



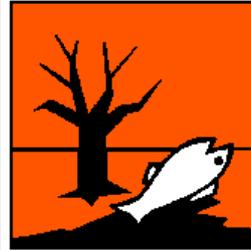
Preliminary Inventory of Persistent Toxic Substances

Present and future

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Department of Sustainable Development
Washington D.C., March 21st 2007

What are PTS?

- Toxic substances for humans and the environment.



- They can accumulate in living organisms (*bioaccumulation*)

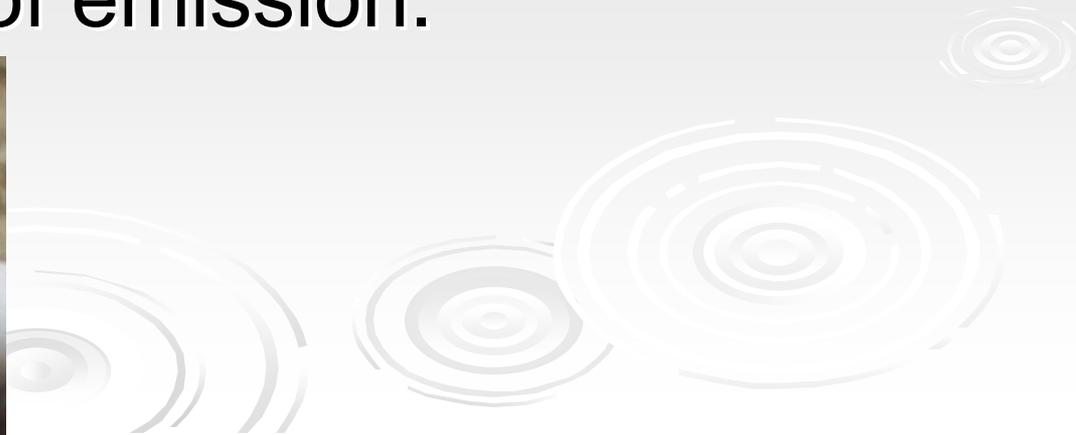


What are PTS?

- They can accumulate in soil, water, air, sediments



- They can be transported long distances from the source of emission.



Well known PTS

➤ DDT



➤ Mercury, Lead, Asbestos



Not-known (but well used) PTS

- PCB (polychlorinated biphenils)



- Aldrin, Mirex



Approaches to PTS

➤ Toxicity for humans



➤ Risks for the environment



➤ Use, consumption



Institutions involved

➤ Ministry of Health

➤ Ministry of Environment

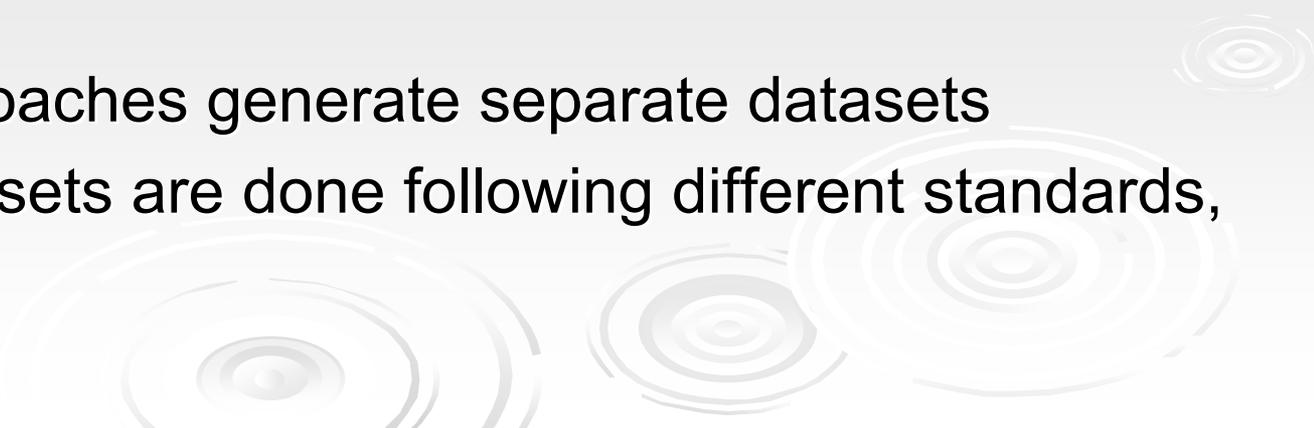
➤ Ministries of Trade, Energy,
Mining, Agriculture

