

GMP1 on-line data visualization User manual

Hůlek R., Jarkovský J., Borůvková J., Kalina J., Gregor J., Šebková K., Schwarz D., Klánová J., Dušek L. Global Monitoring Plan of the Stockholm Convention on persistent organic pollutants: visualization and on-line analysis of data from the first monitoring report (2008) [online]. Masaryk University, 2013. Available from: http://www.pops-gmp.org/visualization.



Introduction

- Web site http://www.pops-gmp.org/visualization presents POPs data from environmental monitoring programmes as provided to GMP regional reports. Data are sorted by matrices, time, and compounds of interest.
- Five analytical outcomes are available:
 - World map monitoring overview;
 - Available data parameters;
 - Available data years;
 - Reported values;
 - A case study showing the data validation process for POPs atmospheric concentrations from GMP1 reports and analysis of variability and regional backgrounds for twelve parameters.

Stockholm Convention on persistent organic pollutants (POPs)	WORLD MAP - MONITORING OVERVIEW	AVAILABLE DATA - Parameters	AVAILABLE DATA - Years	REPORTED VALUES	REGIONAL BACKGROUNDS	The second second
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WORLD MAP – MONITORING OVERVIEW

An interactive map displaying monitoring activities in the individual years.

» Open the visualisation

AVAILABLE DATA – PARAMETERS

Regional availability of monitoring data on compounds of interest in key matrices.

» Open the visualisation

AVAILABLE DATA -YEARS

Regional availability of monitoring data in selected time periods.

» Open the visualisation

REPORTED VALUES

Reported concentrations in the key matrices. For air, only the concentration values reported from the background (urban, suburban, rural, remote, mountain and polar) sites were included.

» Open the visualisation

REGIONAL BACKGROUNDS

A Standard

Statistical evaluation of reported background atmospheric concentrations.

» Open the visualisation



WORLD MAP – MONITORING OVERVIEW

Matrix: Air

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AVAILABLE DATA – PARAMETERS



AVAILABLE DATA – PARAMETERS





AVAILABLE DATA – YEARS





Hover the mouse cursor over a cell to get additional information about the aggregated value. Click on the cell to show corresponding values.

AVAILABLE DATA – YEARS



REPORTED VALUES - background sites only



Reported values are shown as a box-and-whisker plot. A plot consist of minimum, maximum, mean and median. If a value is unavailable, appropriate symbol is not displayed.

REPORTED VALUES - background sites only



box-and-whisker plot to get additional information about the aggregated value.

REGIONAL BACKGROUNDS

Data Validation Inter-regional Variability

Use these buttons to switch between data validation and inter-regional variability





REGIONAL BACKGROUNDS



Total median: 1.813 pg/m3 Total geometric mean: 2.173 pg/m3 Total 25th percentile: 0.35 pg/m3 Total 75th percentile: 4.33 pg/m3

> Hover the mouse cursor over a box-and-whisker plot to get additional information about the aggregated value.

- Previous slides are based on randomly generated data and are provided just for demonstration purposes of the tools available in the on-line visualisation.
- Please use the link

http://www.pops-gmp.org/visualization to access the on-line reporting tool.