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

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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 infrastruc

>decentralized participatory research

>improve sustainable agriculture access to markets: procurement, credit, farmers' markets

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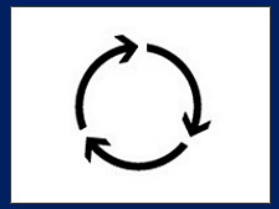
Sustainable production characteristics

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

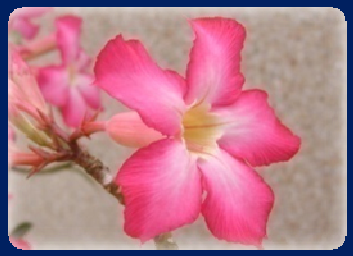
Summary

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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