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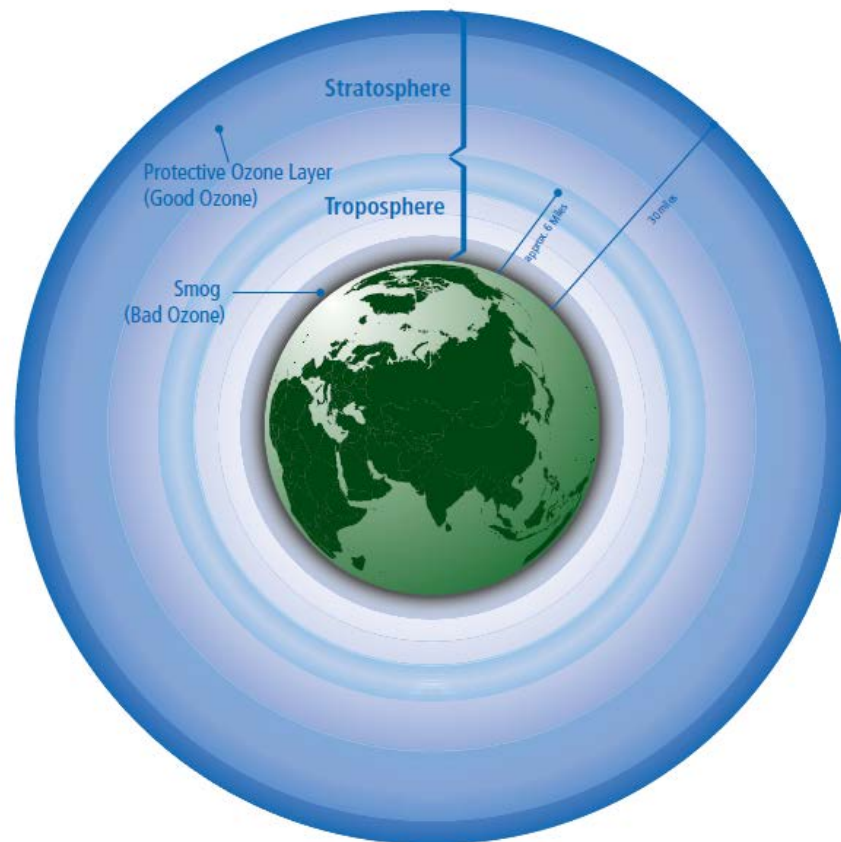
# How to Prepare Multi-Focal Area Projects

**Anil Sookdeo,**  
Climate Change and Chemicals

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# The GEF's Key Synergies in the Global Commons

- Address synergies and challenges that cross convention lines:
  - UNFCCC,
  - Montreal Protocol
  - Chemicals Conventions (Stockholm, Basel, and Rotterdam)
  - Mercury INC
  - International Waters



