

PEW CENTER ON GLOBAL CLIMATE CHANGE

Synergies between Ozone and Climate

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MONTREAL PROTOCOL

introduction

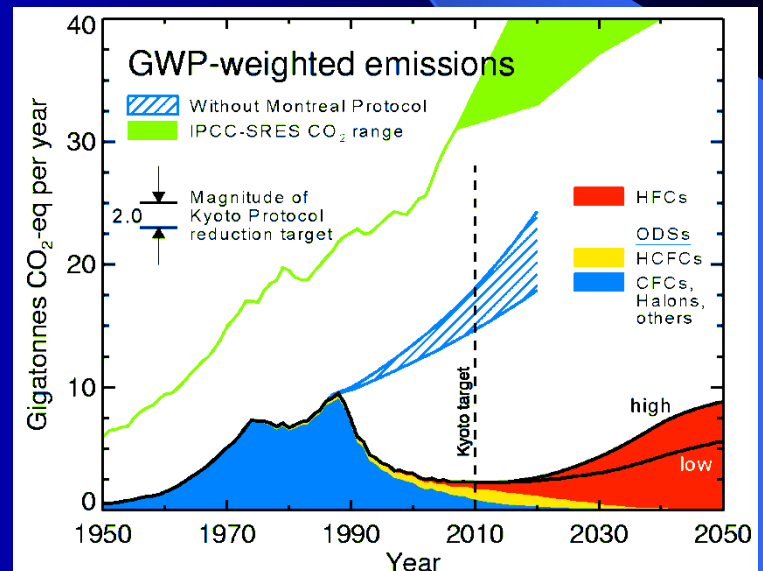
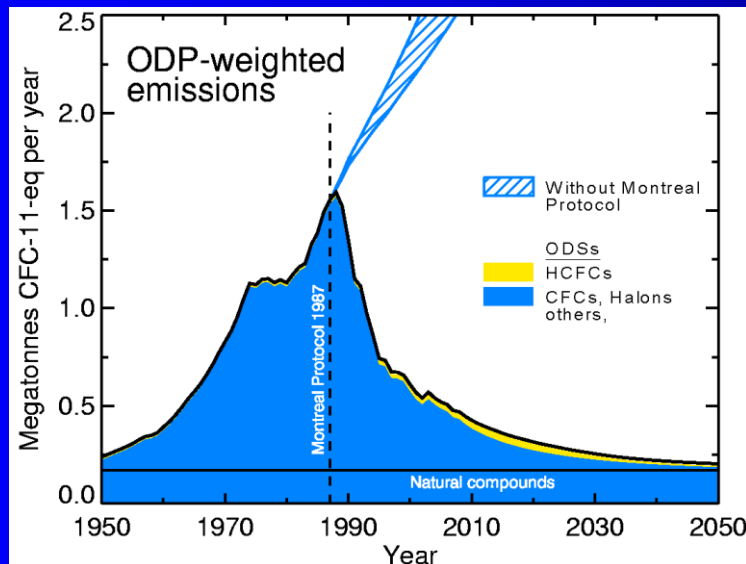
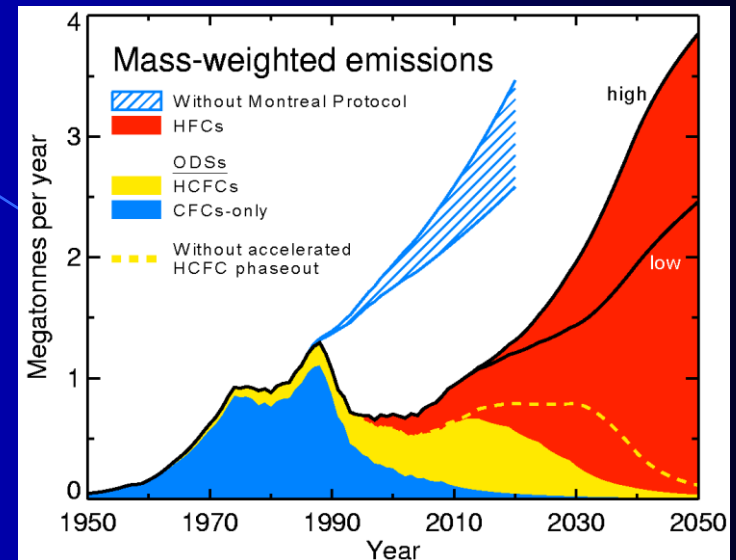
- Two hats
- Science of Climate
- Political and economic factors
- Longings for a simpler approach

MONTREAL PROTOCOL SYNERGIES

- It is in the agendas of governments, it is in discussions on governance in the UN and it is a guiding principle in the discussions on climate change.
- So synergies between Climate Treaties and Multilateral Agreements are an important consideration when discussing mandates and stakeholders.

Comparing emissions by different metrics

- Emissions weighted by:
 - Mass
 - GWP
 - ODP



MONTREAL PROTOCOL

1990 - 2010

- World population increased: 5 to 7 billion
- CO₂ emissions increased: 20 Gt to over 30 Gt
- ODSs reduction: over 10 Gt CO₂-eq in 2010
- 135 Gt CO₂ eq cumulative reductions

2010 Synthesis Report of SAP, EE and TEAP Assessment Panels

- “Stratospheric ozone depletion and climate change are intricately coupled”.
- “HFCs, controlled under the KP, could have emissions under a BAU scenario could be up to 20% of the total GHG emissions by 2050”.

AMENDMENT TO PHASE DOWN HFCs UNDER THE MP

- Contains a phase down of HFCs through controls typical of the Montreal Protocol.
- In the last 2 years and again this year the Amendment is up for discussion.
- This initiative appears to touch on synergies at the policy and implementation levels between the Montreal and Kyoto Protocol.

Montreal Protocol

Conclusions / Lessons Learned

- The MP is a prime example of near-term mitigation policies
- Ozone layer and climate protection should be considered together when deciding to control (the relevant) anthropogenic chemical emissions.
- Proposals to amend the Montreal Protocol to phase down HFCs are encouraging investments in alternatives.
- With the right support, all countries in the world can become partners in the effort to protect the global environment.



Thank you