

The 2022 CSPG Patricia J. Lee Trailblazer Award goes to Don Lawton and Kirk Osadetz, who are deserving winners for their ground-breaking advances in our understanding of Carbon Capture and Storage (CCS) over the last two decades. They are key leaders at Carbon Management Canada (CMC), where they support projects to (1) improve understanding of geological storage of CO₂, and (2) allow industry to compete and be responsive to the challenge of carbon abatement through CCS. Don and Kirk are well-known experts in CCS/CCUS and have tirelessly worked to expand the usage of these technologies to remove greenhouse gases from the atmosphere.

CMC is a national, non-profit organization with roots deep in research and technology development that has supported 155 researchers and over 200 graduate students and post-docs. Today, the work of this community is contributing to the explosion of growth in CCS projects across Canada.

In 2013, Don Lawton, Scientific Director of CMC and Professor Emeritus at the University of Calgary, started the Containment and Monitoring Institute Field Research Station (CaMI FRS) in Southern Alberta. Kirk Osadetz (Programs Development Manager at CMC) has helped to develop it into an international research and commercialization hub for CCS technologies. This site is now internationally recognized for its research on CCS monitoring. Here, small start-ups, large oil and gas companies, government entities and research groups collaborate to advance CCS monitoring and greenhouse gas emissions reduction technologies. The CMC-CaMI Joint Industry Partnership, now supported by 16 companies, has enabled cutting-edge research to be developed and scaled up to impact emissions management and monitoring.

Dr. Lawton and Mr. Osadetz have also made noteworthy contributions to public policy and government regulations around CCS and emissions management frameworks provincially and federally, such as the CCS Regulatory Framework Assessment in Alberta.

The CSEG Recorder's most recent issue has an article highlighting the CMC team's work at the Field Research Station. <https://csegrecorder.com/articles/view/overview-of-carbon-management-canadas-pilot-scale-co2-injection-site>