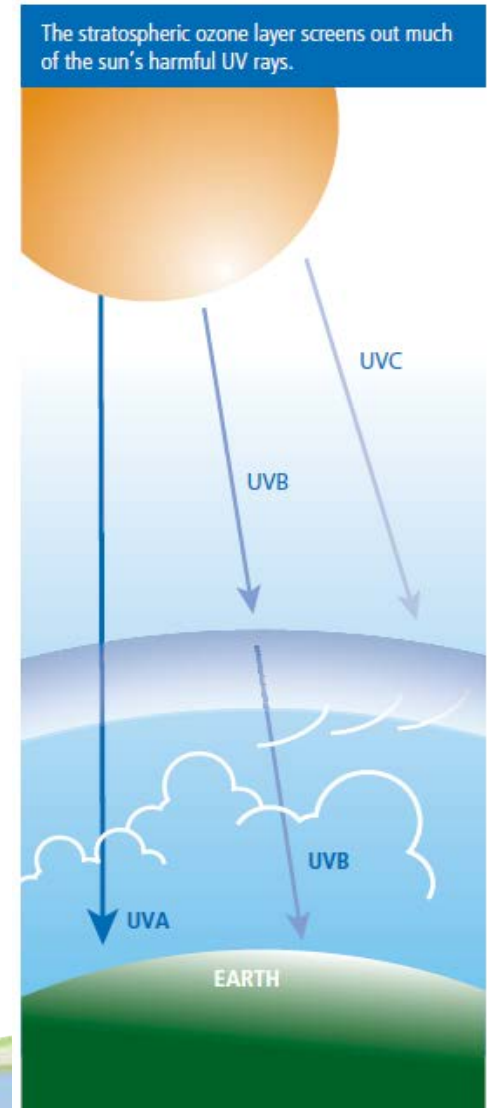
# Synergies Focus in GEF 5

- GEF is unique in that it is the only funding mechanism that has multiple focal areas under one roof
- This allows for synergistic project that cross focal areas and bring greater GEBs
- GEF Council strongly supports synergies projects thus they have been a focus in GEF 5



# Synergy Example: The Ozone-GHG Link

- ODS and their substitutes are potent greenhouse gases.
- Reducing ODS emissions results in significant climate benefits.



Global Warming Potentials (GWPs)		
Substance	Example of use	GWP
CFC-11	Foam insulation	4,750
CFC-12	Refrigerant	10,900
HCFC-22	Refrigerant	1,810
HCFC-141b	Foam insulation	725
HFC-134a	Refrigerant/Foam	1,430
Halons	Fire Protection	1,640-7,140
Methyl Bromide	Pesticide/Fumigant	5

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# GEF Works to Enhance Synergies

- GEF adds value when designing synergistic projects that benefit Montreal Protocol, climate change mitigation, and chemicals.
- For example, projects that include replacement of old, inefficient refrigerant-containing equipment with proper management of waste result in:
  - Energy efficiency benefits from equipment replacement
  - Ozone and climate benefits from recovering refrigerant and foam blowing agents
  - Chemicals benefits from proper management of PCBs and mercury
  - Energy and resource benefits from metal recycling



# Case Studies

- GEF funds projects that incorporate synergies between climate and chemicals including the following:
- Phase Out HCFCs and Promotion of HFC-free Energy Efficient Refrigeration and Air-Conditioning Systems in the Russian Federation through technology transfer
  - Combines **Climate Change and Ozone** components to achieve HCFC phase-out while minimizing climate impacts in Russia including reduced electricity consumption in the commercial and industrial refrigeration sectors.
  - Implementing agency: UNIDO, GEF funding: 18M
- Implementation of Eco-industrial Park Initiative for Sustainable Industrial Zones in Vietnam
  - Combines **Climate Change, POPs, and International Waters** components to increased transfer, deployment and diffusion of clean technologies and practices for the minimization of hazardous waste, GHG emissions as well as water pollutants and the sound management of chemicals in industrial zones of Vietnam
  - Implementing agency: UNIDO, GEF funding: \$3.5M



# Case Studies

- Reducing Mercury Release from Healthcare Waste, global project (Argentina, India, Lebanon, Latvia, Philippines, Senegal, Tanzania, and Vietnam)
  - Combines **POPs and mercury components** for reducing healthcare waste to avoid releases of dioxins and furans included a mercury component and allowed the replacement of all mercury devices with mercury-free ones in the participating countries. This project is being replicated in other countries.
  - Implementing agency: UNDP
  - GEF funding: 10.3M



# Potential Synergies in the Chemicals Portfolio

- In GEF 5 and likely in GEF 6 more synergy in projects is encouraged to achieve greater impact.
  
- In this regard, Multi Focal Area, or multi-Chemical projects that countries may wish to consider would include:
  - Dealing with POPs, e-waste, mercury, lead and improving waste management.
  - Mercury Lamps and other waste products in Building/Lighting efficiency projects
  - Climate Mitigation projects in Coal Power Plants or smelting which include Mercury Mitigation from the same emission streams.
  - Mercury and POPS reduction in Medical waste
  - Projects that incorporate action on Basel, Rotterdam and Stockholm Conventions.
  - POPs and ODS co- destruction



# Thank you!



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