➤ DSD has chosen the *Use* approach

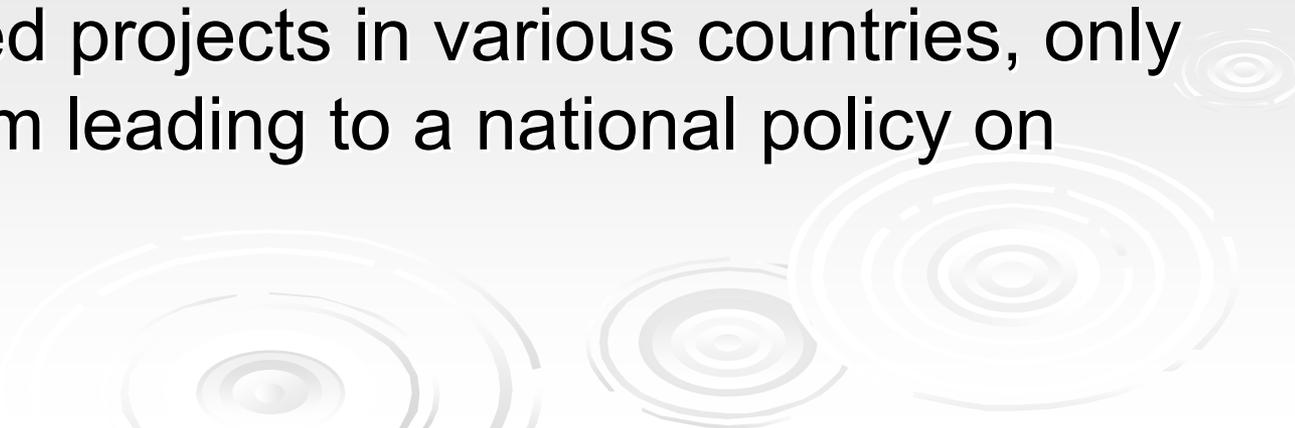
➤ Anyhow, overlap between approaches is inevitable

➤ Different approaches generate separate datasets

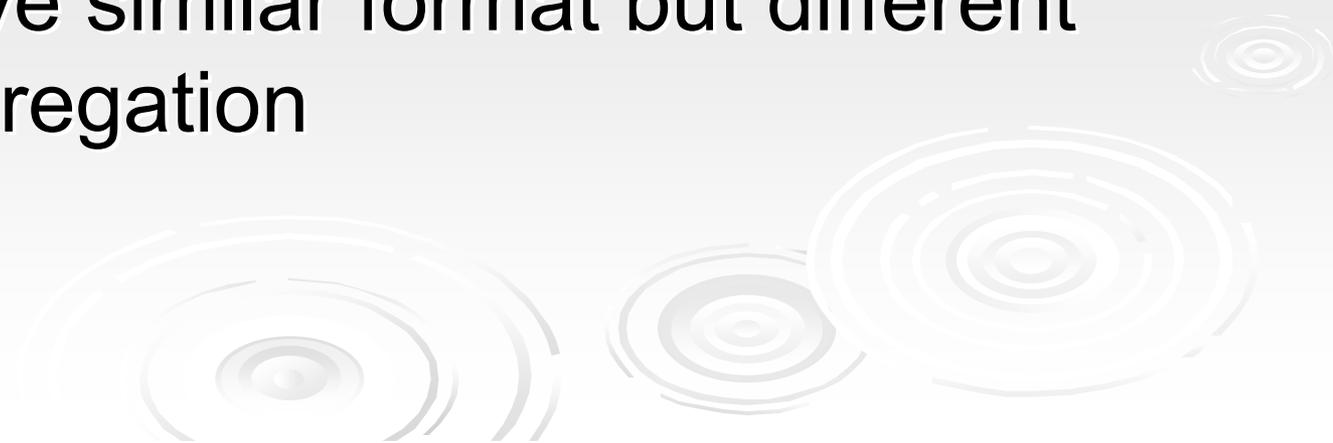
➤ Separate datasets are done following different standards,
classifications



