

**L215-006**

**Room: 303**

**Time: May 21 12:00-12:15**

## CO2 monitoring and it's roles in geological sequestration

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Monitoring of CO<sub>2</sub> plays several diverse and critical roles in the development and acceptance of geologic storage. To ensure the safety of storage projects by demonstrating that CO<sub>2</sub> is retained in the formation, it is necessary to verify the mass of CO<sub>2</sub> that has been stored in the subsurface. It is also necessary for monitoring sweep efficiency and determining whether the available storage capacity is being used effectively. Monitoring has been identified as one of the highest priorities needs to provide safe and secure storage of CO<sub>2</sub>.