



Status of PRTR in Cambodia

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Second Global Project on the Implementation of Pollutant Release and Transfer Registers (PRTR) as a Tool for Persistent Organic Pollutants (POP) Reporting, Dissemination and Awareness raising
5 – 8 December 2018, Lima-Peru



ក្រសួងបរិស្ថាន
MINISTRY OF ENVIRONMENT



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I. General Chemical Management related to PRTR

- ❑ Committed to implement the Agenda 21 and to achieve Millennium Development Goals
 - ✓ Advantage of chemicals
 - ✓ Cambodia's interest to reduce harm and achieve sustainable development and CNMDG
- ❑ Signed international conventions and chemicals related agreements include:
 - ✓ Basel Convention
 - ✓ Stockholm Convention
 - ✓ Rotterdam Convention
 - ✓ Montreal Protocol
 - ✓ Minamata Convention



I. General Chemical Management related to PRTR (cont...)

- RG received financial support to take action in implementing Agenda 21 including:
 - ✓ First NIP project (2004–2006)
 - ✓ Update NIPs Project (2013–2015)
 - ✓ Updating inventory of mercury in mining
 - ✓ POPs Monitoring on Human milk and air sampling Project (2016–2019)
 - ✓ 1st Phase of PRTR Project (2009–2010)
 - ✓ 2nd Phase of PRTR Project (2016–2020)
 - ✓ Other projects related to chemicals and waste



I. General Chemical Management related to PRTR (cont...)

Cambodia activities contribute to the implementation of the SC

- Ministry of Environment is a National Contact Agency for the SC.
- IMTWG for the SC has been established & comprised with members from various Stakeholders.



I. General Chemical Management related to PRTR (cont...)

- The first NIP was developed and endorsed by council minister in 2006 which cover 12 POPs.
- The second NIP (NIP update) was developed and submitting to the secretariat of the SC in 2015.



I. General Chemical Management related to PRTR (cont...)

Cambodia activities contribute to the implementation of the SC - cont. -

- With the above 2 enabling activity project on the implementation of the SC, Cambodia has successfully in:
 - ✓ All POPs pesticides were banned under new law and all old and new POPs were not found for use at all (new law banned 163 pesticides active ingredients, while old banned 116).
 - ✓ POPs pesticides were not found during POPs pesticides update inventory in 2014.



I. General Chemical Management related to PRTR (cont...)

Cambodia activities contribute to the implementation of the SC - cont. -

- NCMC, MOH has declared that DDT has been stopping and not any longer used such DDT to prevent and control for malaria,
- However, Cambodia remains its position to possibly use of DDT in case of necessary needs when there are:
 - ✓ There is a widespread of malaria epidemic disease,
 - ✓ There is no alternative to DDT, and
 - ✓ DDT donated from other countries.



II. History of PRTR implementation

Implementing of PRTR 2009–2010

- As a results of PRTR Phase 1 project the main key elements have identified and developed for the designing of the national PRTR system included:
 - ✓ National Infrastructure Assessment,
 - ✓ Strategic Plan on PRTR Dissemination and Awareness Raising in Different Sectors
 - ✓ Identified the scope of PRTR system
 - ✓ Designing of the key feature for PRTR system,
 - ✓ Conducting of pilot trial, and
 - ✓ National Executive Proposal.



