Over the years, the contributions of the IPPC Community to environmental protection

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Outline

1. History of the IPPC
2. Climate change and pests
3. Ozone Secretariat: Montreal Protocol: Methyl bromide
4. Convention on Biological Diversity: Invasive Alien Species (IAS) and Living Modified Organisms (LMO)
History of the IPPC

1881 concept

1951 FAO agreed
1952 came into force

1992 FAO provided Secretariat,
started setting standards

1997 revision adopted by FAO
2002 came into force

1989 SPS recognized our standards, guidelines and recommendations

183 contracting parties
Purpose of the IPPC

Securing common and effective action to prevent the spread and introduction of pests of plants and plant products

- surveillance of growing plants, including both areas under cultivation and wild flora
- plants should be understood to continue to include algae and fungi
Climate Change and pests

Climate change may:

- alter pest distribution, open up new areas
- alter plant emergence and cause greater impacts
- a reduction in the effectiveness of pesticides
- a reduction of pollinators and beneficial organisms for bio control
Climate Change and pests

Climate change may:

- cause a reduction of crops’ tolerance and resistance to pests
- cause loss of some wild relatives and genetic diversity
- a decrease in soil fertility and an increase in soil erosion that reduces the natural capacity of soils to control soil-borne pests and diseases
The IPPC Community is actively trying to make a difference:

- improving the exchange of information among contracting parties
- working together with some countries to help develop their capacity
- studying a project to increase and harmonize surveillance activities
- adopted a pest risk analysis process that is robust and can be adjusted as information changes
Climate change

Projected impact of climate change on agricultural yields

Change in agricultural productivity between 2003 and the 2080s

Source: Cline W., 2007, Global Warming and Agriculture.
Montreal Protocol & IPPC

1987 adopted Montreal Protocol on Substances that deplete the Ozone Layer

2002 adopted ISPM 15 Guidelines or Regulating Wood Packaging Material in International Trade

2004 ICPM-6 added the topic of alternative strategies to methyl bromide for a standard

2008 CPM-03 Replacement or reduction of the use of methyl bromide as a phytosanitary measure

CPM cited by the global community for adopting methyl bromide as an alternative treatment

CPM, proclaimed as an example to follow & joint publication
Protecting the world’s plant resources from pests

With Montreal Protocol

Without Montreal Protocol

2042

Ozone Concentration

Food and Agriculture Organization of the United Nations

International Plant Protection Convention
Convention on Biological Diversity & IPPC

1992 Convention on Biodiversity agreed
1993 entered into force

1999 ICPM-2 added topic GMO/Biodiversity/Invasive species

2000 Open-Ended Working Group on Phytosanitary Aspects of GMOs and on Invasive Species

2001 A joint consultation on IPPC-CBD collaboration
CBD & IPPC

2001 CPM-01 Recommendation on: LMOs, biosecurity and alien invasive species

2003, ISPM 11 supplement, Pest risk analysis for quarantine pests including analysis of environmental risks.

2003, ISPM 5 supplement, Guidelines on the understanding of “potential economic importance”

2003 IPPC Braunschweig workshop: Using the IPPC framework to manage IAS

2004 Memorandum of Cooperation between the CBD and IPPC Secretariats. Attending CPM & COP. Joint work plan
CBD & IPPC

2004 ISPM 11 Pest risk analysis for quarantine pests including analysis of environmental risks and living modified organisms.

2005 CPM-02 Recommendation on: Threats to biodiversity posed by alien species: actions within the framework of the IPPC

2007 Evaluation of the workings of the IPPC and its institutional arrangements

2005 Ad Hoc Technical Expert Group on Gaps and Inconsistencies in the International Regulatory Frameworks on Invasive Alien Species

CBD & IPPC

2010 Inter-Agency Liaison Group On Invasive Alien Species

2014 CPM-04 Recommendation on: IPPC coverage of aquatic plants

2014 CPM-05 Recommendation on: Internet trade (e-commerce) in plants and other regulated articles

2014 IPPC recognized as a biodiversity convention, IPPC Secretariat joined Biodiversity Liaison Group

2015 CPM-06 Recommendation on: Sea containers
Plant Biodiversity
IPPC Community’s contribution to the environment

- Adjusting to climate change, getting prepared to adapt to new information and face the challenges
- Contributed to help protect the ozone layer
- Continue to listen to environmental concerns, addressing them and providing an infrastructure to help protect plant ecosystems, habitats and species
The IPPC Community has made a big impact on the environment