Views on Chemicals Management and Sustainable Development in the Future

Chemicals Issues of Importance for Sustainable Development
UNEP Learning Center, CSD19

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Moving toward the future

- Fully implementing what we already have
- Back to the future in agriculture
- Thoughts about a sustainable industry
Implementing Rio Principles

Rio Principle 10
Civil society participation in decision-making
Access to information

Rio Principle 13
Liability and compensation

Rio Principle 15
Precautionary principle

Rio Principle 16
Polluter Pays
Implementing Polluter Pays

Donor governments cannot satisfy funding needs
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Economic instruments with earmarking
Implementing Polluter Pays

Donor governments cannot satisfy funding needs

Economic instruments with earmarking

Industry role in financing chemical safety

Global turnover of the industry = USD $3 trillion
Nominal levy 0.1% = USD $3 billion
Implementing the Stockholm Convention

Article 6: Stockpiles and wastes
  Recycling exemption

Article 10: Public information, awareness and education
  NGO-executed projects

Article 13: Financial resources
  Needs assessment
Implementing Basel and Rotterdam

Basel Ban Amendment

Rotterdam and chrysotile asbestos
Back to the future in agriculture
Back to the future in agriculture

World Bank Study; Andhra Pradesh, India

> Ecological agriculture practices; no pesticides
> 10 crops including cotton, rice, and maize
> In 4 years: >300,000 farmers; 1.36 million acres; 5% of cropped area in state
> Reduced costs by 2/3

“...significant net increase in farmers’ incomes in addition to significant health and ecological benefits...without significantly reducing the productivity and yields.”
Back to the future in agriculture

International Assessment of Agricultural Knowledge, Science, and Technology for Development

> agroecology to realize right to food
> re-orient spending: extension service, rural infrastruct
> decentralized participatory research
> improve sustainable agriculture access to markets: procurement, credit, farmers’ markets
Sustainable production characteristics

University of Massachusetts – Lowell

- non-polluting
- conserving of energy and natural resources
- economically viable
- safe and healthful for workers, communities, and consumers
- socially and creatively rewarding for all working people
Towards a sustainable industry

- innovative chemicals
- eliminate use or generation of hazardous substances
- entire lifecycle considered: design, production, use, and end of life
- eliminate pollution
- zero waste
- minimize energy use and material consumption
- provide safe and healthy workplaces and communities economically viable
Summary

Policy into practice needed for existing agreements
Ecological agriculture as key for future actions
High expectations about transformation in industry
Thank you

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