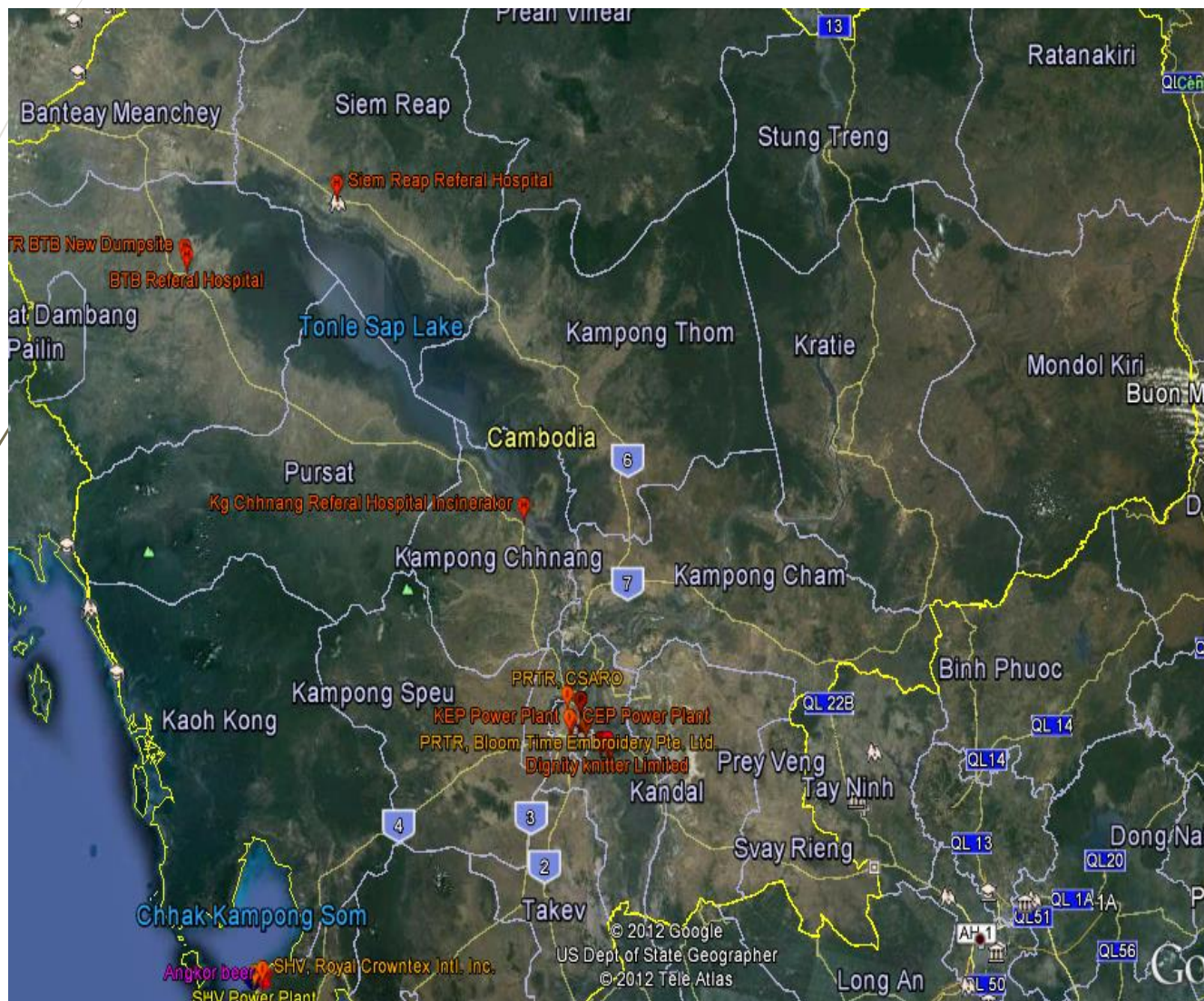
II. History of PRTR implementation (Cont...)

- Beside the documents developed under the for PRTR project, we have:
 - ✓ Conducted pilot trial activities,
 - ✓ Capacity building for officers through training, workshop,
 - ✓ Activities with NGOs and civil society for the awareness raising.



II. History of PRTR implementation (Cont...)

Pilot Trial in 2010



Current Phase 2: PRTR Implementation from 2016 to 2020



III. Current PRTR Implementation

Project Activities and Budget Allocated

✓ Project Management Cost	19,200 \$
✓ Travel/Tickets	1,900 \$
✓ Operational Expenses	33,400 \$
✓ Office Supplies	7,400\$
✓ Contractual Services	128,100 \$
Total	<u>190,000 \$</u>

