

Global POPs contamination-

Trends in concentrations of POPs in humans and the environment



Global Workshop on **Developing, revising and updating National Implementation Plans (NIPs)** under the Stockholm Convention

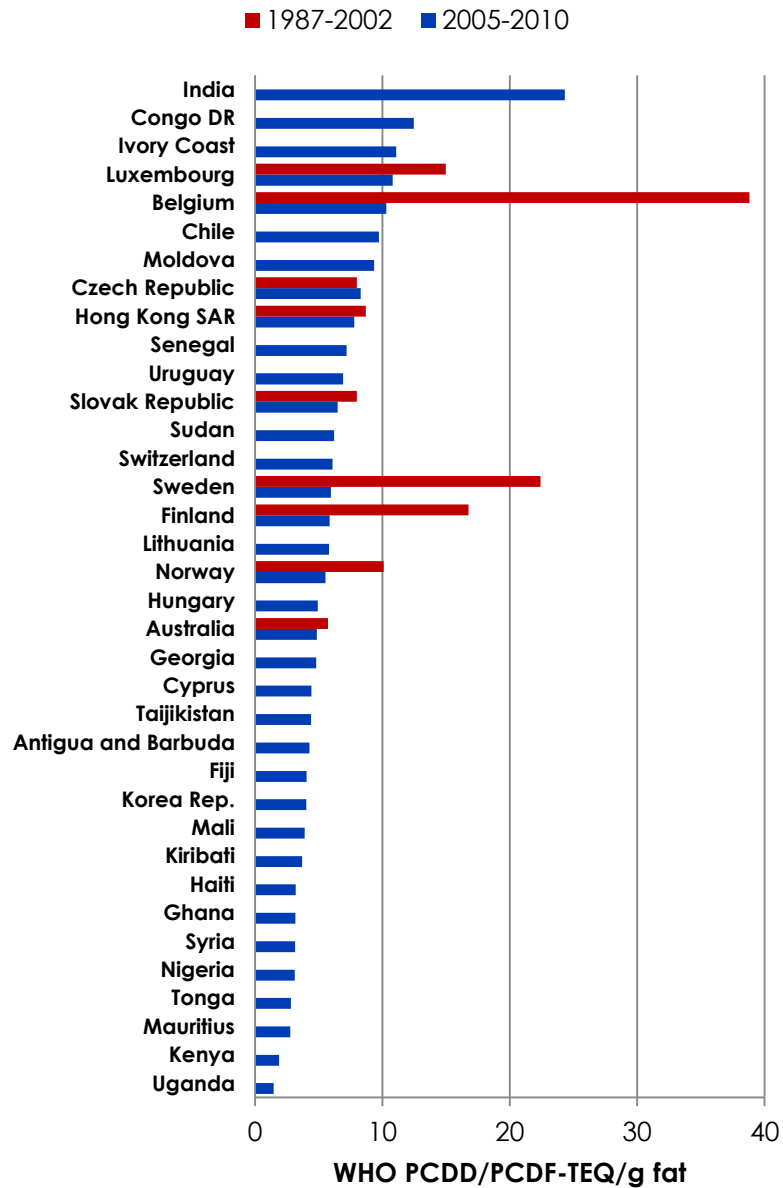
Secretariat of the Basel, Rotterdam and Stockholm Conventions

GLOBAL MONITORING PLAN FOR POPS

What are the GMP data telling us?

- The presence of POPs is ubiquitous
- If measures are implemented to reduce or eliminate releases of POPs the concentrations in humans and the environment are decreasing

