

**ABSTRACT Marie Bysveen**

The 2020s is critical for Europe to be on the track to net zero by 2050. Carbon Capture Utilisation and Storage (CCS and CCU) will play a key role in decarbonising industry and energy sectors and offers Carbon Dioxide Removals (CDR) solutions.

In 2022 the CCUS SET-Plan published its CCUS Roadmap for 2030, presenting an overview of status and progress for the technologies today and identifying actions needed for large-scale deployment of CCS and CCU in the 2020s. An EU strategy for CCS and CCU is now being developed.

The oil and gas sector represents a key sector in order to successfully implement complex CCS and CCU value chains. This is reflected in the recent Net Zero Industry Act, a proposal for a EU regulation to strengthening Europe's net-zero technology products manufacturing ecosystem.

The role of R&I in reducing risk and cost when deploying CCS and CCU is often under-communicated.