

The Oil and Gas Sector Needs to Tackle Its Methane Problem. Here's How to Track It.

The Oil Climate Index plus Gas (OCI+), an open-source interactive tool, offers powerful insights on the methane intensity of the world's oil and gas resources

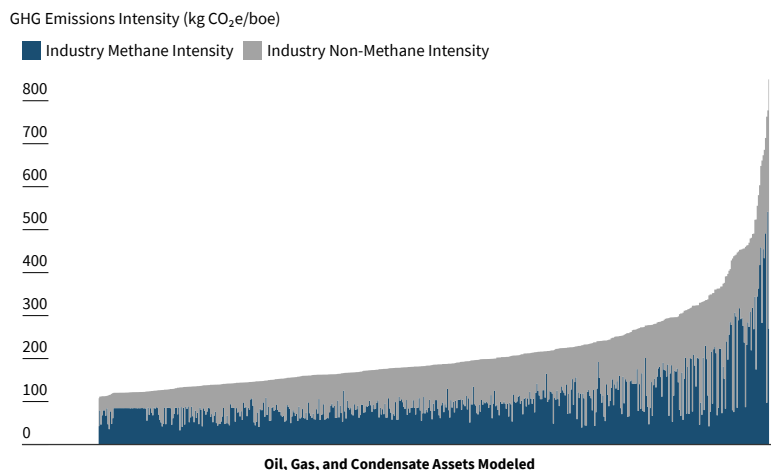
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Methane is a powerful climate pollutant that heats our planet over 80 times more than carbon dioxide. The oil and gas sector is responsible for an estimated one-third of global methane emissions, therefore representing our most significant near-term opportunity to reduce emissions and slow global temperature rise.

RMI's cutting-edge interactive tool — the OCI+ — reveals the size, scope, and nature of the methane problem. As shown below, the methane emitted by the oil and gas sector is responsible for over one-half of all industry emissions—rivaling CO₂. Depending on how oil and gas are extracted, processed, and transported, methane emissions vary by a factor of ten.

Cutting methane leakage can shrink oil and gas industry emissions

The updated OCI+ web interactive tool transparently assesses the emissions from two-thirds of the world's oil and gas supplies, offering the climate intelligence needed to identify new opportunities to manage methane. The OCI+ model can be used by policymakers, corporations, financial actors, academics, and civil society to identify drivers of emissions in the oil and gas supply chain and prioritize actions that can yield the greatest climate benefits.



Source: <https://ociplus.rmi.org/>

Key insights on methane from the OCI+ are as follows:

- **The oil and gas sector offers the No. 1 opportunity to cut methane.** The International Energy Agency reports that over one-half of oil and gas industry methane emissions can be [profitably cut](#). Immediate steps to prevent methane leakage can also help bolster economic security amid market uncertainty. Openly certifying natural gas supplies by their methane leakage rates using protocols like [MiQ](#) can create new markets for less climate intensive oil and gas.
- **Satellites and remote measurements are making methane visible.** Atmospheric methane emissions have now reached their highest concentrations since measurements have been taken. Understanding where these emissions are coming from is a critical step to mitigating them. The good news is satellites, like those under development by the [Carbon Mapper](#) program, will be routinely and openly reporting methane super-emitters once they are launched in late 2023.

