

Experiences and Challenges

Technology Information Clearinghouse Under the Montreal Protocol

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Road Map of the Presentation

Past Decade of the Experience: Implementing an MEA
Lessons Learned: Messages for other MEAs
Future Decade of Challenges: End Game under MEA





Uniqueness of the **Montreal Protocol** •MEA : RIO "minus" Five Product •First MEA to : Show signs of success **enter compliance regime** Develop integrated clearinghouse Set up network of the national focal points



Distinct Nature of Montreal Protocol's Technology Clearinghouse

Mandated by the Parties

An essential precursor to enable universal compliance

Financially supported by Parties

UN agency renders transperancy and neutrality

Regular evaluation and impact assessment



Getting There: Progressive Ratification

183 countries representing 99.99% of the global population





Getting There: Financial Assistance under the Multilateral Fund



Source: Inventory of Approved Projects, as of 35th ExCom



Getting There: ODS phased out under the Multilateral Fund



Source: Inventory of Approved Projects, as of 35th ExCom



Getting There: Global CFC Consumption





Is this experience relevant?

Montreal Protocol is smaller/focussed
Limited market place
Grant Mechanism, Increamental cost.
Pilot plant syndrome: Small successes have big messages
Small Lessons for the Giant Kyoto
Lessons from willing ants to the eager elephants



Hierarchy of Needs

WHY change:

WHAT options:

WHERE to source:

HOW to assess and deploy:

Awareness tools

Catalogues of options

Technology source books, Inventory database

Case studies, guidelines Resource Modules, Manuals, Handbooks



Conceptual Shifts during the Decade

Supply Driven **Providing information Technology transfer Conveying the message** 'Ad-hoc'ating data **Technology for change**

Stand-alone Clearinghou

Demand Driven Promoting change Technology cooperation Communicating the message **Advocating Policies Policies that enable** technological change **Integratead Network**



Policy Assistance and Technology Transfer: China



Source: Inventory of Approved Projects, as of 35th ExCom





Clearinghouse Strategy: Targets and Focus



www.uneptie.org/ozonaction



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Digital Drive



Regular Update on Methyl Bromide Alternative

Discussion forums & news services



Electronic news services



Main Web Site

NEP	Methyl bromide Alternatives Projects: MAP to a Healthy Harvest
	About Overview Projects User Info

About this site

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Welcome to the joint UNEP/UNIDO web-site on methyl bromide alternatives

Methyl bromide is a highly toxic fumigant used in agriculture for crops such as tomatoes, strawberries and cut flowers. Its use also includes pest control in structures and stored commodities and for quarantine and pre-shipment treatment. Unfortunately, methyl bromide is also harmful to humans and a potent ndependant initiatives ozone-depleting chemical with a potential for destroying 60 times more ozone than each atom of chlorine from CFCs.

> Completing a methyl bromide phase-out is one of the remaining challenges toward ozone layer protection and for improving the health of farmers. In 1997 the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer agreed to a global methyl bromide phase-out schedule, requiring industrialized countries to phase out methyl bromide by 2005 and developing countries to freeze production and consumption by 2002 with a complete phase

Partnership sites



Daughter sites



Regional Networks of the Focal Points





Results and Outcomes/Impacts: Activities Implemented Jointly (AIJ)



Source: Report on Clearinghouse Evaluation, 2002



Lessons Learned: Design of the Clearinghouse

Should be demand driven: Demand is dynamic

Identify the patterns of needs: Patterns will vary from LVCs to HVCs

Formulate a strategic approach: Strategy is necessary to find the niche



Lessons Learned: Overall Management

•Establish Informal Advisory Group of Experts: Experts should include clients as well

Decide on benchmarks/performance indicators:
External reviews are best improvements



Lessons Learned: Regular Operations

Create a network of experts:
Experts are motivated to work for UN bodies

•Cast a wide net by encouraging National Clearinghouses Diffusion is effective through national hubs

Promote and outreach the services:
What is not known is not used



Future Challenges for OzonAction Clearhinghouse •Reaching and assisting SMEs: •Numerous and informal

Information on cross-linked issues:
•HFCs/PFCs, energy efficiencies

Digital divide:
Need to continue Multimedia dissn

Languages:
•Multilingual dissimination



Lessons for other MEAs

Promote and support policy setting before technology transfer

 The 3 axis of a clearinghouse-Adaptability, flexibility and scalability

People power is more important than digital power



Ozone Depletion



Global Warming

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Source: Gary Larson



Chronology of the Protection of the Ozone Layer

Vienna Convention

1985 :	
1987 :	
1990 :	
1996 :	
1999 :	

Montreal Protocol on Substances that Deplete Ozone Layer Financial Mechanism and Clearinghouse CFC Phase Out in Developed Countries Developing countries begin compliance



Chronology and Evolution of Clearinghouse

1991	1992	1993	1994	1995	1996
MOU with USEPA to use the platform/database Dev the	velopment of e-database	Handing over the database by the industries	Formulation of the compliance driven strategic approach	Mix of the multimedia tools for HVCs and LVCs	Integrated clearinghouse with networks of the NOUs



Where can we partner?

Cross-linked issues: HFCs, energy efficiencies

 Cross-linked institutions: Networks of NOUs and CC-officers

 Cross-linked concepts: advice from 'getting there' Protocol to 'getting ready' Protocol



Results and Outcomes/Impacts: Did CH has Positive Impact on the implementation?



Source: Report on Clearinghouse Evaluation, 2002