

THE NATIONAL RISK ASSESSMENT PARTNERSHIP RECOMMENDS RISK REDUCTION AND MANAGEMENT PRACTICES FOR CARBON STORAGE SITES

Draft reports on recommended practices for risk-based decision support at geologic carbon storage sites released.

NRAP TRANSLATES RESEARCH COMPUTATIONAL TOOLS AND RECOMMENDED PRACTICES INTO INSIGHTS FOR MANAGING GEOLOGIC CARBON STORAGE RISK



INSIGHTS

Yielding insights into risk management that support program goals to accelerate the safe and effective **commercial-scale deployment** of Carbon Capture and Storage.

RECOMMENDED PRACTICES

- Developed two draft **recommended practices reports related to risk management for potential leakage and induced seismicity risks.**
- Released these reports for a period of public comment.

TOOLS

- Developed and **publicly-released a toolset** for geologic storage risk quantification and monitoring design.
- Hosted at a recent **NRAP tools workshop.**

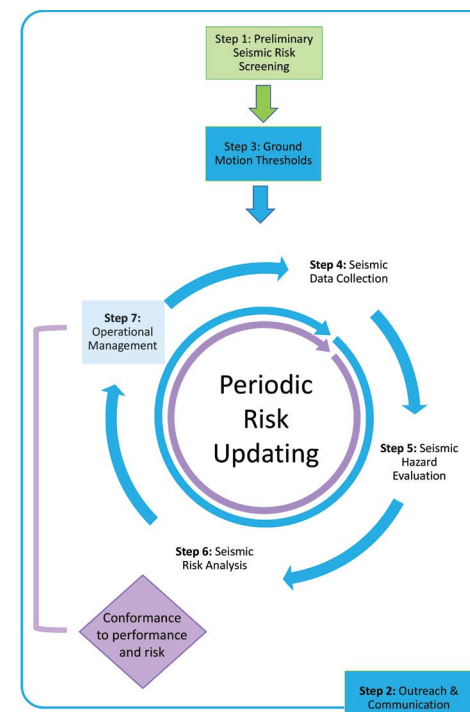
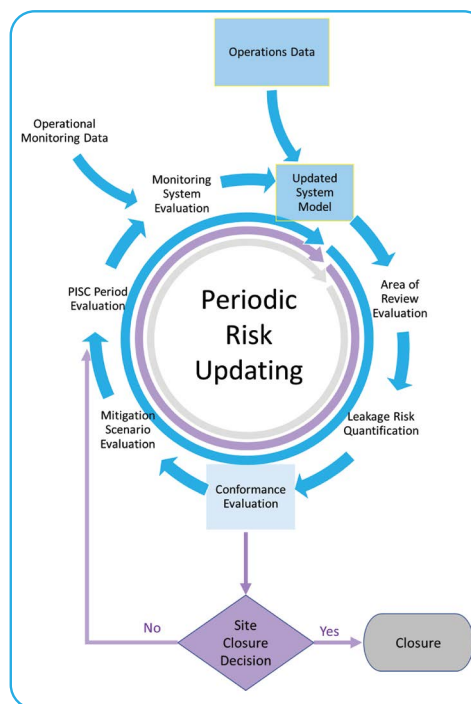
RESEARCH

Research highlighted in an NRAP Virtual Special Issue of the *International Journal of Greenhouse Gas Control*.

ESTABLISHED WORK FLOWS TO ASSESS AND MANAGE RISKS AT GEOLOGIC CARBON STORAGE SITES FOR:

CONTAINMENT ASSURANCE AND LEAKAGE RISK – including aspects of site characterization, risk-based area of review determination, monitoring design, and site closure.

POTENTIAL INDUCED SEISMICITY – including aspects of seismic hazard evaluation, risk analysis, and support for operational management decisions.



Recommended practices for both containment assurance and induced seismicity risk management involve periodically updating the risk assessment during the operations and post-operations project phases. The periodic risk updates, based on operational and monitoring data, are used to ensure conformance and progress toward successful site closure.

AWARD NUMBER
FWP-1022407

PROJECT BUDGET
EY21 FUNDING



- DOE\$1,215,000
- PERFORMER.....\$3,560,000

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