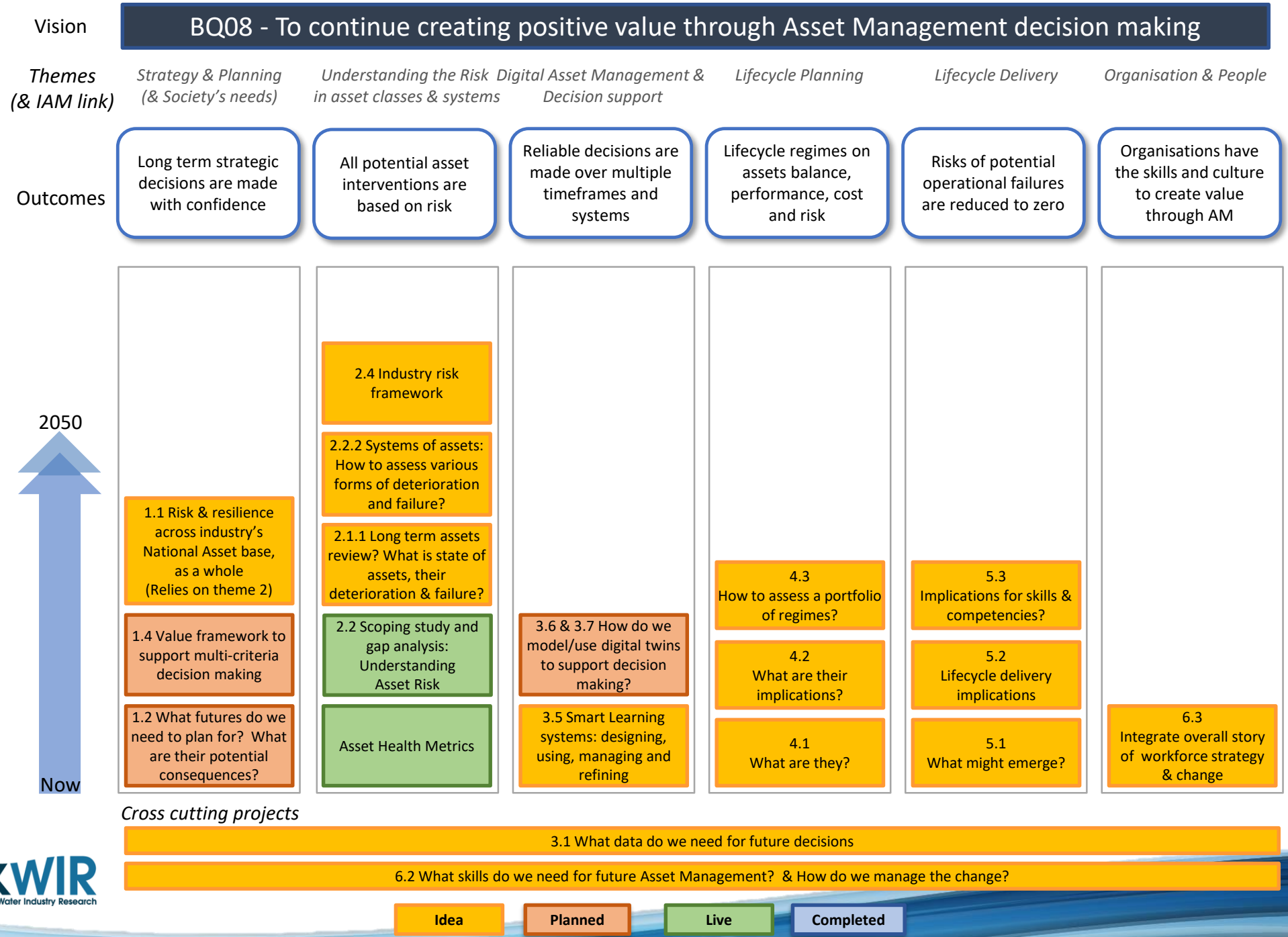
Vision
BQ08 - To continue creating positive value through Asset Management decision making
Themes (& IAM link)
Strategy & Planning (& Society's needs)
Understanding the Risk in asset classes & systems
Digital Asset Management & Decision support
Lifecycle Planning
Lifecycle Delivery
Organisation & People
Outcomes
Long term strategic decisions are made with confidence
All potential asset interventions are based on risk
Reliable decisions are made over multiple timeframes and systems
Lifecycle regimes on assets balance, performance, cost and risk
Risks of potential operational failures are reduced to zero
Organisations have the skills and culture to create value through AM
2050
Now
1.1 Risk & resilience across industry's National Asset base, as a whole (Relies on theme 2)
1.4 Value framework to support multi-criteria decision making
1.2 What futures do we need to plan for? What are their potential consequences?
2.4 Industry risk framework
2.2.2 Systems of assets: How to assess various forms of deterioration and failure?
2.1.1 Long term assets review? What is state of assets, their deterioration & failure?
2.2 Scoping study and gap analysis: Understanding Asset Risk
Asset Health Metrics
3.6 & 3.7 How do we model/use digital twins to support decision making?
3.5 Smart Learning systems: designing, using, managing and refining
4.3 How to assess a portfolio of regimes?
4.2 What are their implications?
4.1 What are they?
5.3 Implications for skills & competencies?
5.2 Lifecycle delivery implications
5.1 What might emerge?
6.3 Integrate overall story of workforce strategy & change
Cross cutting projects
3.1 What data do we need for future decisions
6.2 What skills do we need for future Asset Management? & How do we manage the change?
Idea
Planned
Live
Completed
UKWIR
UK Water Industry Research