III. Current PRTR Implementation (cont. ...)

Project Activities and Budget

Activities/National Service	GEF Budget
1. Update National Executive Proposal and Legal	27,200\$
<ul style="list-style-type: none">- Updating National Executive Proposal- Sub-Decree on Pollutant Release and Transfer Register- NCC meeting to consulting (face to face Meeting)	
2. National Consultants to develop and Coordinate training to industrial, NGOs, Civil Society and media/Journalists	17,600\$
<ul style="list-style-type: none">- National Strategy for Dissemination information and PRTR Data- Implementation of National Strategy	

III. Current PRTR Implementation

Project Activities and Budget

3. National Consultant to develop campaigns about PRTR for Civil society	13,600\$
National Consultant to develop online reporting system <ul style="list-style-type: none">- Guidance to IT expert to developing the web portal of PRTR in Cambodia- IT expert to developing the web portal- Online reporting user manual	20,100\$
4. Consultant to develop a national guideline on estimation methodology for the industrial sector <ul style="list-style-type: none">- General Guideline on EET- Specific Manual on EET- Training to Trainer for industrial sectors resources	20,100\$
5. Consultant to develop campaigns about PRTR for Civil society	13,600 \$

III. Current PRTR Implementation (cont....)

Project Activities and Budget

6. Pilot Trial	28,500\$
<ul style="list-style-type: none">- Conduct Survey to pollution sources (Selection of the pilot trial region)- Obtain policy commitment by industrial and other pollution sources's reporting- Identify of threshold and chemical or pollution substances- Implementing and POPs Reporting	

III. Current PRTR Implementation (cont....)

Achievement activities of PRTR

III. Current PRTR Implementation (cont....)

Achievement activities of PRTR



Inception Workshop to implementation PRTR in Cambodia on July 26, 2016, PRTR inception Workshop at CKCC/RUPP, Phnom Penh



III. Current PRTR Implementation (cont....)



Training Session on National PRTR Proposal and Practical Uses, Communication and Dissemination Strategies of PRTR Data was held on 15 March, 2017 at Phnom Penh

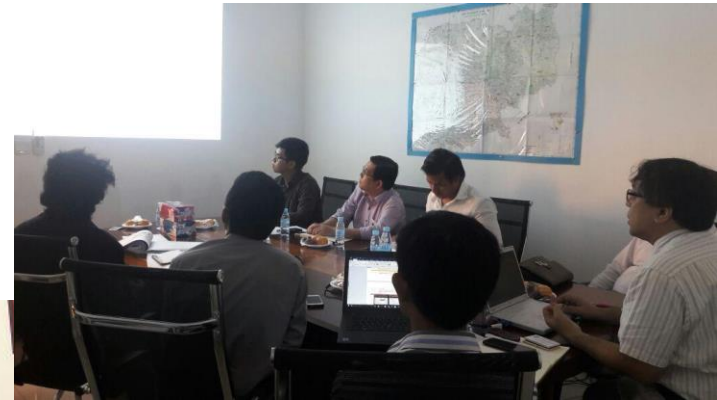
III. Current PRTR Implementation (cont....)



PRTR System
Dissemination and
Campaign from 26 to
28 Oct 2017 at Koh
Pich Center, Phnom
Penh



III. Current PRTR Implementation (cont....)



Training-to-Trainer on Pollution Release Estimation Technique and Guideline on Pollution Release Estimation Technique from 17-19 October 2017, DHSM's meeting room, Ministry of Environment.

