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CEUREG FORUM XIII

15-16.10.2009, POZNAŃ, POLAND

OBSOLETE PESTICIDES – GLOBAL PROBLEM

10th HCH FORUM

(BRNO, Czech Republic 6-10.09.2009)



10th INTERNATIONAL HCH and PESTICIDES FORUM

**„How many obsolete pesticides have been disposed
of 8 years after signing the Stockholm Convention”**

Organized by:

- ☐ **International HCH and Pesticides Association (IHPA)**
- ☐ **Masaryk University, Brno, Czech Republic
(Research Centre for Environmental Chemistry and Ecotoxicology –
Recetox)**
- ☐ **Ministry of the Environment of the Czech Republic**

120 participants from 40 countries



OBSOLETE PESTICIDES

- ❑ **definition:** pesticides become obsolete when they can no longer be used for their intended purpose because of:
- their prolonged impact on the environment
 - cannot be used due to their age
 - cannot be used due to decomposition
 - change in chemicals currently used

why HCH?

global usage of lindane for the period from 1950-2000 (agricultural purposes, forestry, human health, others) is 600 th tonnes

it means 5 millions tonnes of HCH production waste could be present world-wide

several million tonnes of technical HCH have been used

far more than the tonnage of any other pesticides used in history



THE SCALE OF THE PROBLEM

- ❑ difficult to estimate exact quantities of obsolete pesticide (OPs)
- ❑ lack of documentation
- ❑ many countries are in the process of inventorying

300 th tonnes OPs

+ contaminated soil?

clean-up costs /tonne = ~3000 EUR

total cost 900 millions EUR

RISK

to: public health (drinking water resources)
animals health
environmental quality
agricultural production and trade



POLAND – „RUDNA GÓRA” LANDFILL IN JAWORZNO

- ❑ **Total area: 20 ha**
- ❑ **160 thousand of waste of which 88 000 is hazardous**
 - **wastes produced as a result of organochlorine syntheses insecticides(DDT, lindane, tetradifon, metoxychlor)**
 - **breakdown of other pesticide products**
 - **post-synthesis waste**



TOMBS IN POLAND

- ❑ Tombs where built in the 70's.
- ❑ Unwanted pesticides including POP's.
- ❑ Local hot-spots which contaminate the environment.
- ❑ ~ 300 tombs in Poland – now 120.
- ❑ 25 000 tonnes – now 5 000 – 7 000 tonnes.

































