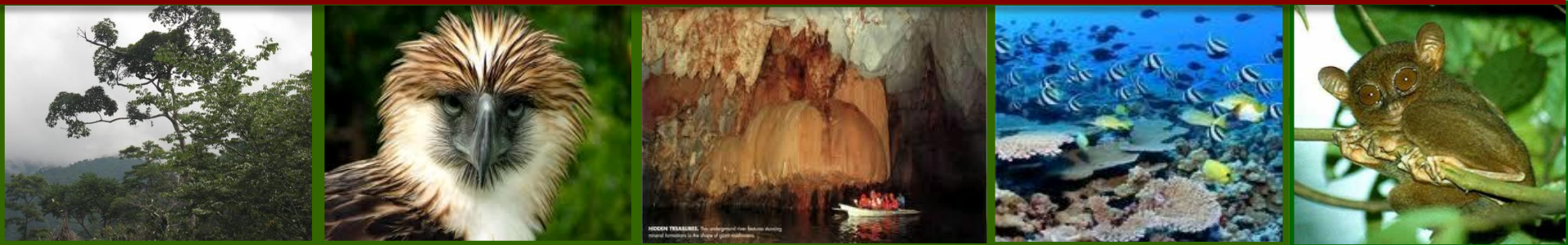




**Midterm Workshop for the UN Environment/GEF project 'Continuing Regional Support for the POPs Global Monitoring Plan under the Stockholm Convention' in the Asia Region**



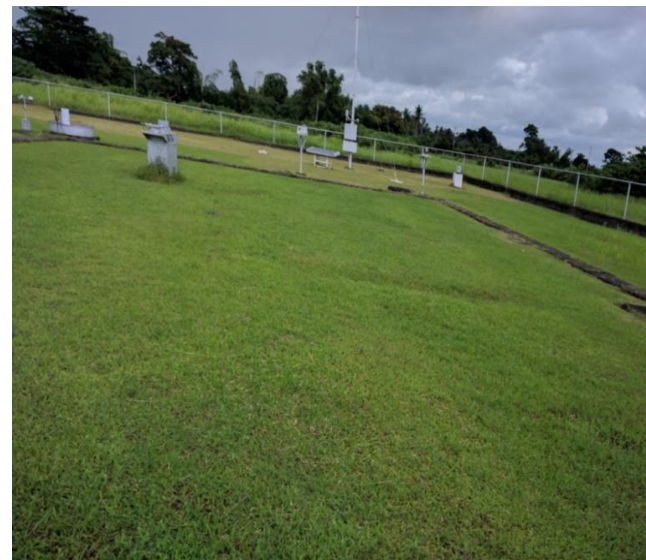
**PHILIPPINES: PROGRESS OF THE POPs MONITORING PLAN ON THE NATIONAL LEVEL**  
**Ulaanbaatar, Mongolia**  
**8 August 2018**

## COMPONENT 2:

# CAPACITY BUILDING AND DATA GENERATION ON ANALYSIS OF CORE ABIOTIC MATRICES - AIR

### Site Selection: **National Agrometeorological (AGROMET) Station**

- The Philippine AGROMET Station is located in Los Baños, Laguna, about 70.2 kilometers south of Manila (14.164719, 121.2500065).
- The National AGROMET Station gathers and provides on routine basis simultaneous meteorological and biological information.





## CAPACITY BUILDING AND DATA GENERATION ON ANALYSIS OF CORE ABIOTIC MATRICES - AIR

Site Selection: **National Agrometeorological (AGROMET) Station**



Initial intallation of PUF  
on January 2018

Site conforms with criteria provided on the guidance document

- Sampler should be installed on a background station which is not affected by the direct sources of air pollution.
- Sampler should not be installed close to a fire place, chimney or outlet and outflow of measured pollutants.
- Secured place to prevent damage or sampler loss.
- Site should avoid individual and large sources of pollutants so that they reflect a large area around the site and not emissions from just a few local point sources.





# CAPACITY BUILDING AND DATA GENERATION ON ANALYSIS OF CORE ABIOTIC MATRICES - AIR

Site Selection: **National Agrometeorological (AGROMET) Station**



Retrieval of 1<sup>st</sup> set of PUF and installation of  
2<sup>nd</sup> set of PUF done on April 2018



### COMPONENT 3:

## CAPACITY BUILDING AND DATA GENERATION ON ANALYSIS OF CORE BIOTIC MATRICES – Human Milk

- The survey and milk sampling shall be conducted at East Avenue Medical Center, a tertiary hospital located in the central part of Metro Manila which caters to different communities such as **Quezon City, Montalban Rizal, Caloocan City, Manila & Valenzuela.**
- Two hundred fifty (250) women will be included in the preliminary survey to be undertaken. A face to face interview will be conducted using a prepared questionnaire. From the 250 people, 50 women will be selected to provide breast milk samples for the study.



# HUMAN MILK SAMPLING PLAN

250 Participants will be included in the preliminary survey  
(Subject participants will come from East Avenue Medical Center)

Select 50 participants based on the Inclusion Criteria

Collect 50 ml breastmilk per participant  
Individual samples homogenized by heating to 38°C & shaking for 10 minutes  
Sample frozen at -20 °C, packaged in dry ice & sent to Chempro Laboratory

15 ml (pooled sample)  
Simple POP's  
Chempro Laboratory

For additional individual analysis of Simple POP's by Chempro Laboratory

10 ml per participant x 50 participants (500 ml pooled sample)

50 ml for Simple POP's by Chempro Laboratory

25 ml per participants for Simple POP's individual analysis (Pesticide POP's & PCB)  
Chempro Laboratory

450 ml for Complex POP's by WHO Reference Laboratory





**COMPONENT 4:**

**ASSESSMENT OF EXISTING ANALYTICAL CAPACITIES AND  
REINFORCEMENT OF NATIONAL POPS MONITORING**

- The Environmental Management Bureau agreed to have samples for Fish and Sediments
  - Based on capability of the EMB Laboratory and
  - Experience in analysis on such media.
- Currently the sampling protocol is being developed - Target is after the training on Laboratory analysis of POPs scheduled on 13-17 August 2018.





## PROBLEMS ENCOUNTERED

1. Lost shipment of glasswares for Human milk sampling
  - This was coordinated with the forwarding service and customs, however the materials can no longer be traced.
  - Another set was sent and have been received.
2. No experience yet in sending samples (PUF / sediments / fish ) outside the country. Coordination with the Customs and relevant government agencies will be carried out (e.g. any permits needed).







Thank you

