

Attributing Impacts to Specific Emitters and Emissions

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Source Attribution: Opportunities & Challenges

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Troposphere

Stratosphere

Mesosphere





CO2





CO2





Data Infrastructure



Opportunity: Reporting requirements for emissions under the United Nations Framework Convention on Climate Change (UNFCCC) and supported by governments.



Data Infrastructure

Challenge: Lacking infrastructure support for consistent reporting. Currently varies by countries hampering ways for making available to the broader scientific community appropriate for incorporation into a full range of climate models.



Data Start Time

Challenge: 1990



Opportunity: 1854





Data Tracking Incentive

Challenge: government coercion for reporting is hard to implement and resources devoted to tracking varies among countries.

Opportunity: Currency already has robust tracking













A silhouette of the Statue of Liberty stands against a dramatic sunset sky with orange and blue clouds. The statue is positioned on the right side of the frame, with its torch raised high. The background shows the horizon and some distant buildings.

{ Thank You

Want to Learn More?

<https://www.ucsusa.org/resources/science-hub-climate-litigation>

**Union of
Concerned Scientists**