

# Workshop on considering CCS as CDM project activity | [unfccc.int](http://unfccc.int)

Boundary  
Leakage  
Permanence  
Other issues



United Nations Framework Convention on Climate Change

## Project Boundary



- Definition of project boundary (capture, process, injection & storage)
- Issues arising out of project boundaries/ storage that span across international borders (NAI/AI//non-KP)
- Overlapping project boundaries for different projects (several projects using one reservoir)

▪ **Project boundary:** shall encompass **all anthropogenic emissions** by sources of greenhouse gases under the control of the project participants that are **significant** & reasonably attributable to the CDM project activity



## Leakage



- Up- and downstream emissions which occur outside the project boundary, for instance
  - increase in CO<sub>2</sub> production resulting from loss in overall efficiency due to CCS activities,
  - emissions due to enhanced hydrocarbons recovery (EOR, ECBM & EGR)

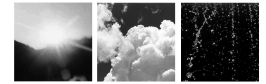
▪ **Leakage:** is the net change of anthropogenic emissions by sources of greenhouse gases which occurs **outside** the project boundary, & which is **measurable and attributable** to the CDM project activity

## Permanence



- Accounting & responsibility for monitoring and seepage during and after the crediting period
- Liability issues
- Methodological issues:
  - Prescription of site selection criteria (who & what?)
  - Methods of storage/types of reservoirs
  - Monitoring methods and periodicity
  - Force majeure & accidents

## Other issues



- Application of CDM modalities & procedures to CCS projects
- Validation & verification of CCS projects: DOE knowledge and competence
- Technology transfer issues
- Additionality issues