SEAO$_2$-CDR

Scientific & technological potential

Scientific principles

Efficacy
Durability
Scalability

Technological capability

Material, energy & costs
LCA & TEA assessments

Environmental impacts

Co-benefits & Risks
EIA frameworks

MRV readiness

Monitoring platforms
Modelling capabilities
Data handling systems

Governance mechanisms

Legal frameworks

National Policies
European Law
International Law

Ethical requirements

Public admissibility
Community engagement

Geopolitical considerations

Cross-boundary effects
'Flashpoint' potential

Market demand

Funding mechanisms (Voluntary market; Compliance market; Private investment…)

Price of carbon credits

Equitable access for countries/companies

Implementation pathways

Operational logistics

Maritime operational effects on cost/efficiency

Site suitability

Supply chain considerations
Environmental conditions

Multi-pathway solutions

Integrated Assessment Modelling