Climate Smart
Extractive Industries
The Bow Tie Method

Preventative Controls

Recovery Controls

Threat

Threat

Threat

Consequence

Consequence

Consequence
The Bow Tie Method

Preventative Controls
- Environmental Assessments
- Hazard analysis safety standards
- Weather forecasts
- Sea-state prohibitions
- Trained operators
- Certified captains
- Pilotage in high-risk areas
- Regular monitoring

Recovery Controls
- Protective equipment
- Blow-out preventers
- Double-hulling of vessels
- Rapid response teams
- Clean-up crews
- Heavy oil skimmers
- Oil booms
Extractive industries can operate safely and effectively if the right systems and mitigations are in place.