



Economic Commission for Europe

Executive Body for the Convention on Long-range Transboundary Air Pollution

Twenty-eighth session

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Agenda item 5 of the provisional agenda

Progress in core activities

Hemispheric Transport of Air Pollution 2010 Executive Summary

Prepared by the Co-Chairs of the Task Force on Hemispheric Transport of Air Pollution

Corrigendum

1. Paragraph 17, second and third sentences

Replace the existing text with

Global yield losses of four staple crops due to exposure to O₃ are estimated to be between 3%–16%, depending on the crop, and are valued at \$14 billion to \$26 billion per year. Based on the HTAP multi-model experiments, intercontinental transport may be responsible for 5% to 35% of the estimated crop yield losses depending on the location, crop and response function used, subject to large uncertainties.

2. Paragraph 40, third sentence

Insert dry before deposition

3. Paragraph 43, second sentence

Should read

A large fraction of transported Hg is deposited in springtime during polar sunrise in atmospheric mercury depletion events, during which Hg⁰ is rapidly oxidized by photochemical reactants that have built up over the dark winter.

4. Paragraph 44

Delete the punctuation at the end of the last sentence and *insert*

, prevailing atmospheric circulation patterns and significant contribution of these regions to global anthropogenic emissions.

5. Paragraph 45, second and third sentence

Replace the existing text *with*

The agreement between models and observations for Hg wet deposition is weaker, with differences between observed and modelled values up to 100%, mainly due to uncertainties in Hg emission rates, Hg oxidation chemistry and estimated precipitation rates.
