

### Global POPs contamination-

Trends in concentrations of POPs in ambient air and human milk

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#### **GLOBAL MONITORING PLAN FOR POPS**

#### **Second Global POPs Monitoring report**

will be presented in May 2017 at the 8th meeting of the Conference of the Parties to the Stockholm Convention

#### 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

#### Changes in levels over time

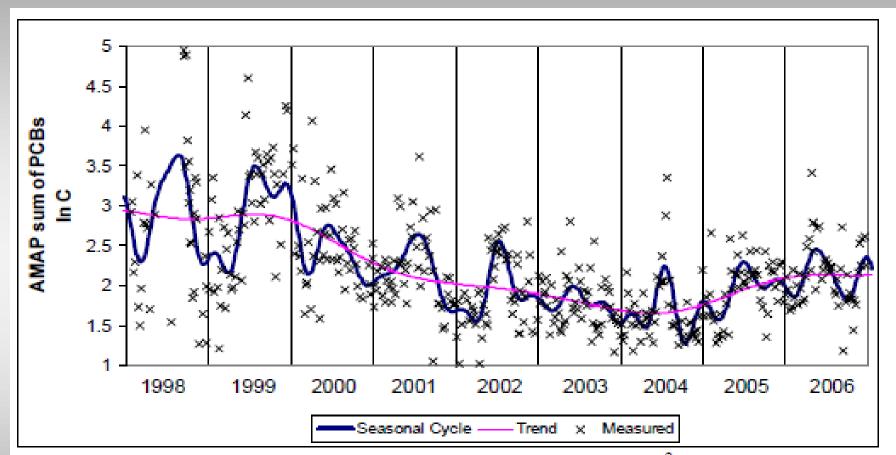


Figure 4: DF analysis of PCB levels in Zeppelin air [pg/m³] from 1993 – 2006. Measured data, seasonal cycles and trend line is presented.



