

PULLING THE EMERGENCY BRAKE FOR CLIMATE & HEALTH

How EDF is taking on super pollutants around the world

Reducing super pollutants offers one of the highest-impact opportunities to slow warming in the near term while delivering immediate benefits to people and planet. Cutting methane, black carbon and nitrous oxide improves local air quality, reduces harmful ozone pollution, protects public health and builds resilience to climate impacts. These near-term gains complement long-term decarbonization efforts and help keep climate goals within reach.

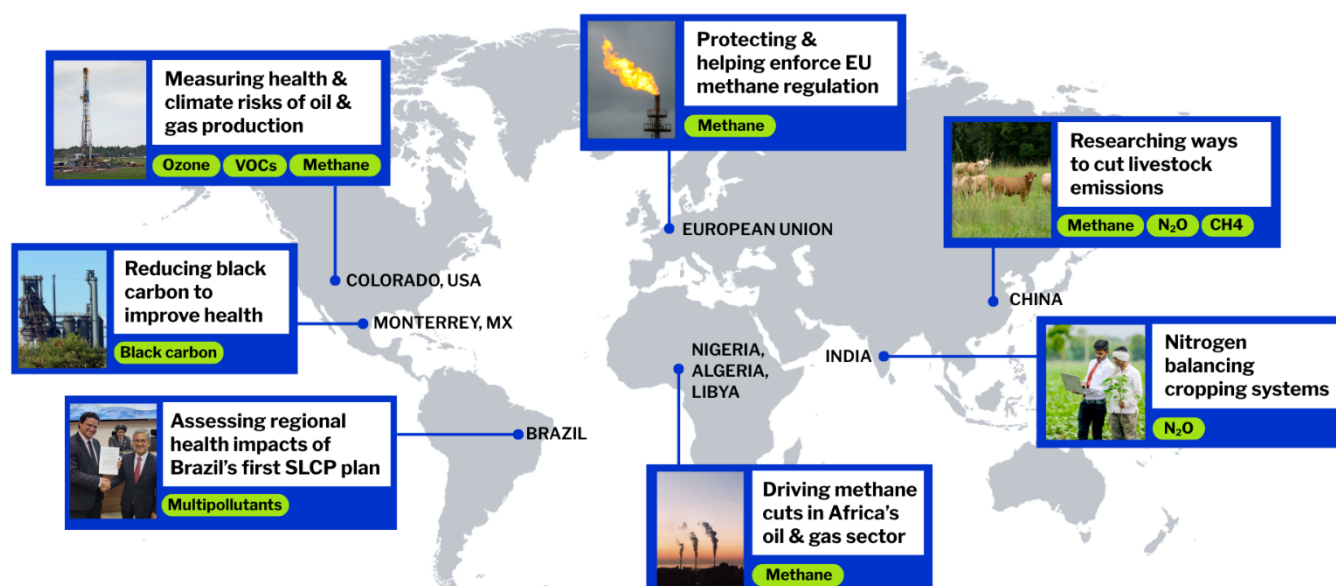
EDF brings together policy expertise, science, economics and strategic partnerships to unlock the biggest opportunities for emission cuts across energy, agriculture, health, and finance. By identifying scalable solutions and helping to drive their adoption, we turn ambitious global goals into local action that deliver tangible results that people can see and feel in their daily lives. EDF works globally, pairing deep expertise in China, India, Europe and the United States with growing partnerships across Africa, Central Asia and Southeast Asia to advance practical solutions for methane, air quality and other super pollutant challenges.

DATA-DRIVEN SOLUTIONS

Effective action begins with credible data. EDF has advanced the scientific understanding of super pollutants and built the evidence base to drive emissions reductions for decades. Through groundbreaking research and collaboration, EDF has helped reveal the

EDF IN ACTION TO TACKLE SUPER POLLUTANTS AROUND THE WORLD

A sampling of our global projects working to slow warming & improve health



scale of methane pollution and identified the most effective ways to reduce it in key sectors. EDF also develops and deploys innovative monitoring technologies that make emissions visible and actionable. Through MethaneSAT, Air Tracker and other platforms, EDF is helping governments, companies and communities access policy-relevant pollution data that can enable better decision-making, accountability and faster reductions.

FROM DATA TO ACTION

Data alone does not reduce emissions. Across its super pollutants portfolio, EDF works with governments, companies, farmers, researchers and civil society to translate scientific evidence into practical solutions that can deliver climate benefits while advancing economic development, cleaner air and healthier communities. Together, we reduce methane from oil and gas operations, agriculture, coal mining and waste systems, while also advancing strategies to address nitrous oxide emissions from agricultural production.

“It’s critical that moving forward, we demonstrate the benefits of linking climate and clean air policy. Reducing super pollutants will not only improve the climate but also reduce exposure to ozone and particulate pollution, incidents of asthma and respiratory disease and improve crop yields and food security while providing communities with the economic benefits of cleaner air.”

— ANGELA CHURIE KALLHAUGE, EXECUTIVE VICE PRESIDENT, IMPACT

Strengthening access to data and clean air policy in Brazil with Air Tracker

EDF's Air Tracker platform is helping strengthen air quality management across Brazil by providing accessible, high-resolution pollution data to support decision-making and public awareness. The initiative grew from EDF's regional partnership with the United Nations Environment Programme (UNEP), which supports senior leaders pursuing clean air solutions across Latin America and the Caribbean. EDF is providing technical assistance to Brazil's Ministry of Environment and Climate Change as it works to modernize the country's national air quality strategy and align standards with World Health Organization guidelines following a Supreme Court mandate. Air Tracker has expanded to Rio de Janeiro through partnerships with the Instituto Estadual do Ambiente (INEA), the Secretaria Municipal de Meio Ambiente (SMAC), São Paulo's CETESB and academic and civil society organizations.

Supporting nitrogen efficiency practices in India's agricultural sector

EDF piloted the N-balance tool with nearly 60,000 farmers in Bihar, Maharashtra, and Tamil Nadu. EDF developed this user-friendly method to help farmers and their business partners measure the risk of nitrogen losses to the environment. These pilots aim to help EDF understand the difference in crop responses to site-specific advisories based on farmers' N-balance scores. The most recent preliminary results demonstrated that Indian farmers who switch to lower-nitrogen and best management practices can maintain, or even increase, yields and profits while reducing emissions of nitrous oxide and providing environmental improvements.

To drive adoption of these management practices, EDF developed a fertilizer efficiency training program for agri-entrepreneurs (similar to agricultural extension agents) with Syngenta Foundation India. With a total of 9,939 agri-entrepreneurs and 42,331 farmers trained on climate smart agriculture practices, the program now has the capacity to reach roughly 1.5 million farmers. Supporting agri-entrepreneurs and extension officials is a key strategy for deploying smart agricultural techniques that benefit farmers, the food supply and the climate.

Reducing methane emissions in the Malaysian oil and gas sector

EDF is working with state government, civil society and industry partners in Malaysia to advance methane measurement and emissions reduction in the oil and gas sector. In 2025, EDF and partners conducted what is believed to be the first independent methane measurement campaign in the ASEAN region identifying emissions at an onshore facility that was found to be above industry performance targets. Satellite observations from Carbon Mapper provided additional confirmation of emissions in the area. Building on these findings, EDF has engaged state officials and facility operators to support follow-up site-level measurements and identify practical opportunities that could reduce methane emissions by 90-95%. Through technical collaboration, capacity building and field training for local partners, EDF is helping strengthen regional capability to measure, manage and reduce methane emissions while supporting more efficient and competitive energy production.