



Collaborating with Climate and Clean Air Coalition (CCAC) Oil and Gas Methane Partnership (OGMP)

In 2018, Ecopetrol collaborated with GMI CCAC OGMP to train its employees about reducing and recovering methane emissions from their crude production operations. The training focused on assessing emissions at the nine “core emissions sources” identified by the CCAC OGMP:

1. Natural gas driven pneumatic controllers and pumps
2. Fugitive component and equipment leaks
3. Centrifugal compressors with wet (oil) seals
4. Reciprocating compressor rod seal/packing vents
5. Glycol dehydrators
6. Unstabilised hydrocarbon liquid storage tanks
7. Well venting for liquids unloading
8. Well venting/flaring during well completion for hydraulically fractured gas wells
9. Casinghead gas venting



For these training sessions, Ecopetrol’s research arm, the Instituto Colombiano del Petróleo (ICP), invited a broad group of representatives from several facilities and areas, including production staff, scientific research personnel and corporate operations executives. Each core emissions source was discussed extensively, and real-life operating issues were introduced into the discussion. Ecopetrol joined the CCAC OGMP in January 2019 and intends to develop an implementation plan to identify and assess emissions from the core emission sources identified at its facilities in collaboration with CCAC OGMP.

Working with others

Ecopetrol and GMI have been working together since 2012 under a Memorandum of Understanding (MOU) to address the reduction of methane emissions from Ecopetrol’s operations and to increase the awareness of voluntary methane mitigation opportunities. Since 2005, GMI has been collaborating with Ecopetrol on training events and Ecopetrol has participated in GMI-supported events that focused on major sources of methane emissions from gas transmission and distribution and the tools and techniques needed to carry out a methane emissions measurement study.