



## **ICOS Norway – a carbon cycle infrastructure**

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The Integrated Carbon Observation System (ICOS) research infrastructure is aimed at quantifying and understanding the greenhouse gas balance of Europe and neighboring regions. ICOS-Norway brings together the leading Norwegian institutes for greenhouse gas observations in the three Earth system domains atmosphere, ocean, and terrestrial ecosystems, providing world-leading competence, which is integrated into one jointly funded and operated infrastructure. This provides Norway with a state-of-the-art research infrastructure embedded in European and global efforts. Even though each Earth system domain was part of dedicated research infrastructures prior to the establishment of ICOS-Norway, the greenhouse gas community in Norway was divided and there was minimal collaboration across the Earth system domains. The overall goal of ICOS-Norway is to provide accurate and accessible data on, as well as integrated assessments of, the Norwegian carbon balance at regional scale, across the land, ocean, and atmosphere. ICOS-Norway has thus led to an increased impact of environmental observing systems in Norway and surrounding seas, easily seen through the number of publications and new proposals generated as collaborative efforts. This poster presents the ICOS-Norway infrastructure, including plans for expansion and long-term funding.