

ACT on Offshore Monitoring



WP1 BASELINE (Abdirahman Omar, NORCE-Climate, Sigrid E. Schütz, UiB-Law): Monitoring the marine environment. Will survey the regulatory requirements and opportunities and technical limitations laying the foundation for the marine monitoring program. This activity will underpin the other WPs, providing the necessary information on what level of assurance is expected from a monitoring program, alongside the present capabilities of marine measurements and monitoring.

WP2 DIGITAL (Jerry Blackford, PML): Design and build of the pre-operational web toolkit. Will be responsible for building the toolkit based on verified algorithms for detecting weak signals in a highly variable environment and designing monitoring programs.

WP3 RESPONSIBILITY (Dorothy Dankel UiB-BIO, Sigrid E. Schütz, UiB-Law): Responsible CCUS monitoring process. Will study how the monitoring program can be used to communicate risks and benefits of subsea storage, and as a tool for public engagement through the Responsible Research and Innovation (RRI) framework.

WP4 IMPACT (Sarah Gasda, NORCE-energy): Scenarios and site studies. Will utilize the web toolkit built in WP2 and the knowledge learned in WP3 to study policy scenarios and demonstrate the toolkit on the P18 and Smeaheia storage sites as well as study sites in the Gulf of Mexico.

WP5 INTEGRATION (Guttorm Alendal, UiB-MATH): Dissemination, reporting and coordination. Assure easy communication in this highly cross-disciplinary project, both in the core project group, in the extended collaboration group, and beyond the project. Responsible to periodic reporting to ACT.





- Advisory board.
 - Philip Ringrose, Equinor
 - Marcella Dean, Shell
 - Eva Halland, NPD
 - Tim Dixon, IEAGHG
 - Jun Kita, MERI
 - Gloria Thurschmid, EBN
 - Charles Jenkins, CSIRO
 - Sallie Greenberg, ISGS

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Department for Business, Energy & Industrial Strategy







echnologies



The site studies

Norwegian site



Need: biogeochemical baseline from the sea-floor.





Gulf of Mexico







Fine tuning of scenarios

Need: Higher frequency biogeochemical baseline from the sea-floor.

P18



Geological map in place

Need: velocities and biogeochemical baseline