III. Current PRTR Implementation (cont....)



Conduct survey to sector for Reporting and to study on EET in Nov-Dec, 2018

III. Current PRTR Implementation (cont....)



Conduct survey to sector for Reporting and to study on EET in Nov-Dec, 2018

III. Current PRTR Implementation (cont....)

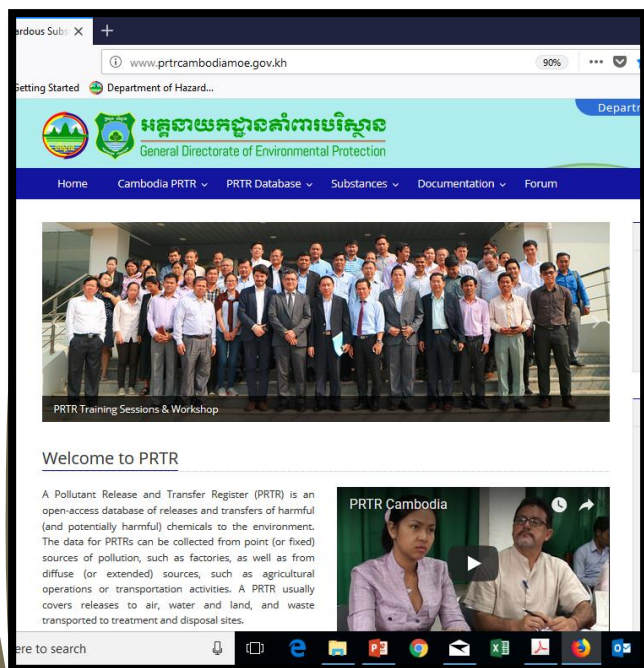


Conduct survey to sector for Reporting and to study on EET in Nov-Dec, 2018

III. Current PRTR Implementation (cont....)

PRTR Web Portal

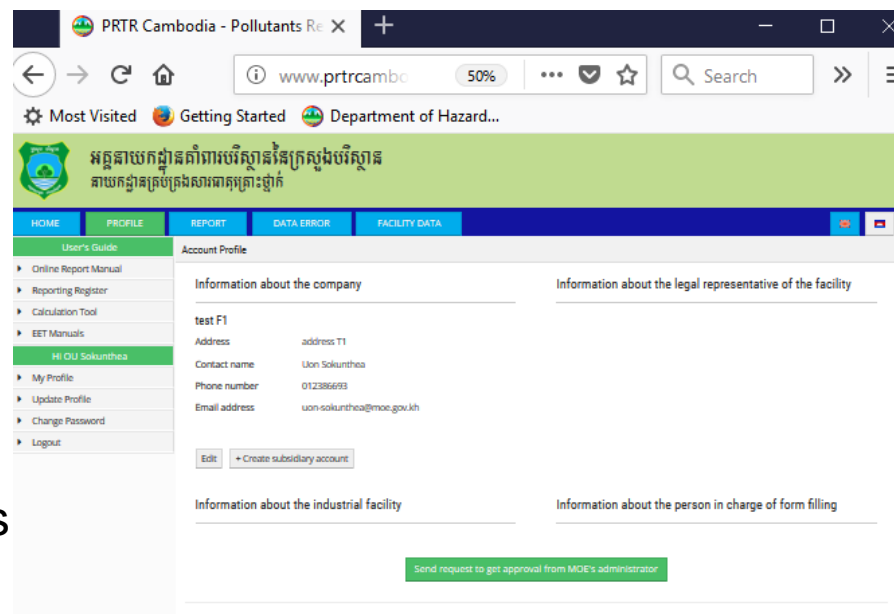
Pollution sources' reports will be received and evaluated. Each facility will generate account for their personal reports.



