



# Asia region mid-term workshop

UNEP/GEF project “IMPLEMENTATION OF THE  
POPs GLOBAL MONITORING PLAN UNDER THE  
STOCKHOLM CONVENTION in the Asia, Region

Ulaanbaatar, MONGOLIA

# Next steps

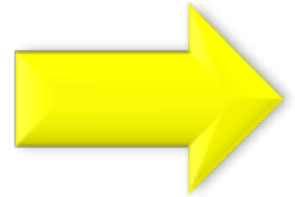
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- Cambodia
- Indonesia
- Lao PDR
- Mongolia
- Philippines
- Thailand
- Vietnam

Asia

From now:



# Asia

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

Sampling continues

Can you analyse PUFs?  
2,4,6,8,10,12

YES

NO

Which ones?

Send to expert laboratories

MTM will undertake the analysis of PFOA and PFHxS in addition to the PFOS and its precursors

VU will explore including newly listed POPs in the analysis (HCBD, PCN, SCCP)

Asia

Can you analyse your national samples?

YES

NO

Mongolia

Vietnam

UNDERTAKE  
THE ANALYSIS  
IN **bottle a**

1. Keep bottle B or
2. Send bottle B to  
MTM (Heide)

MTM will undertake the analysis of fluorinated compounds under consideration (PFOA and PFHxS) in addition to PFOS

Water

## Asia

## Human milk

Cambodia  
Indonesia??  
Lao PDR  
Mongolia  
Philippines  
Thailand  
Vietnam

Deadline to send  
pool to CVUA  
31 December 2018



- ✓ Send letters:
  - ✓ To help Ethical Clearance, in coordination with WHO, if needed
  - ✓ To help shipment, in coordination with CVUA
- ✓ Send e-mail:
  - ✓ To clarify national analysis situation

# Asia

Can you analyse your national samples?

YES

NO

UNDERTAKE  
THE ANALYSIS

Send to CVUA (Rainer  
and Karin) AS A POOL  
(another 2 L bottle will be  
sent to you)

Human  
milk

Cambodia  
Indonesia??  
Lao PDR  
Mongolia  
Philippines  
Thailand  
Vietnam



Asia

CVUA will include analysis of

5) POPs listed at COP-7: Hexachlorobutadiene (Annex A), pentachlorophenol + salts + esters, polychlorinated naphthalenes

6) POPs listed at COP-8: Decabromodiphenyl ether, SCCP, hexachlorobutadiene (Annex C)

7) possible candidates at COP-8: dicofol, pentadecafluorooctanoic acid (PFOA) and salts, perfluorohexane sulfonic acid (PFHxS)

Human  
milk





## Asia

### National samples

- Identify your samples
- Coordinate with Jacob (workplan)
- Take your samples/prepare them
  - Send to expert laboratories
- Identify any type of support you need from UNEP

Asia



- ✓ Send letters:
  - ✓ To help shipment, in coordination with MTM (shipment permit) and/or letters from other expert laboratories

MTM will undertake the analysis of fluorinated compounds under consideration (PFOA and PFHxS) in addition to PFOS and its precursors

VU will explore including newly listed POPs in the analysis (HCBD, PCN, SCCP)

National samples

# Asia

Can you analyse your national samples?