CONCENTRATION OF DIOXINS AND FURANS IN HUMAN MILK PG TEQ/G FAT



Changes in levels over time

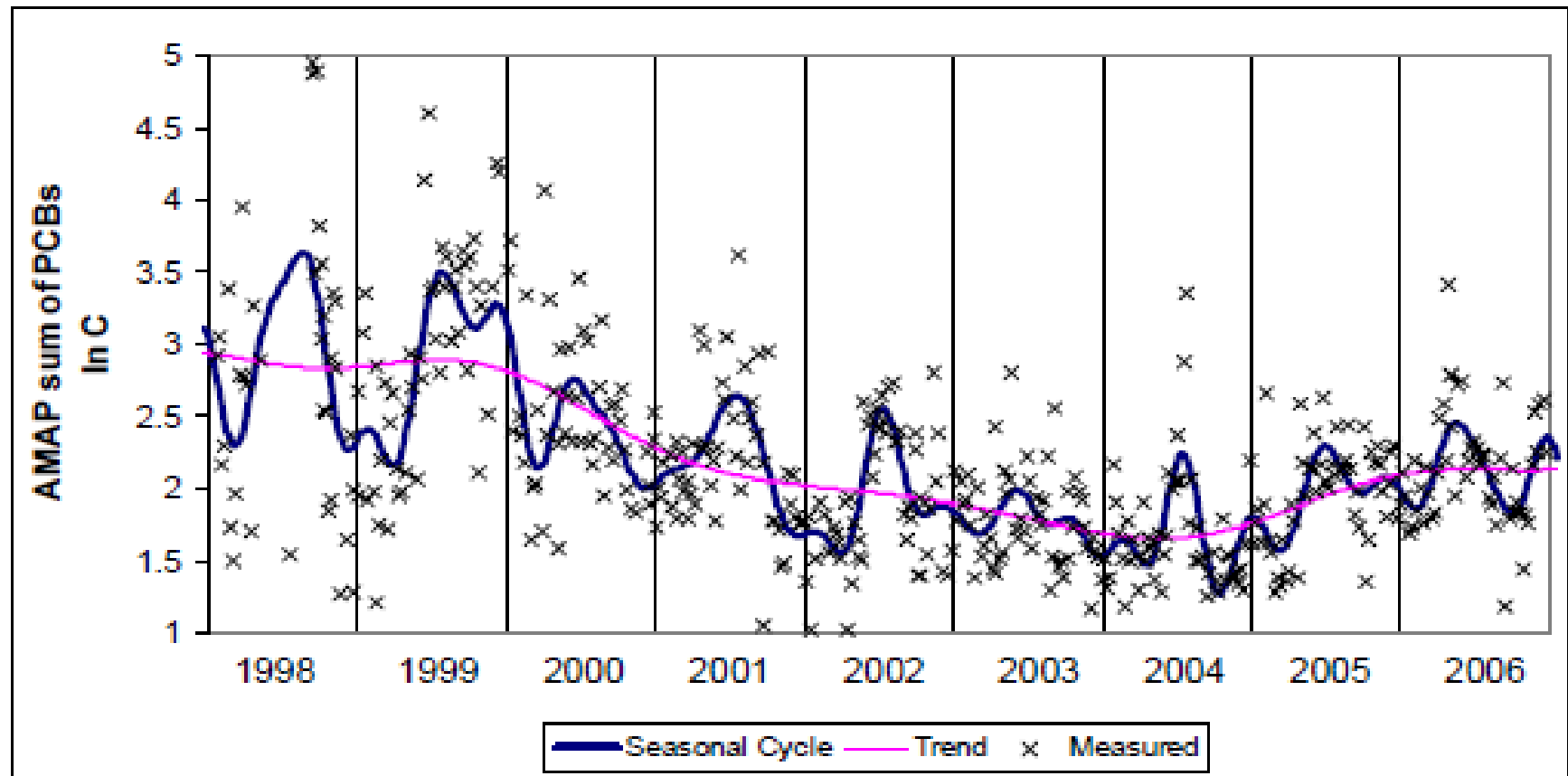


Figure 4: DF analysis of PCB levels in Zeppelin air [pg/m^3] from 1993 – 2006. Measured data, seasonal cycles and trend line is presented.

TRENDS – DIOXINS (JAPAN)

