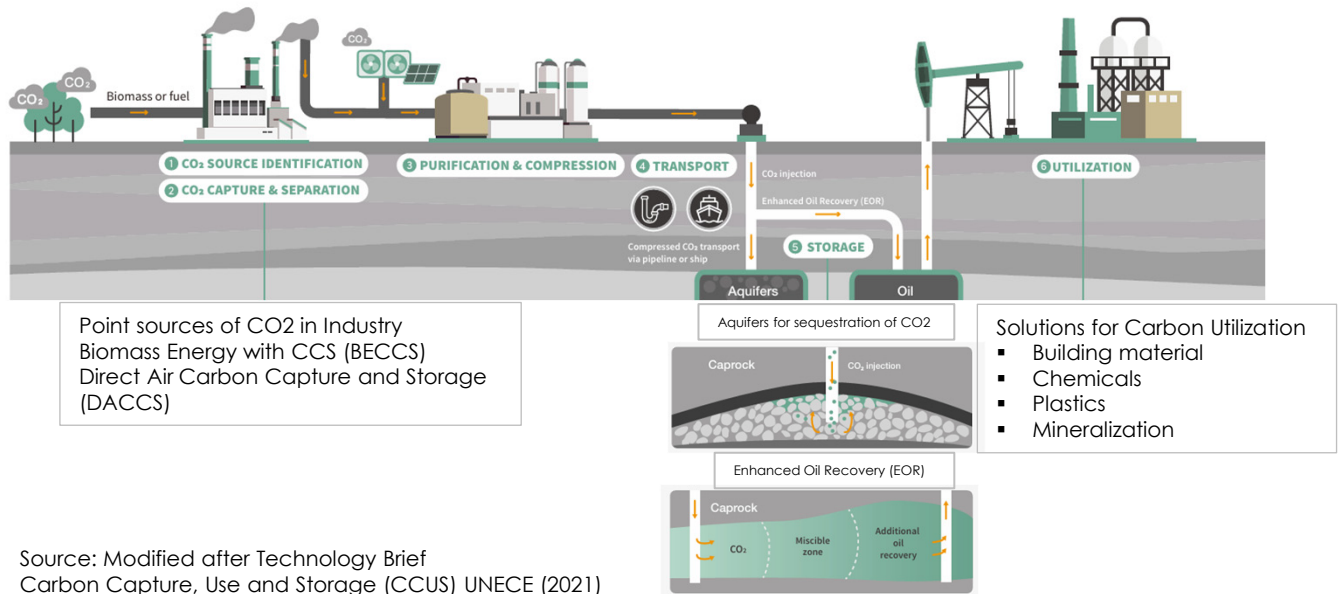


Carbon Capture, Utilization and Storage Certifications



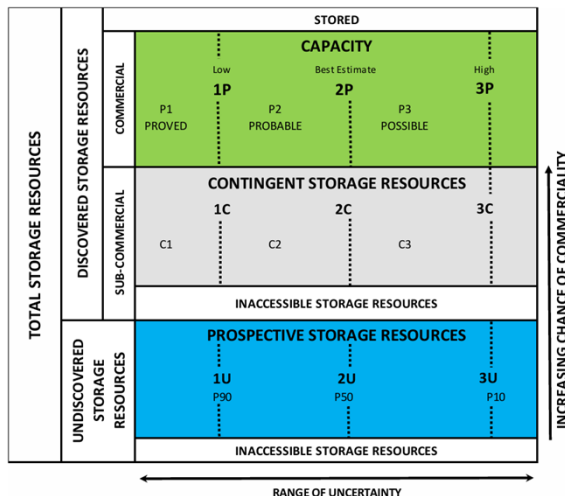
Carbon Capture, Utilization and Storage (CCUS) is a crucial technology in the fight against climate change to achieve **Environmental, Social and Governance (ESG) company targets on emissions**. To meet **climate change targets for net-zero emissions** by 2030, the global carbon dioxide (CO₂) capture capacity will need to significantly grow from current levels with CCUS being a key technology to decarbonize hard-to-abate sectors.