Report of Emission/Transfer

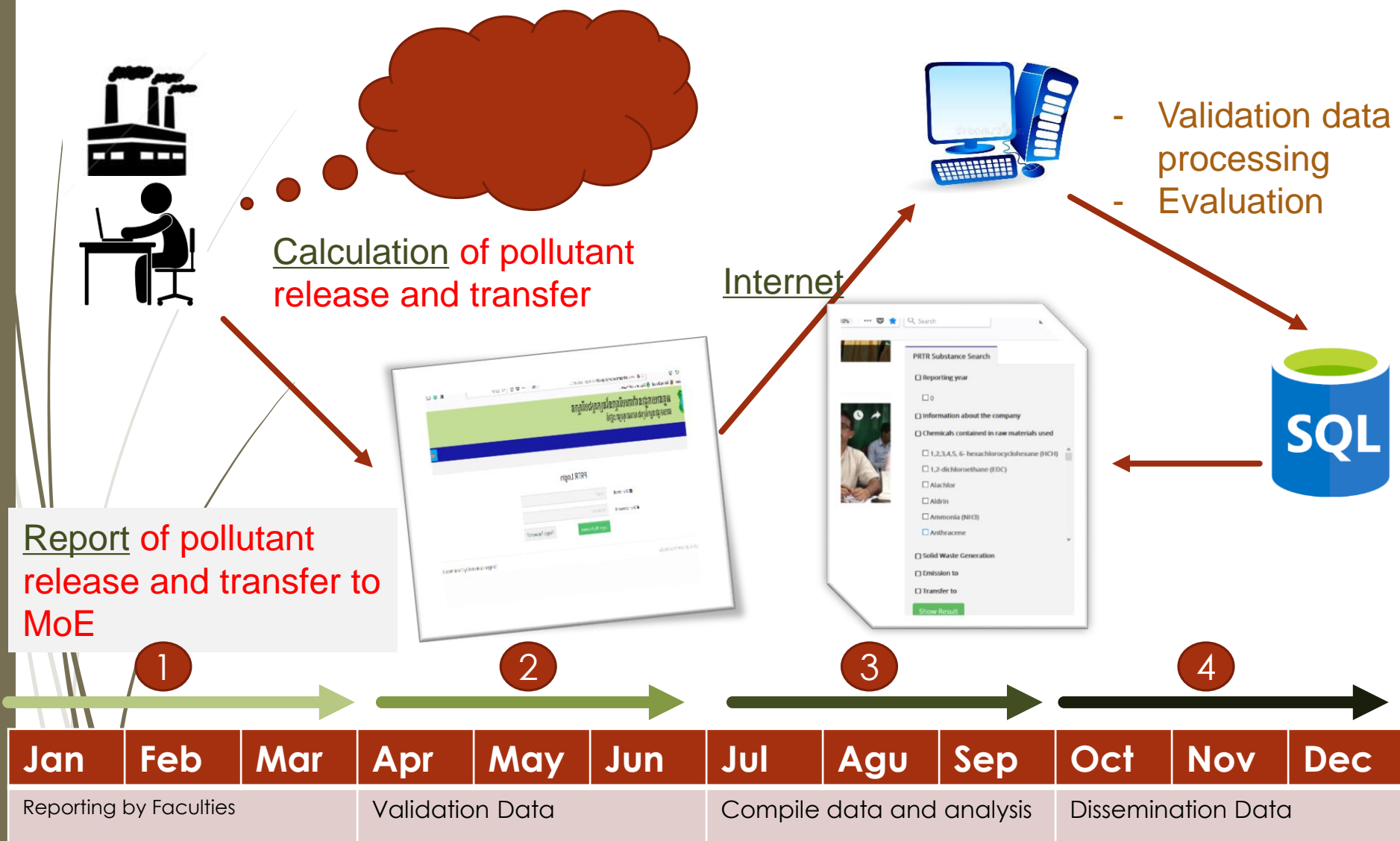
Pollution sources can use the manual in the web portal.

Allow facilities to estimate their annual emissions through emission factors developed by National Consultant.



