed

- General procedure for analysis of PFOS (En. Fr. Sp.)
- General procedure for analysis of PCB and OCP (En.Fr.Sp.)
- General Procedure for analysis of PBDE (En. Fr. Sp.)
- General procedure for the analysis of PFAS water (En. Fr. Sp.)
- General procedure for the analysis of dl-POPs (En. Fr. Sp.)
- Standard Operating Procedure for passive air sampling (En. Fr. Sp.)
- Standard Operating Procedure for water sampling (En.)
- Standard Operating Procedure for national samples (En. Fr. Sp.)
- Standard Operating Procedure for the sampling of human Brest milk (En. F
- Standard Operating Procedure for active air sampling (En.)
- Video of standard operating procedure for the sampling of human Brest milk
- Video of the standard operating procedure for passive air sampling
- Video of the standard operating procedure for active air sampling
- Sync of SOPs and videos





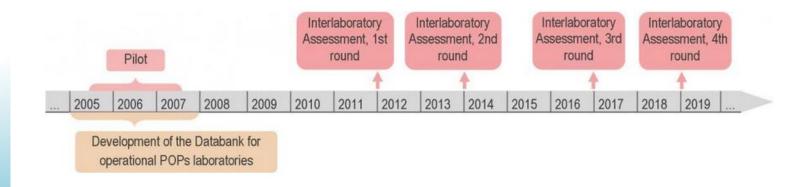
SOPs

Training

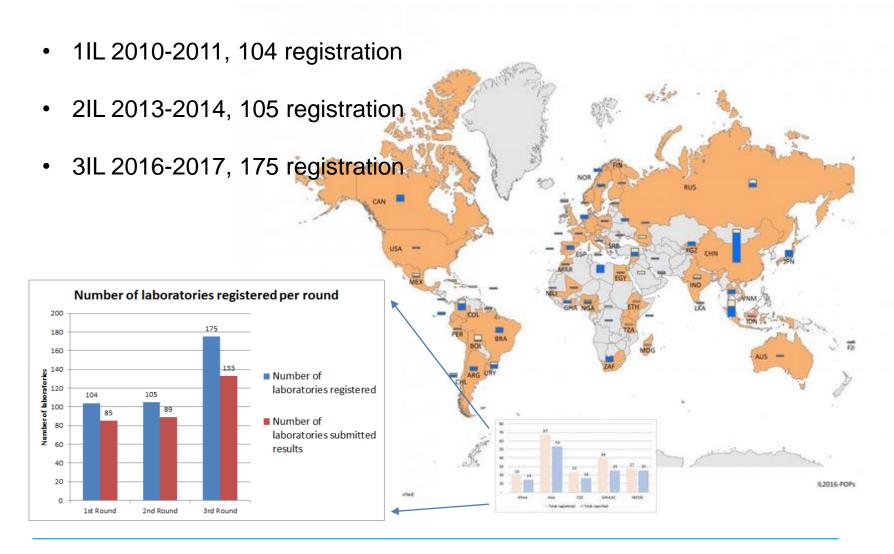
Country	When		
Egypt	TBD		
Ghana	Pending		
Kenya	May 2017		
Mauritius	14 - 22 Sep 2017		
Morocco	Done		
Senegal (Mali)	28 Sep - 6 Oct 2017		
Tanzania	12-20 July 2018		
Tunisia	TBD		
Uganda	TBD		
Zambia	23 April – 1 May 2018		

As part of the POPs Global Monitoring Plan, the Global Interlaboratory Assessment aims to

- Enhance communication and information sharing among laboratories to compare and validate data
- •Identifies good practices and lessons learned for the analysis of the POPs under the Stockholm Convention



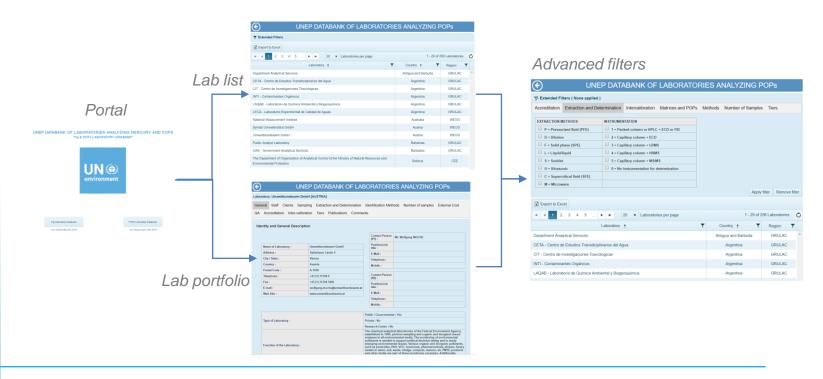
Global Interlaboratory Assessment



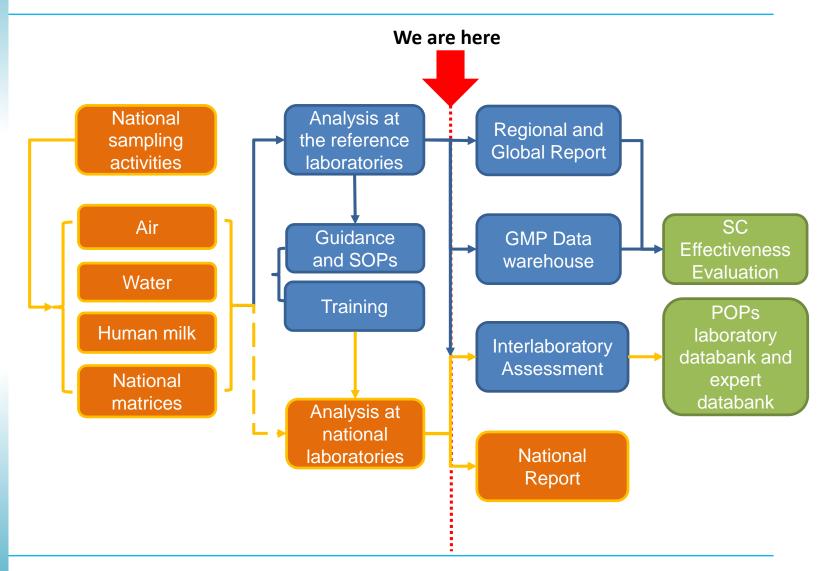
POPs Laboratory Databank

Databank

- Update of the BRS POPs laboratory databank, with new user interface and advanced searching functions added;
- The results of the interlaboratory assessments will be included in the POPs Laboratory Databank;
- Will be publically available on the K&R Unit's webpage and BRS webpage;
- 256 laboratories included at present.



At the mid-term, we look forward to



Databank

IL

Training

SOPs



Nat'Act