Carbon Capture, Utilization and Storage involves capturing CO₂ emissions from industrial processes and power generation, then transporting and storing them in reservoirs underground to prevent them from entering the atmosphere or utilizing them for enhanced oil recovery (EOR) or to produce other materials (e.g., synthetic fuel, plastics, chemicals).



Source: Modified after Technology Brief Carbon Capture, Use and Storage (CCUS) UNECE (2021)

Miller and Lents can help companies with estimation and review of storage resources and capacity with its geological and engineering expertise to model CO₂ storage processes in hydrocarbon-bearing formations and aquifers. Miller and Lents supports clients to certify the subsurface aspects of storage projects and estimate the resources and capacity using International standards like the **SPE's Storage Resources Management System (SRMS)** and UNFC 2023.



Source: CO₂ Storage Resources Management System (2017)

Miller and Lents services

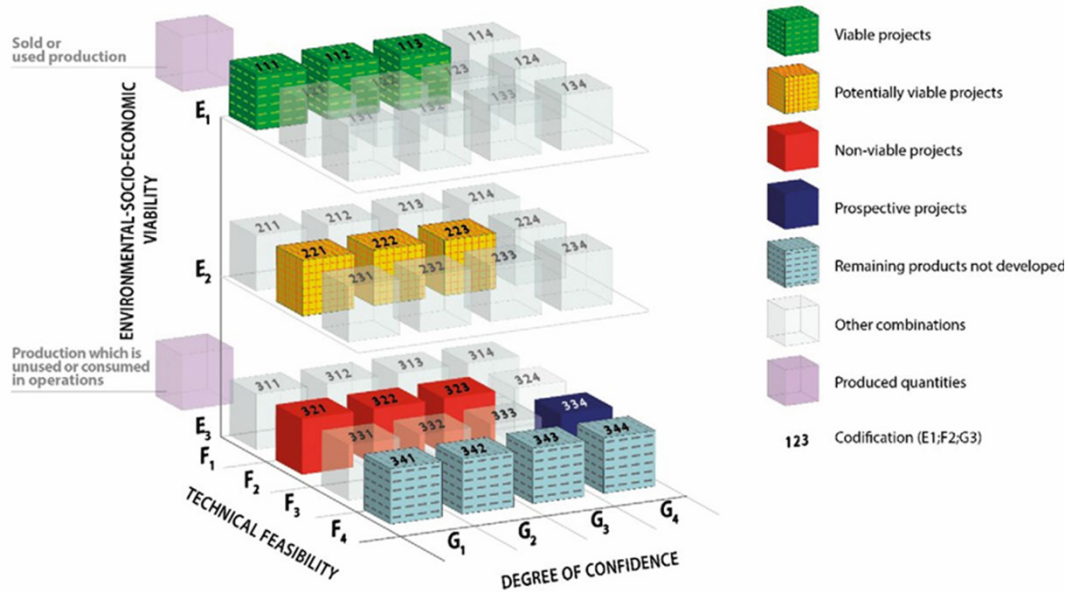
- Storage Screening
- Evaluating Storage Capacity
- Injection Development Plan
- Storage Determination using SRMS
- Measurement, Monitoring and Verification (MMV)
- Economic Modelling
- Training and Workshops



United Nations Framework of Classification (UNFC) is designed to help companies and countries manage their storage resources taking into consideration a project's ESG aspects through its third dimension of environmental-social-economic viability. Miller and Lents can provide services using UNFC for:

- ❑ National Storage Inventories
- ❑ ESG Company Sustainability Reporting

UNFC Categories and Examples of Classes



Source: UNECE 2020, United Nations Framework Classification (UNFC)



MILLER AND LENTS
 GLOBAL OIL AND GAS CONSULTANTS
Trusted Experience. Upstream Expertise.

909 Fannin Street • Suite 1300 • Houston, Texas • 77010

P: 713.651.9455 • F: 713.654.9914 • MILLERANDLENTS.COM