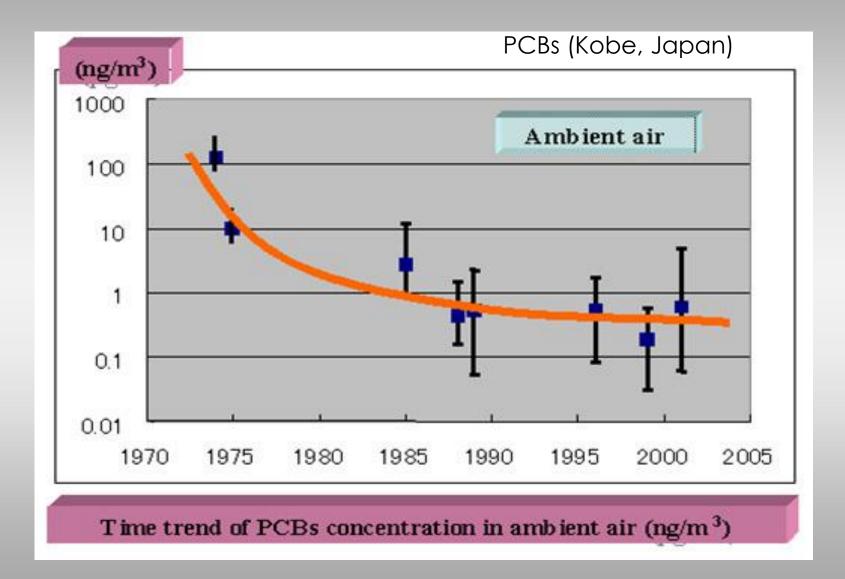








#### Changes in levels over time





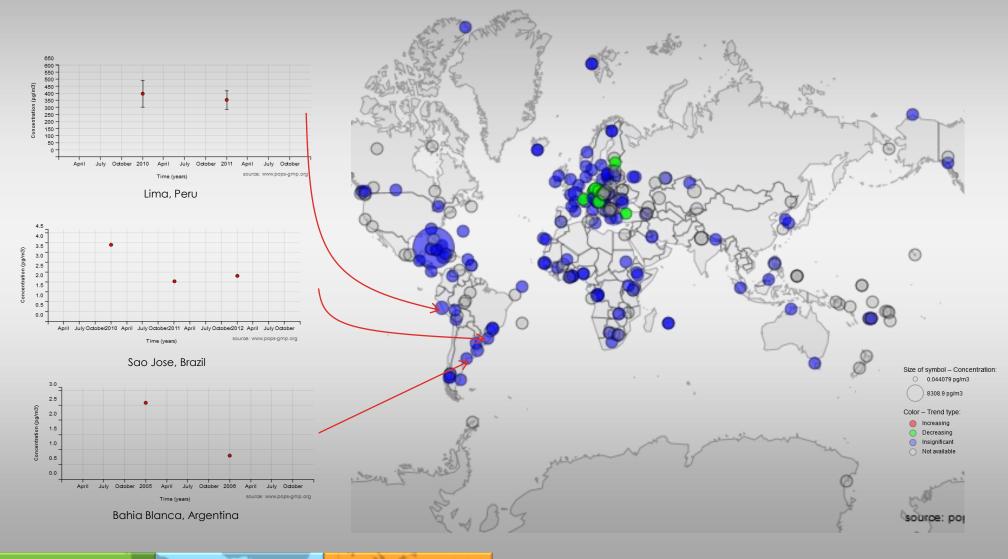




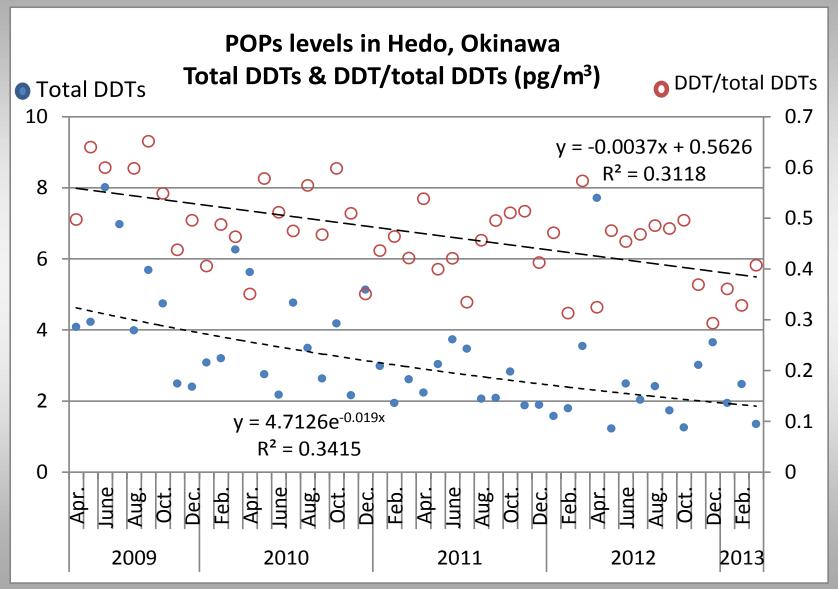




# CHANGES OVER TIME IN AIR CONCENTRATIONS OF INDICATOR PCB (SUM 6 PCB)



#### Trends – DDT in air, Japan





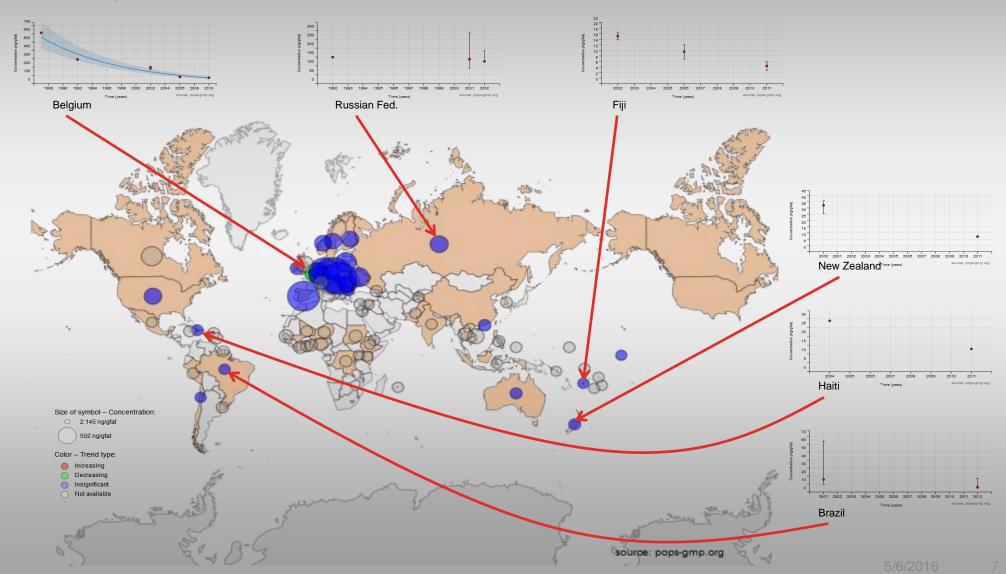








### CHANGES OVER TIME IN CONCENTRATIONS OF INDICATOR PCB IN HUMAN MILK (SUM 6 PCB)



#### TRENDS - DIOXINS (JAPAN)

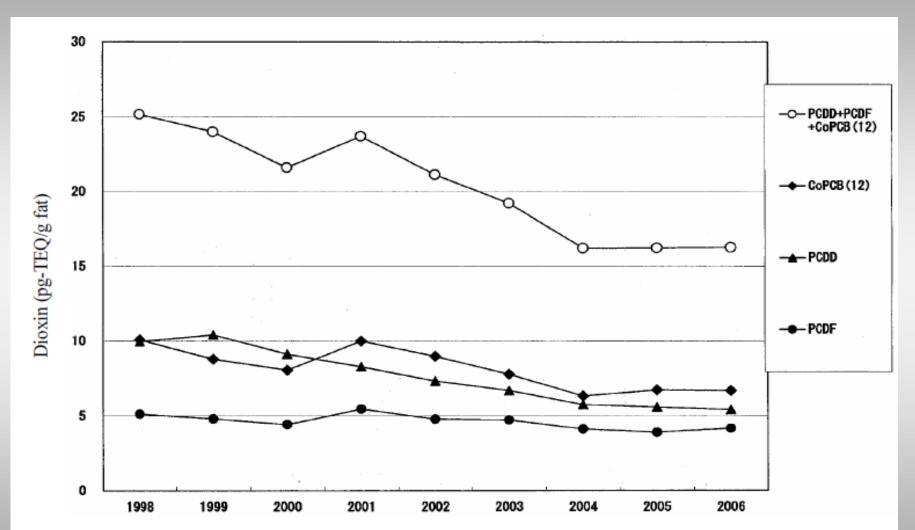
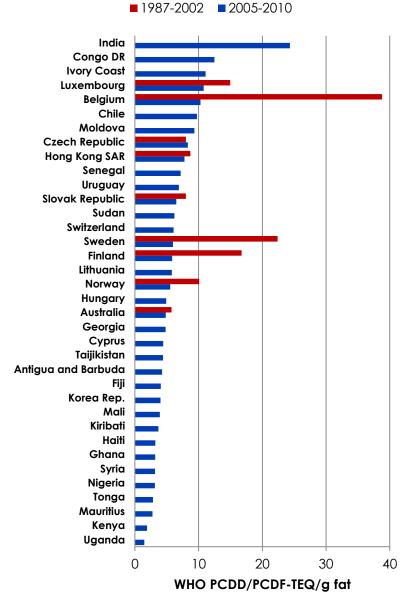


Figure D.2-1 Temporal trends of the dioxins concentration in the human milk in Japan (Iwate, Chiba, Niigata, Ishikawa, Osaka and Shimane prefectures)

Reference: Tada, H. Research for survey on Dioxins pollution in human milk and effect on development of breast-fed infant Summary Report, FY 2006. Research on Food Safety, March 2007, Health Labour Sciences Research Grant

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









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#### **MORE INFORMATION AT:**

#### chm.pops.int



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