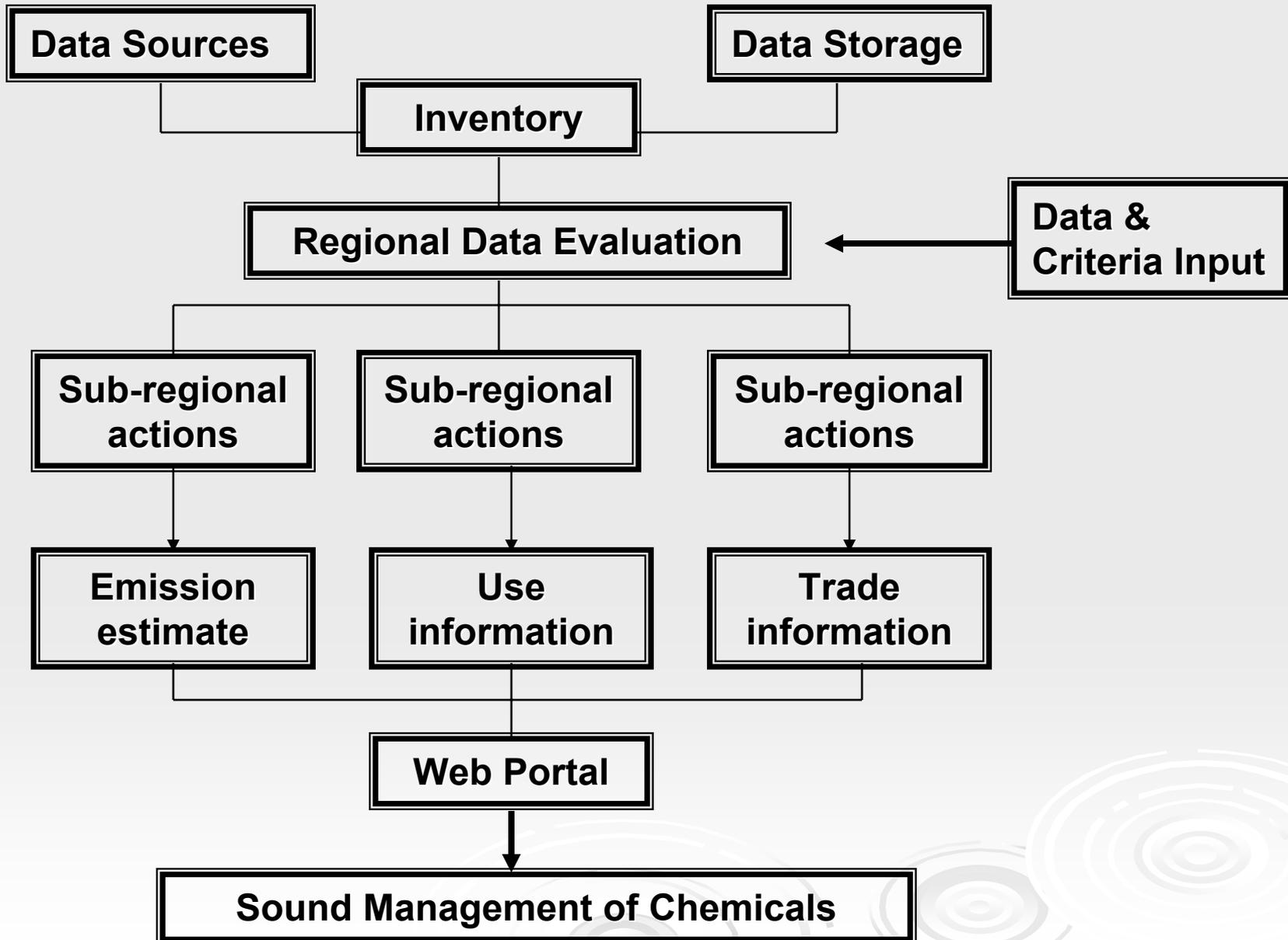
Situation in LAC

- 1) Regional Assessment of Sources of PTS
 - 2) 16 National Profiles
6 National Implementation Plans
 - 3) Mexico has linked initiatives with the U.S. and Canada (Inventory of Pesticides, data gathering)
