The Incremental Commitment Spiral Model
Principles and Practices for Successful Systems and Software

This book describes a way to be successful in an increasingly challenging endeavor—developing systems that are effective, resilient, and affordable with respect to meeting stakeholders’ needs.

The Incremental Commitment Spiral Model (ICSM) is not a single one-size-fits-all process, but a process generator, which steers your process in different directions, depending on your particular circumstances.

Four key ICSM principles:
- Stakeholder value-based guidance
- Incremental commitment and accountability
- Concurrent multi-discipline engineering
- Evidence and risk-based decisions

Who can benefit from reading the book?
This book helps you if:
- Your projects frequently overrun their budgets and schedule
- Your projects have a lot of late rework or technical debt
- Your delivered systems are hard to maintain
- Your organization uses a one-size-fits all process
- Your systems need to succeed in situations involving rapid change, emergent requirements, high levels of assurance, or some combination of those
- Your systems must operate with other complex systems

"Systems Engineering is fundamentally getting the right people together at the right time with the right information to make the right decisions"  
- Unnamed Former NASA Executive