







Sub-component 2.3: Environmentally Sound Management of equipment, stocks and wastes containing or contaminated by PCBs in national electricity companies of Mediterranean countries







1. Enhance country ownership

1. Support for the establishment of a **National PCBs management team in four countries**;













1. Training and raising awareness

2. Development of 9 awareness and training national and regional workshops on PCBs management (theoretical and practical) to provide local capacity and identify countries needs;









A Reliable PCB Inventory

- 3. Support the **PCBs inventory in** participating countries:
- 1. Grant PCBs screeners / analysers;
- 2. Training on the use of PCBs analyzers;
- 3. Audit and oil sampling of possible PCBs stakeholders (sites) by a PCB national and international team;
- **4. Analysis and identification** of PCB equipment and liquids.









PCB Disposal

International tender for packaging, collection and transport for final disposal of identified PCBs;







Disposal and Training:

Training of local experts on:

- Notification for export
- Handling
 - Draining of transformers
 - Packing
 - Labelling
 - Loading



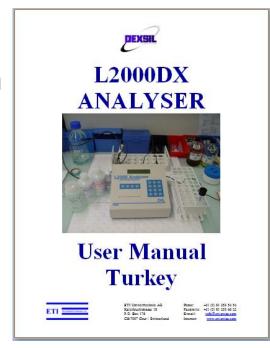






Development of PCB awareness and training materials:

- PCB management guide
- PCB toolkit
- PCB brochures
- PCB inventory form
- PCB handouts
- PCB website
- PCB video











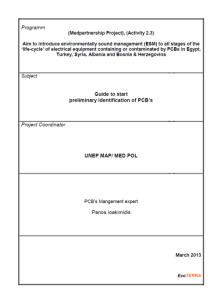




- Guide to identify PCBs (trade names)
- List PCB sampling lab material
- Course presentations









MedPartnership





"PCBs in the Mediterranean" website:

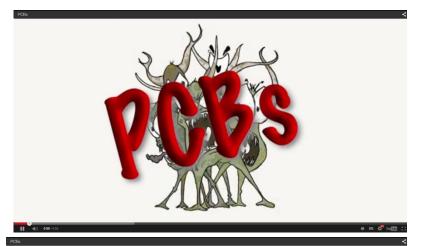
www.pcbsmed.org

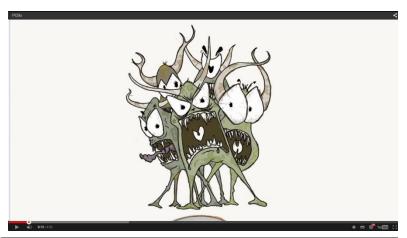


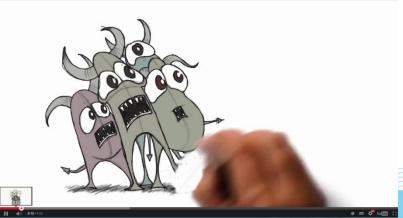




PCB awareness video













Achievements

- 12 units delivered of semimobile L2000DX analyser/screener
- 157 local experts to audit transformers/ capacitors and use of L2000DX Analyser;
- 239 local experts on PCBs management (theory and practice);
- 41 local experts on PCB handling;
- 9 local experts on import export of PCB (notification process).
- Up to 950 tons identified for disposal purposes
- 1 regional guide on PCB management
- PCB Factsheets per each GEF eligible country





- Training on notification procedure in Turkey
- Practical training on packing and exporting in Turkey
- Disposal started in Turkey
- Notification procedure started in Bosnia Herzegovina,









Expected outcomes until June 2015

- Conducting Training on notification process and handling In Egypt and Bosnia & Herzegovina
- Continue and finalize the disposal process









Next steps to ensure long-term sustainability of results

PCB training and awareness

Incorporate (<u>disseminate</u>) PCBs awareness materials (PCBs video, PCB brochures, website contents and PCB management guide, etc.) for use in participating countries National POP-PCB awareness program (Ministry's website, awareness and training activities, etc.).











3. Next steps to ensure long-term sustainability of results

3.3 PCB inventory and database

- All countries should develop a **national dynamic database**, with all registered equipment (transformers/capacitors);
- Enter all **input from inventories**/ site audits of PCBs equipment **into the national database**.



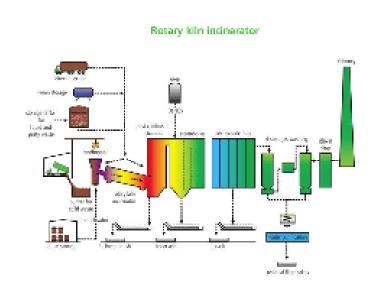


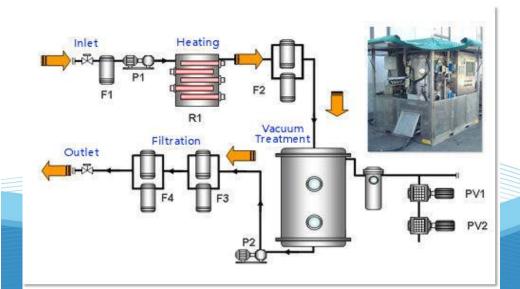


3. Next steps to ensure long-term sustainability of results

Set a **phase-out plan** considering the timeframe set by SAP MED Regional Plans on POPs under the LBS Protocol of the Barcelona Convention (2025) and the Stockholm Convention (2028);

Assure environmentally sound PCBs disposal methods.





Egypt
Ms. Elham Refaat Said
Ahmed
Ms. Manal Farag
Ms. Hoda Moustafa
Mr. George Zarif



Bosnia Herzegovina
Mr. Senad Oprasic
Ms. Nermina SkejovicHuric
Ms. Maja Maretic
Mr. Mirsad Madesko





We thank you!





Turkey
Ms. Sinem Atgin
Mr. Ahmet Varir
Ms. Sabriye Ayhan
Ms. Betul Dogru
Ms. Nazly Yenal
Mr. Kemal Kurusakiz
Mr. Omer Hallac







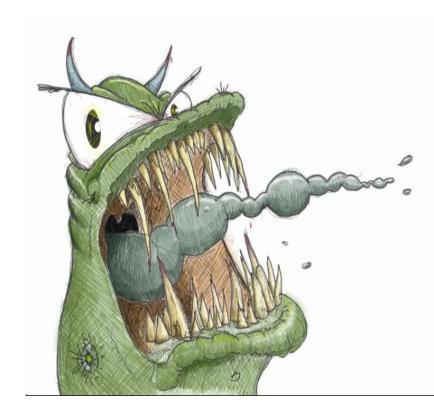






Thank you for your attention Eliminate PCBs or die!

940 tons
will be eliminated by
June 2015



Presenters:

Manolo Clar: mclar@pmecon.com

Panos loakimidis: ioakimidispan@gmail.com

Tatiana Hema