 - 4) Pesticide Control Boards in various countries
 - 5) PTS-related projects in various countries, only one of them leading to a national policy on chemicals
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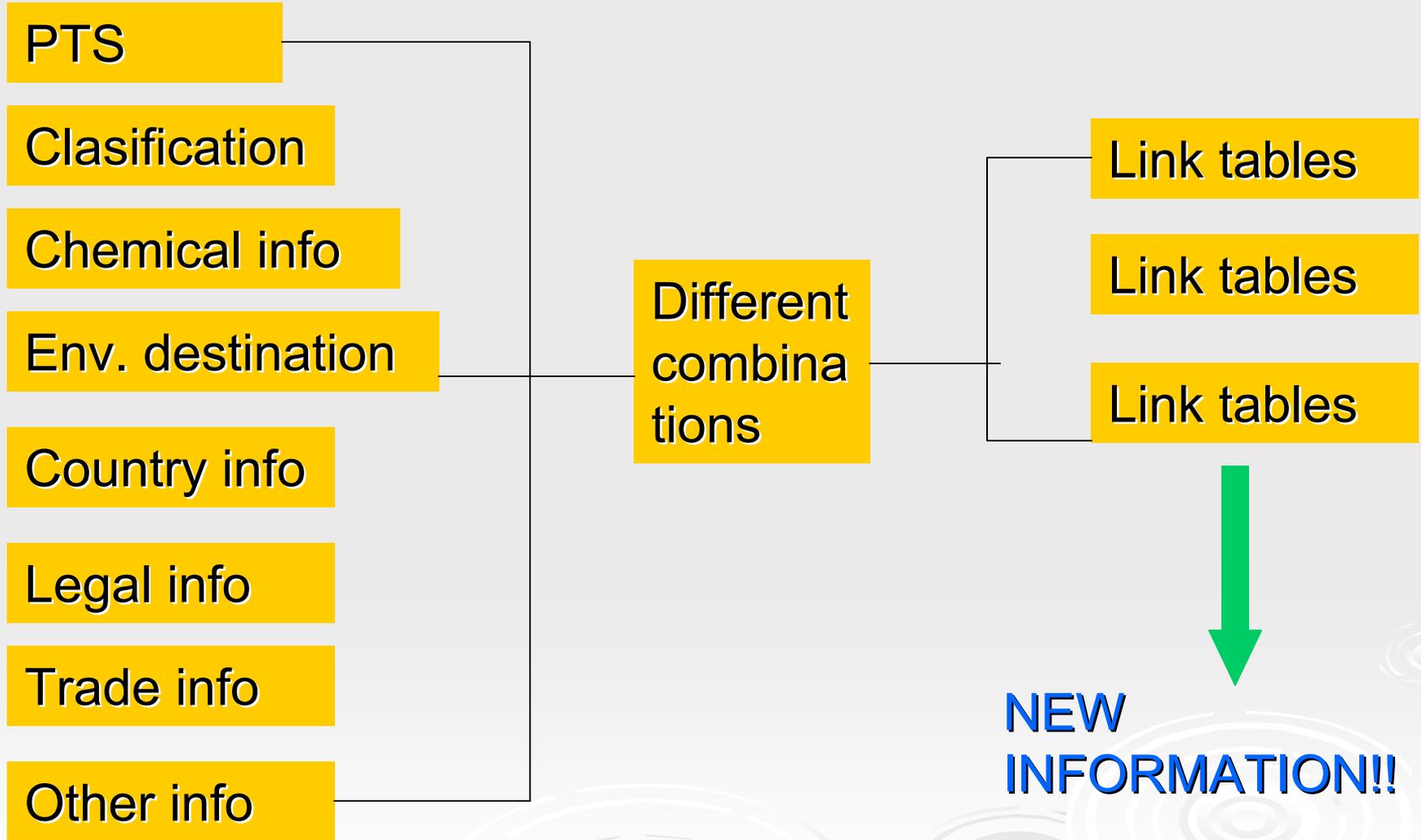
Situation in LAC