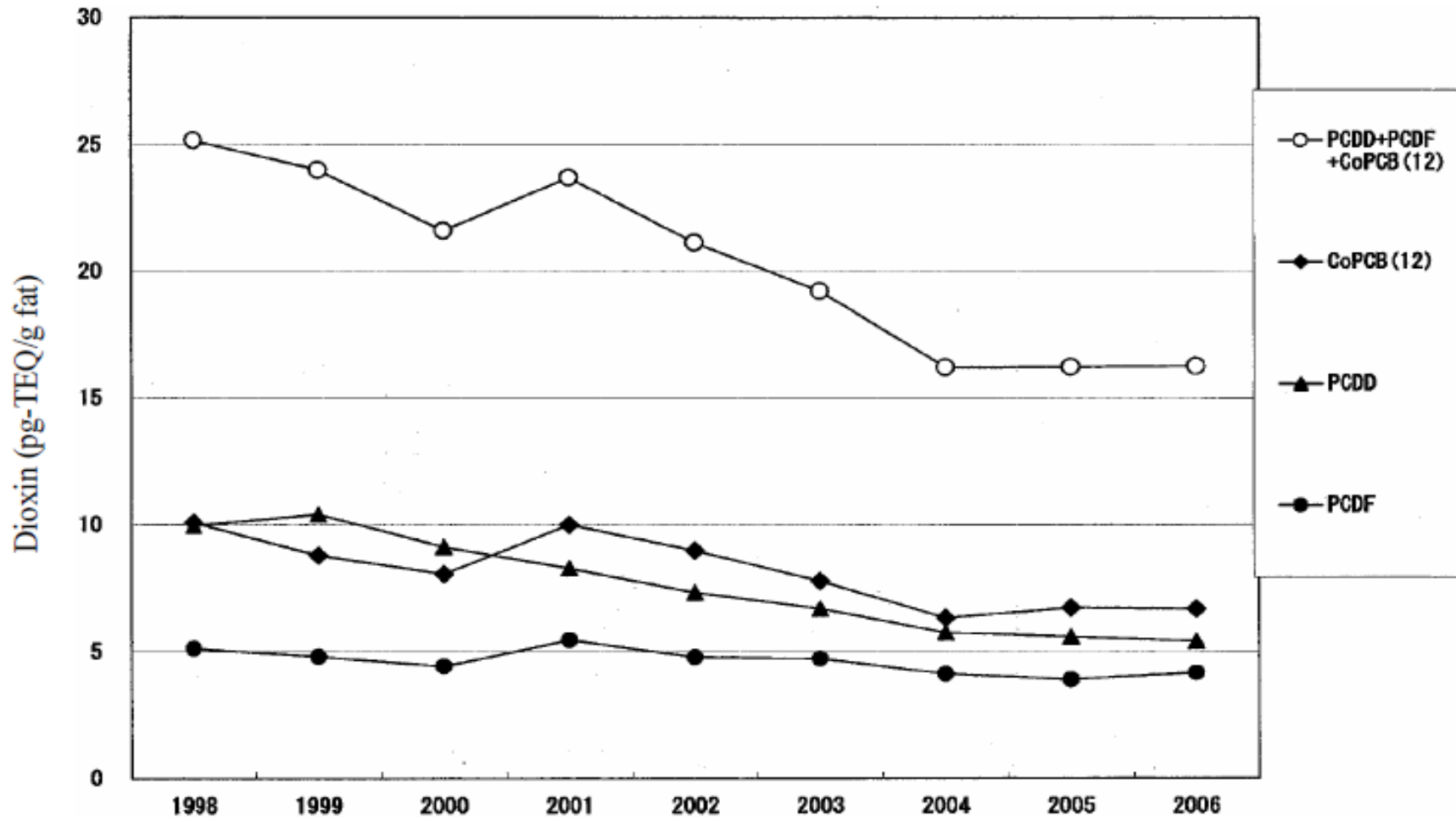
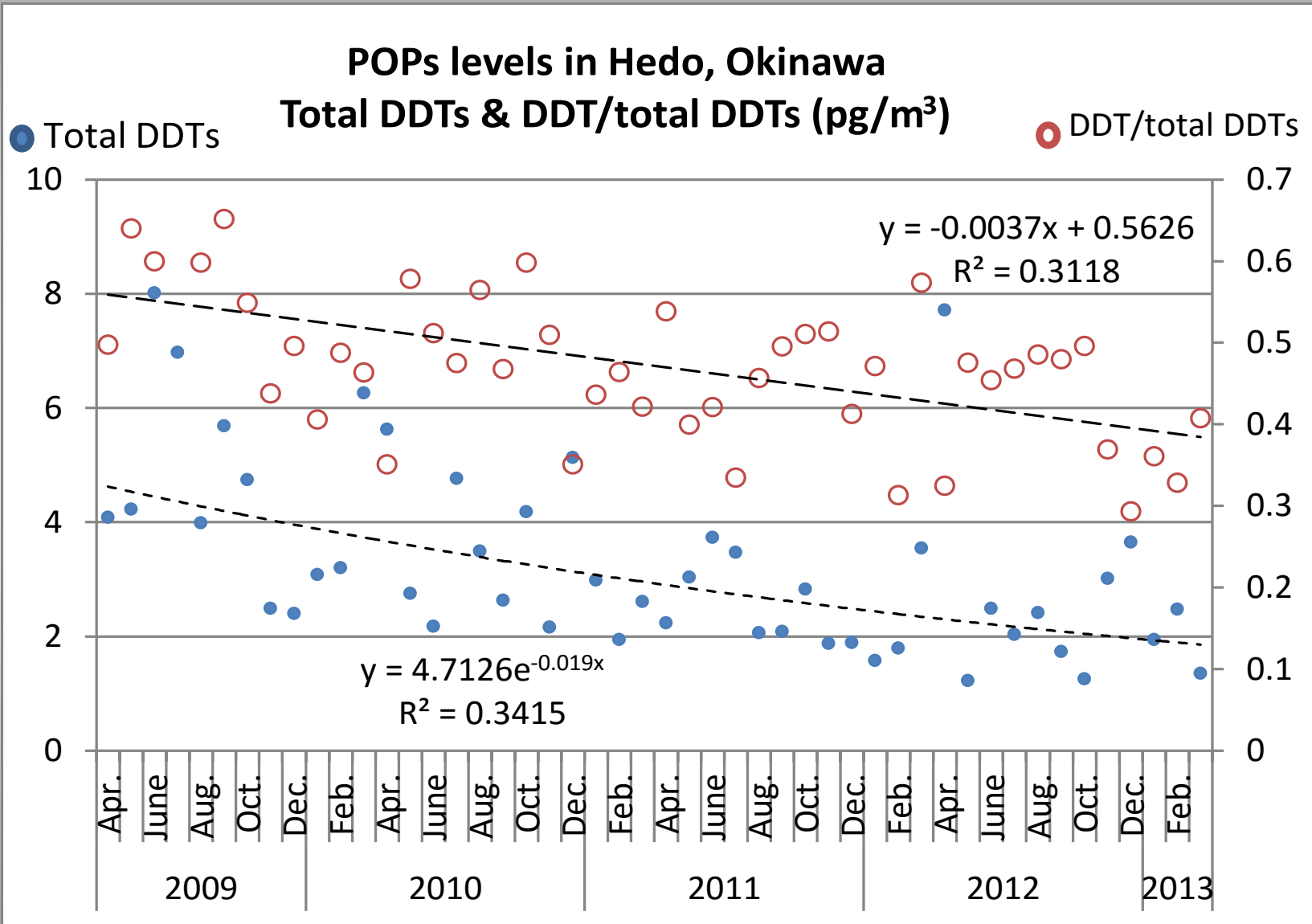
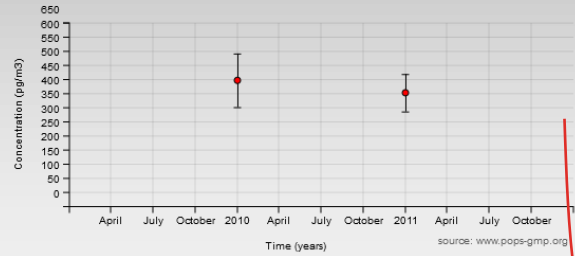