YES

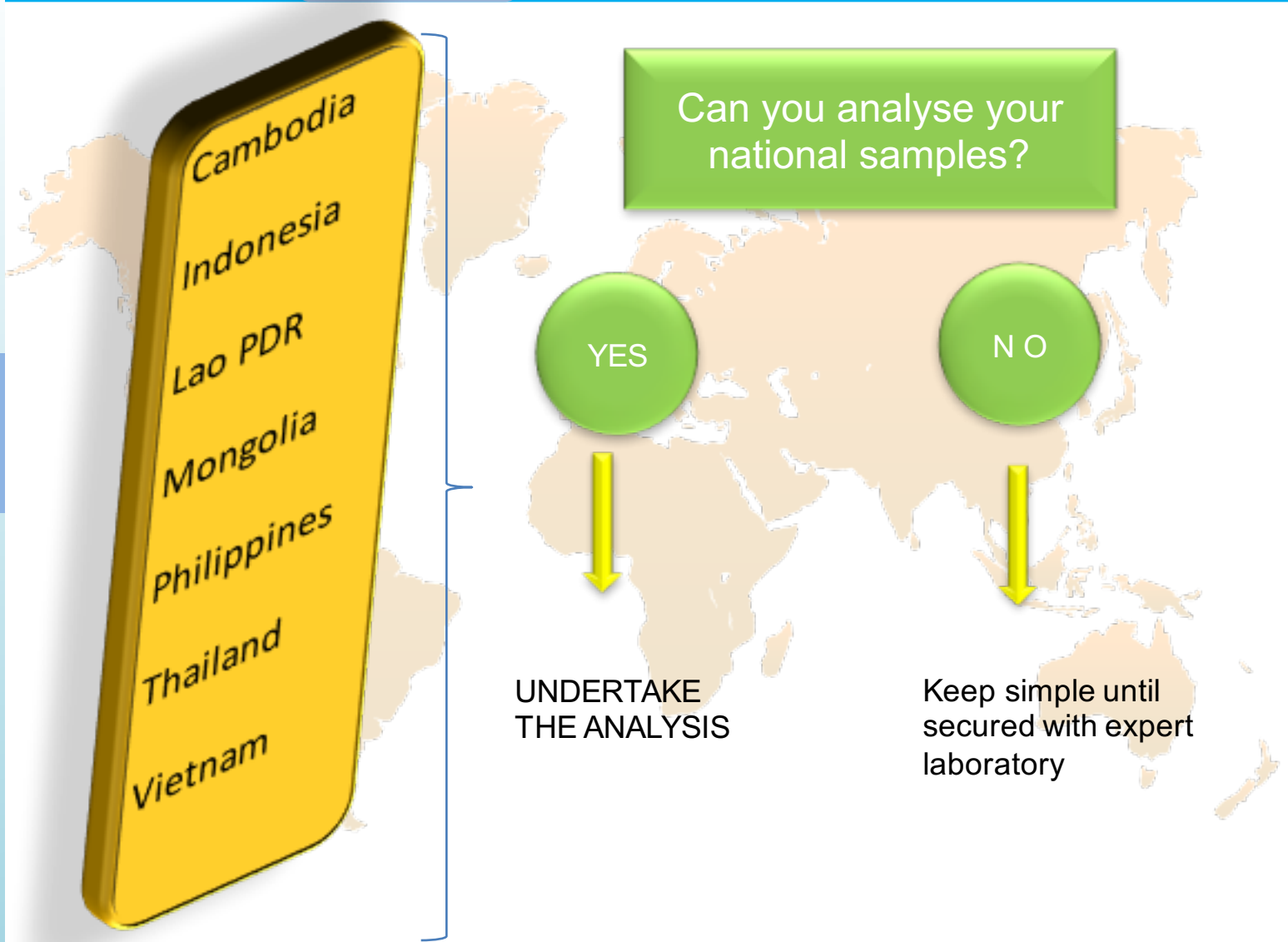
NO

UNDERTAKE  
THE ANALYSIS

Keep simple until  
secured with expert  
laboratory

Cambodia  
Indonesia  
Lao PDR  
Mongolia  
Philippines  
Thailand  
Vietnam

National  
samples



# Asia

## Training

Country	When
Cambodia	TBD
Mongolia	6-15 Feb 2017
Philippines	June 2017
Thailand	TBD
Vietnam	TBD

Lao PDR



Discuss with Heide/Jacob on possibilities

Asia

Deadline extended to  
17 August 2018

Inter –  
Laboratory  
assessment



✓ Will send reminder



Participants to spread  
the communication

# Asia

## Data-bank

UNEP DATABANK OF LABORATORIES ANALYZING MERCURY AND POPs  
"Hg & POPs LABORATORY DATABANK"



Hg Laboratory Databank

Last Update: May 30th, 2010

POPs Laboratory Databank

Last Update: April 14th, 2010

UNEP DATABANK OF LABORATORIES ANALYZING POPs

Laboratory: Umweltbundesamt GmbH (AUS19KA)

General | Staff | Clients | Sampling | Extraction and Determination | Identification Methods | Number of samples | External Cost

QA | Accreditation | Inter-calibration | Tiers | Publications | Comments

Identity and General Description

Name of Laboratory :	Umweltbundesamt GmbH	Contact Person (S1) :	Mr. Wolfgang MOCH
Address :	Spittelauer Lände 5	Position/Job Site :	
City / State :	Vienna	E-Mail :	
Country :	Austria	Telephone :	
Postal Code :	A-1050	Mobile :	
Telephone :	+43 (0) 31334 0	Contact Person (S2) :	
Fax :	+43 (0) 31334 5499	Position/Job Site :	
E-mail :	wolfgang.moch@umweltbundesamt.at	E-Mail :	
Web Site :	www.umweltbundesamt.at	Telephone :	
		Mobile :	

Type of Laboratory : Public / Governmental : Yes  
Private : No  
Research Center : No

Function of the Laboratory : The chemical-analytical laboratories of the Federal Environment Agency established in 1990, perform sampling and organic and inorganic trace analysis for all environmental media. For monitoring of environmental pollution in order to respect national directives and to comply emerging environmental issues. Various organic and inorganic pollutants, such as pesticides, PAH, PCB, hormones, pharmaceuticals, heavy metals in water, soil, waste, sludge, compost, manure, air, PM10, products and other media are part of these monitoring programs. Additionally,

UNEP DATABANK OF LABORATORIES ANALYZING POPs

Extended Filters (None applied)

Accreditation	Extraction and Determination	Intercalibration	Matrices and POPs	Methods	Number of Samples	Tiers
EXTRACTION METHODS		INSTRUMENTATION				
<input type="checkbox"/> P = Pressurized fluid (PFE)	<input type="checkbox"/> 1 = Packed column or MPLC - ECD or FID					
<input type="checkbox"/> D = Dilution	<input type="checkbox"/> 2 = Capillary column + ECD					
<input type="checkbox"/> F = Solid phase (SPE)	<input type="checkbox"/> 3 = Capillary column + LIMS					
<input type="checkbox"/> L = Liquid/liquid	<input type="checkbox"/> 4 = Capillary column + HPLMS					
<input type="checkbox"/> S = Soxhlet	<input type="checkbox"/> 5 = Capillary column + MS/MS					
<input type="checkbox"/> U = Ultrasonic	<input type="checkbox"/> 0 = No instrumentation for determination					
<input type="checkbox"/> C = Supercritical fluid (SFE)						
<input type="checkbox"/> M = Microwave						

Apply filter Remove filter

Export to Excel

20 Laboratories per page 1 - 20 of 256 Laboratories

Laboratory	Country	Region
Department Analytical Services	Artigua and Barbuda	GRULAC
CETA - Centro de Estudios Transdisciplinarios del Agua	Argentina	GRULAC
CIT - Centro de Investigaciones Toxicológicas	Argentina	GRULAC
INTI - Contaminantes Orgánicos	Argentina	GRULAC
LAQAS - Laboratorio de Química Ambiental y Biogeoquímica	Argentina	GRULAC

Advanced filters

Participants to:

- Spread the communication
- Register / Verify information

# Next meeting

## Asia



# BAYARLALAA

ขอขอบคุณ

GRACIA

THANK YOU

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