- 1) Important data gaps: specific information on substances, production, emissions, metadata
 - 2) Different classifications used (HS, SITC, BEC)
 - 3) Different accuracy of data by country
 - 4) NIPs have similar format but different data aggregation
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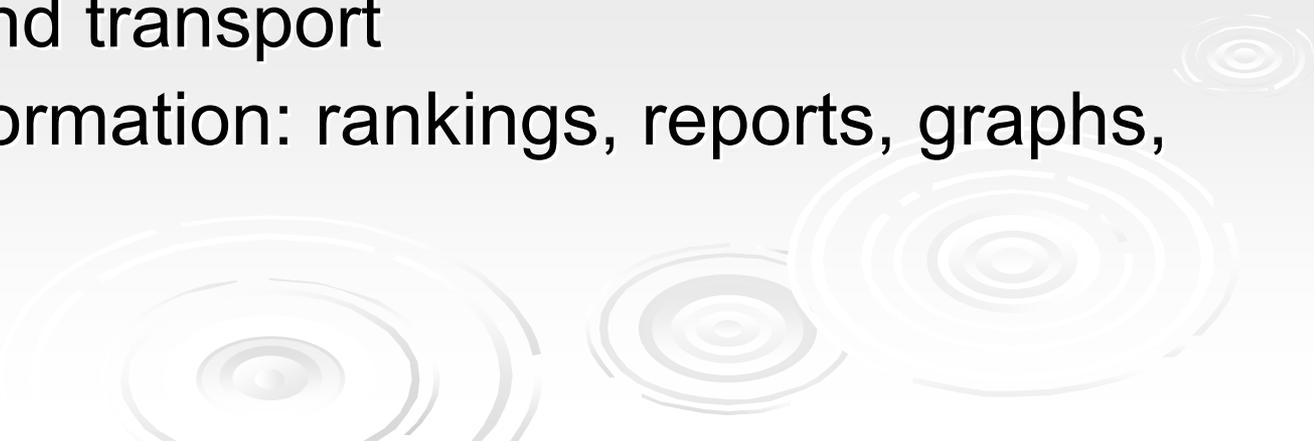
PTS Database OAS



DSD Database



PTS Database OAS

- Specific chemical information:
 - max. concentration allowed by law
 - effects of exposition
 - PTS-containing products
 - types of substances
 - Information for the public: algorithms on exposition
 - Information for industry: algorithms on emissions
 - Information for managers: algorithms on emissions and transport
 - Regional information: rankings, reports, graphs, tables
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Challenges

- Validation by the countries
- Launching the web portal
- Satisfaction of users
- Maintenance of the portal
- Generation of projects