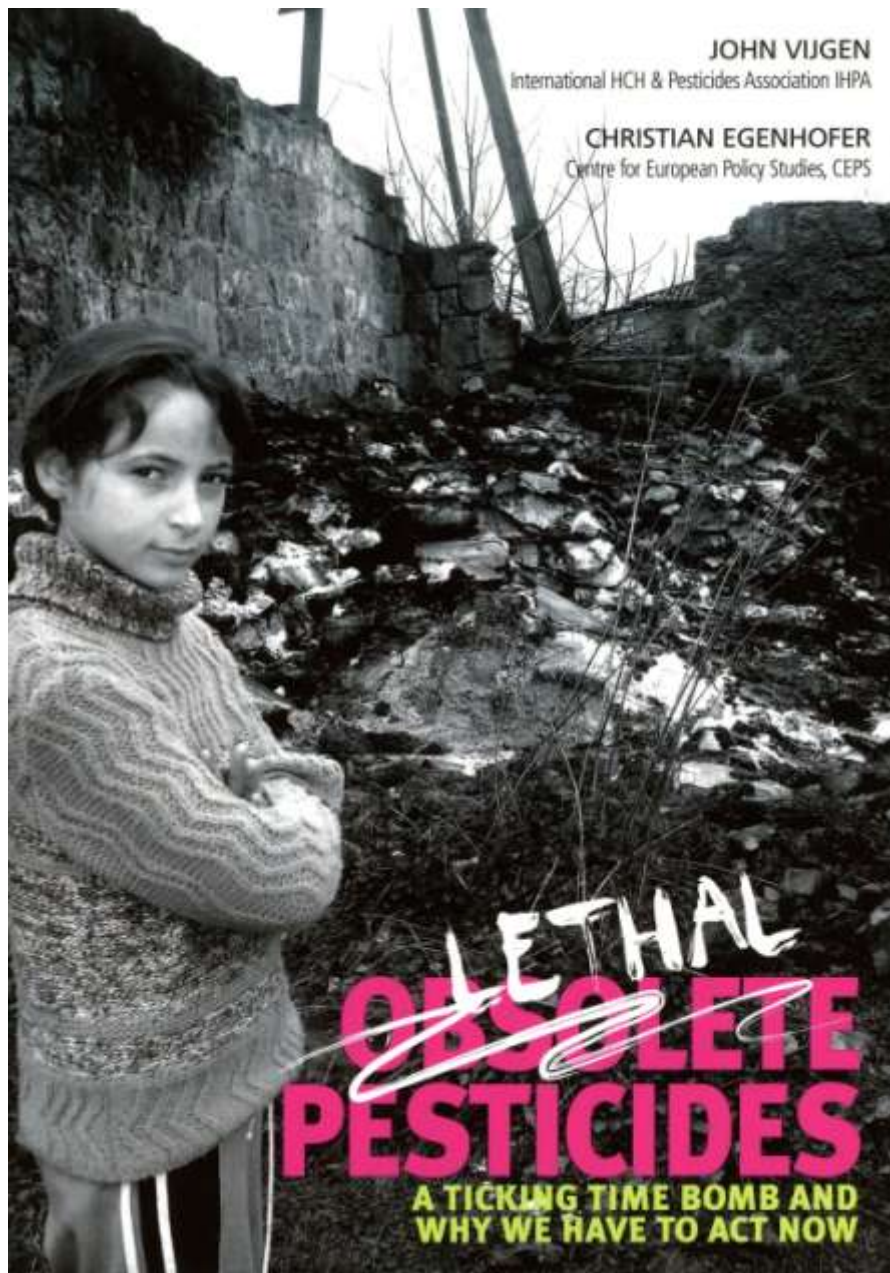












Danuta Hübner
EU Commissioner for Regional Policy
2007:

Obsolete pesticide stocks not only present a hazard to public health but can also contaminate natural resources and stand in the way of socio-economic development.

The more we wait to address the problem with effective measures, the more expensive and difficult will be the solution later.

HCH and PESTICIDES FORUM

- History:**
- 1st Forum, 1992, Zwolle, The Netherlands**
 - 2nd Forum, 1993, Magdeburg, Germany**
 - 3rd Forum, 1994, Bilbao, Spain**
 - 4rd Forum, 1996, Poznań, Poland**
 - 5th Forum, 1998, Bilbao, Spain**
 - 6th Forum, 2001, Poznań, Poland**
 - 7th Forum, 2003, Kiev, Ukraine**
 - 8th Forum, 2005, Sofia, Bulgaria**
 - 9th Forum, 2007, Chisinau, Moldova**
 - 10th Forum, 2009, Brno, Czech Republic**



The international HCH and pesticides forum is a technical forum open for discussion and interaction for the pesticides manufacturing industry, international, national and regional authorities, NGO's, research and development institutes, contractors, consultants and other interested parties

Main organizer:

IHPA

International HCH and Pesticides Association

www.ihpa.info



10th INTERNATIONAL HCH and PESTICIDES FORUM

8 sections, 80 presentations (available on IHPA website)

Section 1	HCH and other pesticides global and regional problems
Section 2.	POPs management in the Czech Republic – experiments, ...
Section 3.	Pesticide waste management
Section 4.	Obsolete pesticides and POPs – destruction technologies
Section 5.	OCPs and other POPs monitoring, modelling, risk assessment
Section 6.	Remediation of contaminated sites
Section 7.	Public participation – capacity building
Section 8.	Special workshop for Central Asia countries: Problems and initiatives for solutions on obsolete pesticides



10th INTERNATIONAL HCH and PESTICIDES FORUM STATEMENT

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The participants call upon the European Commission, the European Parliament and the Member States, the United Nation Institutions, World Bank and other bilateral and multilateral donors to

1. recognise the growing momentum and desire among governments and civil society to eliminate and prevent POPs, obsolete pesticides and hazardous chemical stockpiles and to financially support national and regional initiatives in this area
2. improve the dialogue on the scale and urgency of the problem and possible solutions

There is a great need for a global strategy on dealing with obsolete pesticides.

There are a considerable risks of not acting.

We have to act now!!!