Online Report System through PRTR web portal

III. Current PRTR Implementation (cont....)



2.7 Online Report System through PRTR web portal

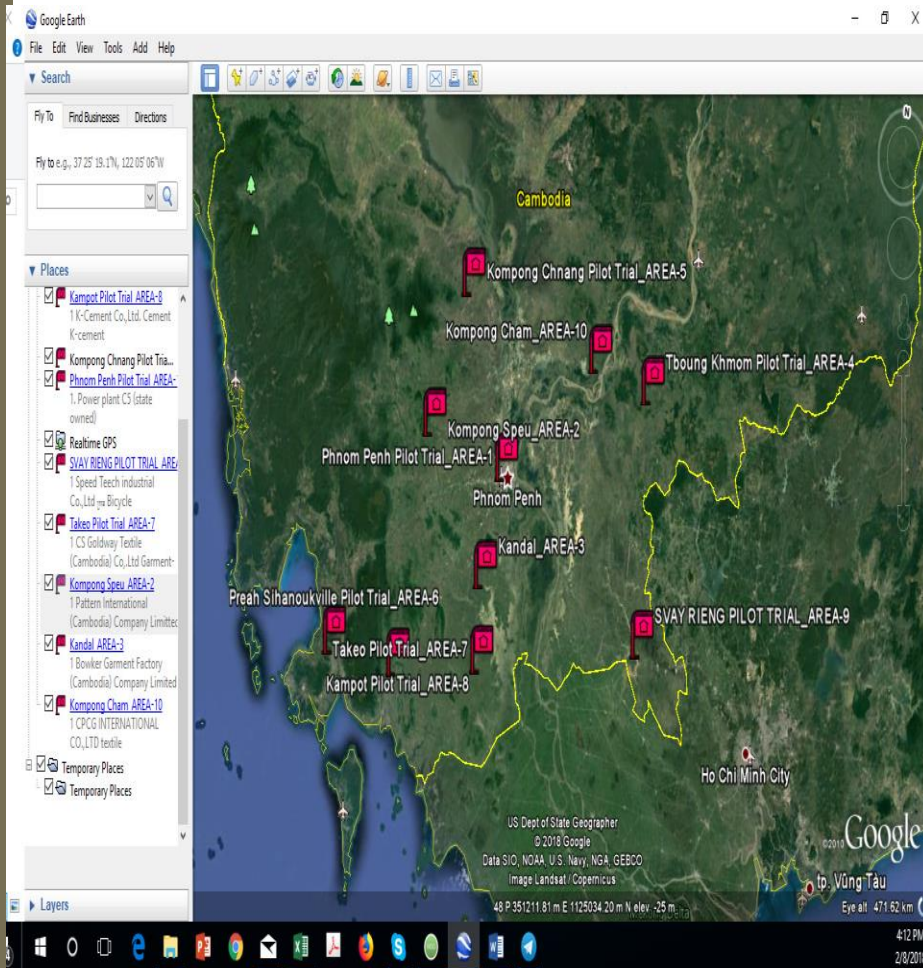
III. Current PRTR Implementation (cont....)



Planning activities of PRTR 2018-2020

III. Current PRTR Implementation (cont....)

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Period:

Start from Jan to March 2019

Place: 10 Province

- Phnom Penh, Kandal, Kompong Speu, Takeo, Kompot, Preahsihanouk, Svay Rieng, Kompong Cham, Thbong Kmom, Kompong Chhnang.

Pollution Sector:

1. Energy sector
2. Textile and Garment Sector
3. Beverage and Bio-energy Product
4. Rubber and wood and paper product
5. Solid and liquid waste management

Facilities :

- Around 80 Facilities

The pilot trial activities (2018 y -2019)

III. Current PRTR Implementation (cont....)

Updated work plan of activities

2018 >>>


- Report Mechanism System (Task Team)
- Conducting Training to Industrial in April-May on EET
- Campaign on PRTR System and Information Dissemination (slip over)
- Sub-Decree will be consulted with inter-stakeholder
- Pilot Trial (Industrial recording data-2018)

2019>>>

- Sub-Decree will be consulted with minister council (final)
- Training to local government official
- Start first Reporting cycle
- Compile and analysis Data
- Publication and Dissemination

2020

- Second reporting Cycle
- Compile and analysis Data
- Publication and Dissemination



IV. Lesion Learn and Challenges to implemented

IV. Lesion Learn and Challenges to implemented

- ✓ PRTR is a new concept in Cambodia, and we have very limited in chemicals waste management experiences,
- ✓ There are knowledge barrier among personnel regarding chemicals wastes management (PRTR), even consultants;
- ✓ There was an obstacle for project implementation which related to delayed budget allocation,
- ✓ There are the need for more national consultants in various fields of chemical expertise;

IV. Lesion Learn and Challenges to implemented

- ✓ The requirement of the reporting of the pollutant release into environmental media from source has inclusion in provision of Chemical law (however a completed regulation on PRTR needed) and Environmental Code to be approved.
- ✓ There were hardly to engage with stakeholders to be participated in the PRTR Pilot trials,
- ✓ Facilities was lack of stuff responding to environment
- ✓ National election will take place in July (in form the government and government mandate,...),



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**thank you very much
for your attention!**