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**WHO** 

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## Technical outputs which can contribute to establishing national, regional and global monitoring programs

- Standard operating procedures (SOPs) on sampling and analysis of mercury in human scalp hair, cord blood and urine, and in the ambient air;
- Recommendations on quality control of mercury human biomonitoring and practical instruction on the use of passive air samplers for mercury;
- Survey Protocol for assessment of prenatal exposure to mercury using biomarkers in cord blood, maternal urine and hair (a toll for the development of national protocols);
- Templates for storage, statistical analysis and assessment of results of human biomonitoring and air monitoring.



Contractical instructions to use CNR-IIA Passive Air Samplers (PASs) for Total Gaseous Mercury (TGM) monitoring



English, French, Spanish



English, French, Spanish





## Increasing Knowledge on human exposure to and environmental concentration of mercury

- Global Review of Mercury Monitoring Networks
- Worldwide capacity on the analysis of mercury: an overview;
- Databank of mercury laboratories;
- Inter-laboratory assessment of mercury analyses in abiotic and biotic matrices

## **Highlights and Conclusions of the Project**

- \* Cost-effective methodologies to assess human exposure to and environmental concentration of mercury are well-established.
- \* It is possible to build on existing initiatives a global monitoring plan for mercury.
- The project contributed to the generation of comparable global data by producing standard operating procedures, protocols and manuals.
- The performance of laboratories undertaking mercury analyses all over the world shows potential of building on already existing captaincies and networks.
- Long-term capacity building strategies are needed to enhance the transfers of knowledge among mercury stakeholders.