Figure D.2-1 Temporal trends of the dioxins concentration in the human milk in Japan (Iwate, Chiba, Niigata, Ishikawa, Osaka and Shimane prefectures)

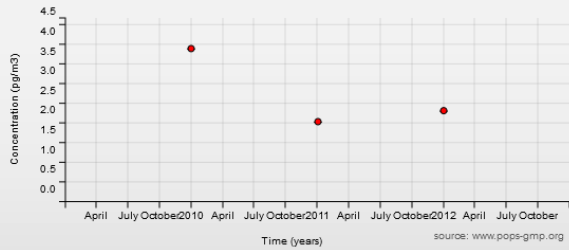
Trends – DDT, Japan



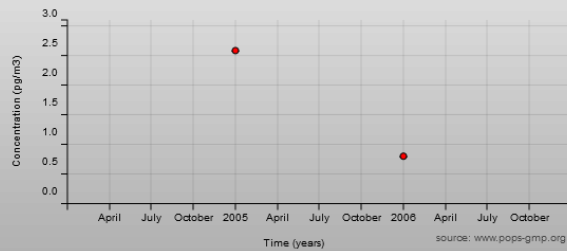
CHANGES OVER TIME IN AIR CONCENTRATIONS OF INDICATOR PCB (SUM 6 PCB)



