



Controlling Agile

- Outline for today
- 1. Understanding 'agile' objectives
- 2. Understanding 'agile' approaches
- 3. Understanding 'agile' methodologies
- 4. Tailoring the controls regime

Kittens can be coordinated



Agile Objectives

Who's objectives matter?

- Agile practitioners / Agile anarchists
- The end user / client
- Management & Governance
 - The project manager
 - PMO & controls
 - Governance & stakeholders



Agile Objectives Agile anarchists? • Trust us – we are great • We don't need controls or documentation • You get what we create

Agile Objectives

Agile anarchists?

- Trust us we are great
- We don't need controls or documentation
- You get what we create

Hackathons can create fantastic results in a very short time





Agile Objectives

Agile practitioners?

- Believe in the Agile Manifesto
- Committed to one agile way (there are several)
- Believe 'agile' should be used for everything
- · Committed to value being delivered incrementally
- Increasingly recognising they need to be part of business
- But..... Agile and projects are not synonymous!



Agile Objectives

Project managers, PMOs, controls and governance

- Frame the project:
 - Need to understand the client / end user objectives
 - Need to define parameters for control
 - Need agreement on 'success'
- Design the controls system
- Design the forecasting system
- Run the controls and forecasting function

More on this later in the presentation









Agile Methodologies (some)

- Adaptive software development (ASD) A software development process that embodies the principle that continuous adaptation of the process to the work at hand is the normal state of affairs.
- Agile modelling (AM) is a methodology for modelling and documenting software systems based on a collection of values and principles. It is more flexible than traditional modelling methods, and is part of the agile software development tool kit.
- Agile unified process (AUP) is a simplified version of the Rational Unified Process (RUP). It uses a simple, easy to understand approach to developing business application software using agile techniques and concepts yet still remaining true to the RUP.

Agile Methodologies (some)

- **Disciplined agile delivery (DAD)** is the software development portion of the disciplined agile toolkit. It enables teams to make simplified process decisions around incremental and iterative solution delivery.
- Dynamic systems development method (DSDM) covers a wide range of activities across the whole project lifecycle and includes strong foundations and governance. It is an iterative and incremental approach that embraces principles of Agile development, including continuous user/customer involvement.
- Extreme programming (XP) is a software development methodology that advocates frequent "releases" in short development cycles.



Agile Methodologies (some)

- Rapid application development (RAD) puts less emphasis on planning and more emphasis on an adaptive process. Prototypes are often used.
- Scrum is a framework for managing complex knowledge work designed for teams of ten or fewer members, who break their work into goals that can be completed within timeboxed iterations, called sprints.
- Scrumban is a hybrid of Scrum and Kanban







Designing Agile Controls

- Assurance requires a functioning 'controls system'
- An effective 'agile controls system' will
 - Be light and lean
 - Add value to the agile methodology
 - Provide a reliable current status, and
 - A reliable forecast to complete
- The 'hard reporting' should be based on the set objectives
- Changes in the soft objectives are noted and mapped



























- Are the changes being managed
- Is enough 'work' being accomplished
- Value creation -v- cost of development
- KPIs need to be carefully designed
 - Traditional controls are not much use

For more on managing an Agile project see: https://www.mosaicprojects.com.au/PDF Papers/P109 Thoughts on Agile.pdf



Overarching Strategies

Focus on creating value

- Concept design / strategy / architecture
 - Take time to plan
 - Agree how the vision will be achieved
 - Resource and fund the plan
- This type of 'lean planning' is far more difficult than creating massively detail plans (*that don't work anyway*)



Overarching Strategies

Focus on creating value

- Assurance is needed that:
 - The customer has a clear vision and objective and this is still relevant and valuable
 - There is a committed sponsor / SRO providing leadership
 - The project team know where they are and where they are going (effective KPIs)
 - Value is being created
- Accurate feedback on accomplishment is needed for assurance



Governance Questions

Before major funding commitment:

- What are the specific objectives of the project?
- How will they be achieved?
- What is the vision / architecture of the product?
- How will this be created?
- How will we know the objectives and vision are being achieved???



Governance Questions

After completion:

- Did the project achieve its objectives?
- Did the project create the 'vision'?
- What have we learned?
- Was it a valuable investment???
- Is the product easily maintainable?













5. Trust and communication are vital Agile involves collaborative working to create value Traditional 'contracts' are counterproductive Look towards partnering and alliancing (pain-share/gain-share) 6. You cannot 'bolt on agile' The customer has to be 'agile' and involved The organisation has to be 'agile' and involved Sontrols and reporting need insight and intuition more than forms and processes 8. But you can herd cats successfully.....