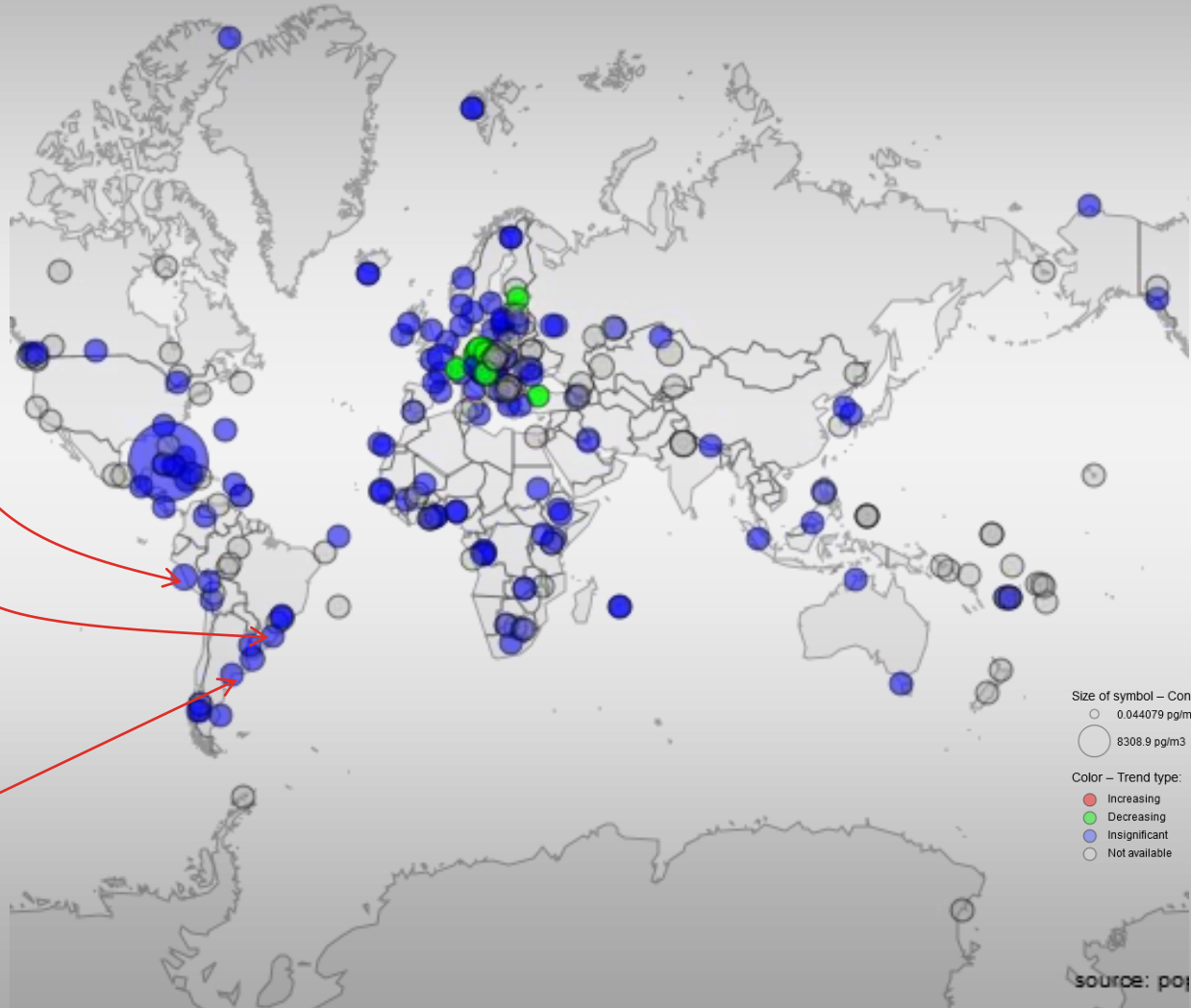
Lima, Peru



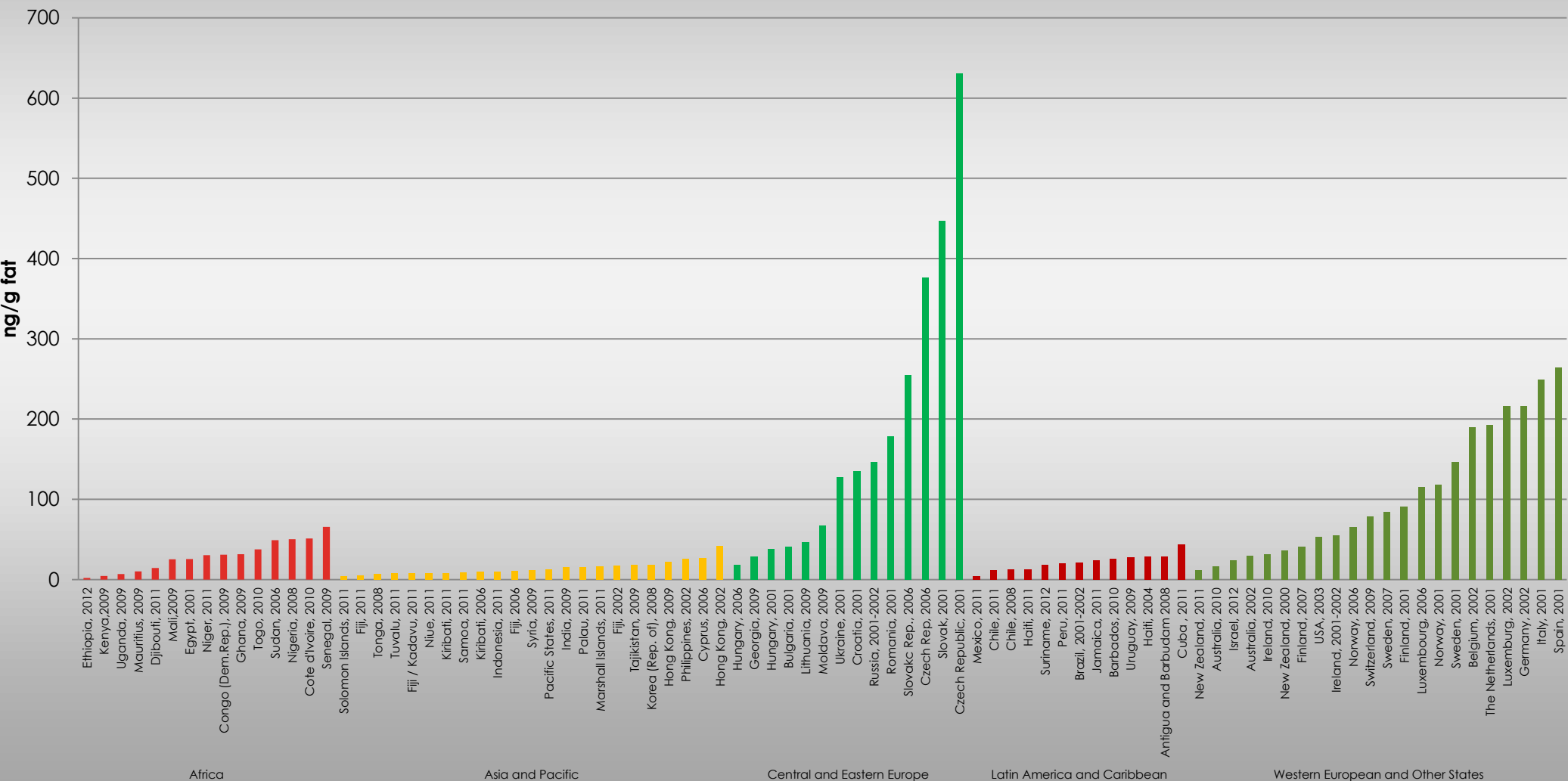
Sao Jose, Brazil



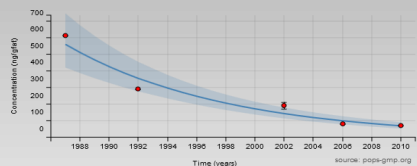
Bahia Blanca, Argentina



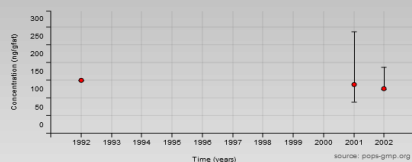
CONCENTRATIONS OF INDICATOR PCB IN HUMAN MILK (SUM 6 PCB)



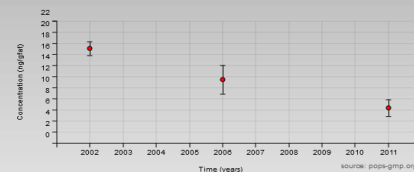
CHANGES OVER TIME IN CONCENTRATIONS OF INDICATOR PCB IN HUMAN MILK (SUM 6 PCB)



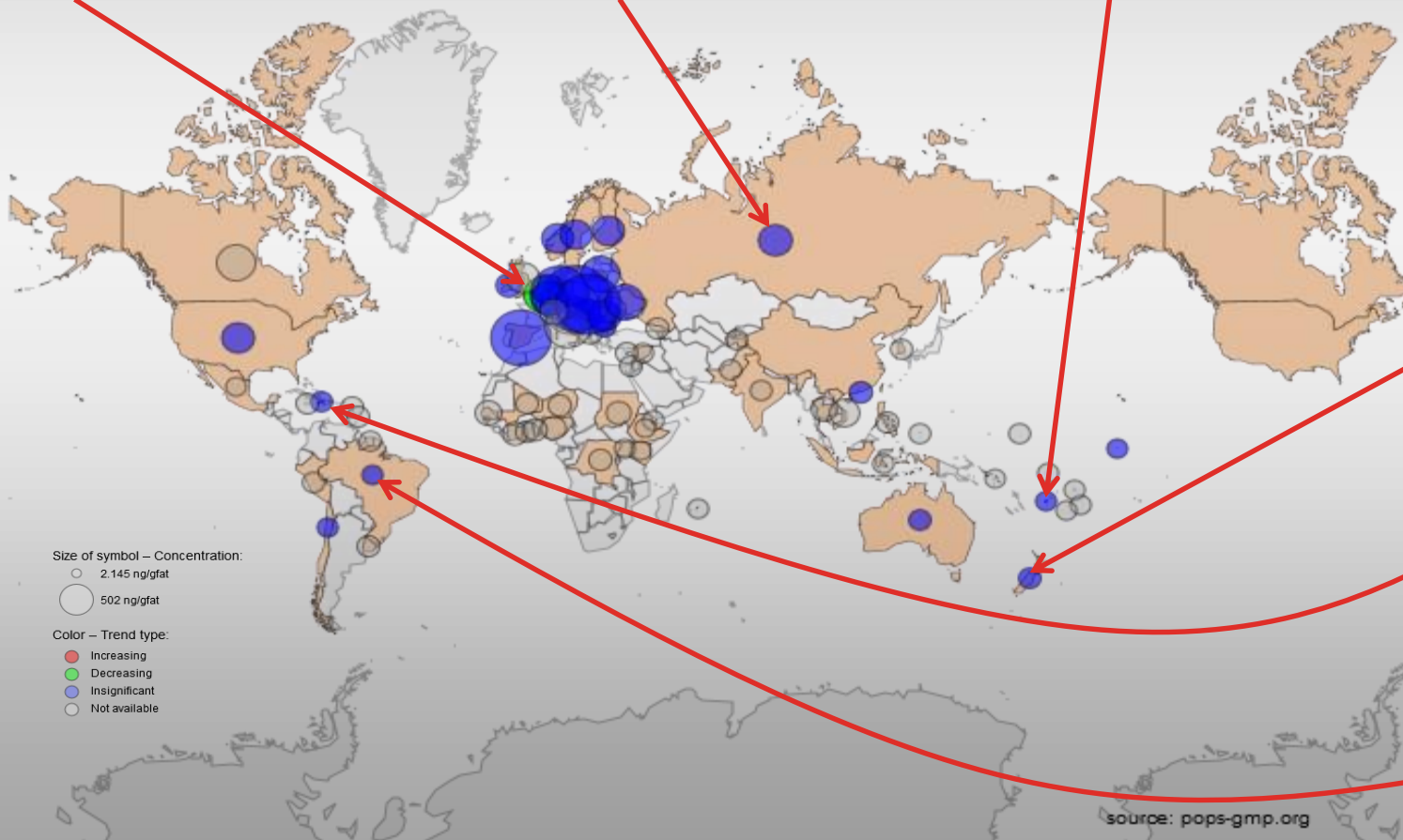
Belgium



Russian Fed.

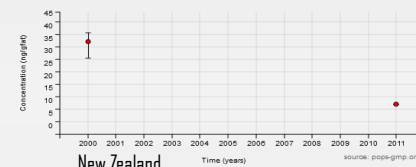


Fiji

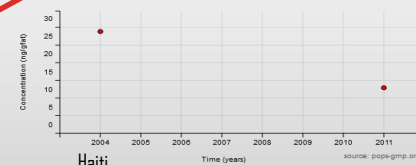


Size of symbol – Concentration:
 ○ 2.145 ng/gfat
 ○ 502 ng/gfat

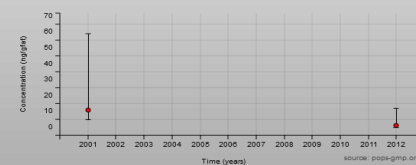
Color – Trend type:
 ● Increasing
 ● Decreasing
 ● Insignificant
 ○ Not available



New Zealand



Haiti



Brazil

source: pops-gmp.org

The worldwide implementation of the Global Monitoring Plan was made possible thanks to the generous contributions to the Stockholm Convention Voluntary Trust Fund from the Governments of Japan, Norway, Sweden, and through the European Commission's Thematic Programme for Environment and Sustainable Management of Natural Resources, including Energy (ENRTP). Further, the contribution of the projects to support POPs monitoring activities in regions, funded through the Global Environment Facility (GEF) and the Strategic Approach to International Chemicals Management (SAICM), is greatly acknowledged. Monitoring activities, and data collection and analysis are implemented in the five UN regions in cooperation with strategic partners and through involvement of Regional Organization Groups and Global Coordination Group.

MORE INFORMATION AT:

chm.pops.int

The screenshot displays the Stockholm Convention website interface. At the top, there are navigation tabs for 'Basel Convention', 'Rotterdam Convention', 'Stockholm Convention', and 'Synergies'. The main header features the Stockholm Convention logo and the text 'STOCKHOLM CONVENTION' and 'Protecting human health and the environment from persistent organic pollutants'. Below the header is a navigation menu with 'HOME', 'THE CONVENTION', 'PROCEDURES', 'IMPLEMENTATION', 'COUNTRIES', and 'PARTNERS'. A search bar is located on the right. The breadcrumb trail reads 'You are here: Stockholm Convention > Implementation > Global Monitoring Plan > Monitoring Activities'. On the left, a sidebar menu lists 'GMP' sub-items: Overview, Decisions, Regional organization groups, Monitoring Activities (highlighted), Monitoring Reports, Meetings, Capacity building, Additional Resources, and Partnerships. The main content area is titled 'Monitoring Activities' and contains the following text: 'Monitoring activities under the global monitoring plan are focused on generating measurement data from core media: ambient air, human milk and human blood, and surface water for water-soluble POPs (perfluorooctane sulfonic acid, its salts and perfluorooctane sulfonyl fluoride)'. It also states that monitoring data from the first phase is available through the 'GMP data warehouse' and that data from the second phase will be accessible by 2015. A link 'Click here to access the GMP data warehouse.' is provided. Below the text is a graphic titled 'GMP DATA WAREHOUSE' featuring a globe icon and four circular icons labeled 'AIR', 'HUMAN BLOOD', 'WATER', and 'HUMAN MILK'.