

Software Development Methodologies



What is a methodology

- A set of methods for guiding the software development process.
- Provide implementation details for following SDLC
- Often tailored for specific types of projects based on size, duration, resources, complexity etc.
- A **LARGE** number of software methodologies exist

Benefits

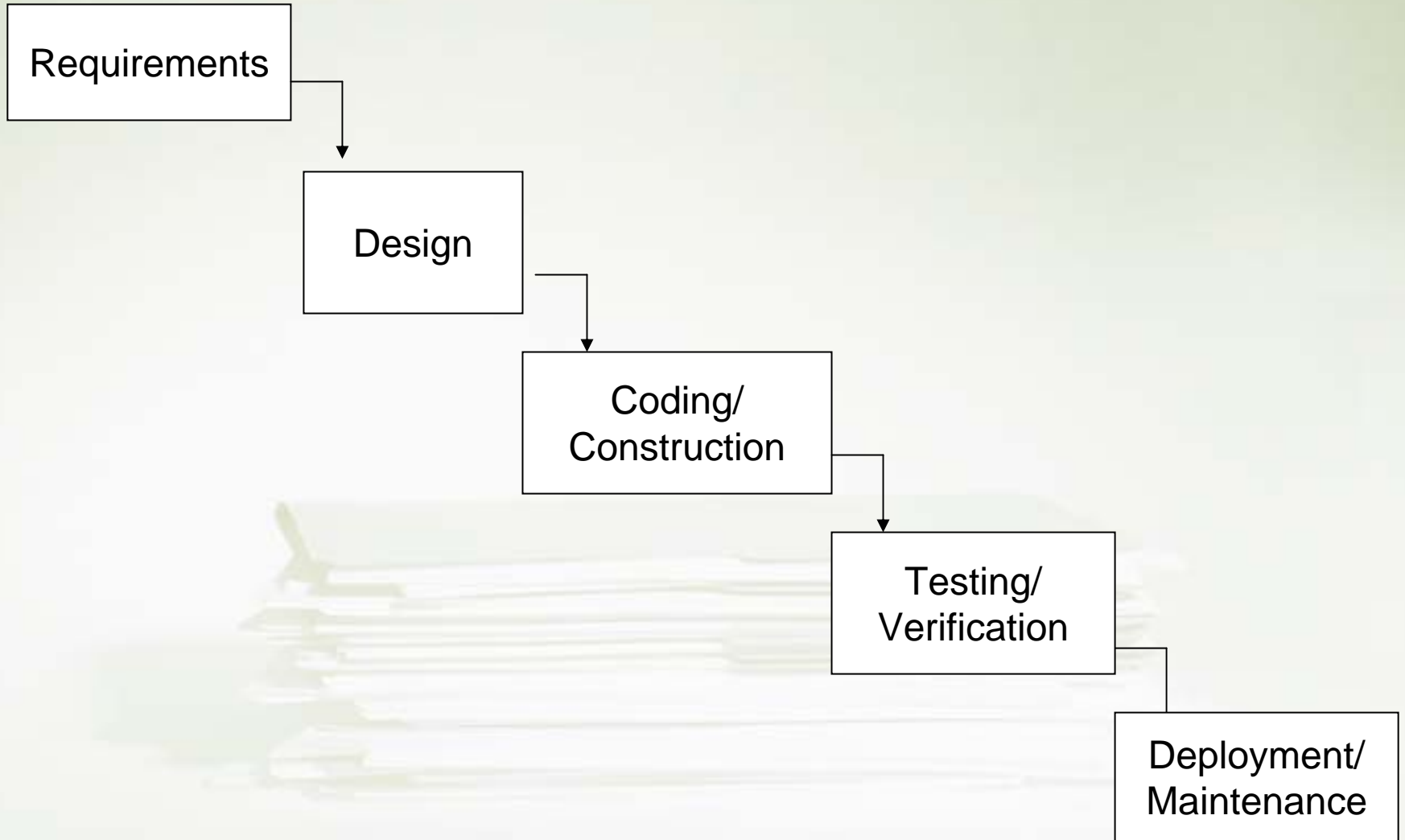
- Provides a proven process/path to follow
- Optimize resource usage
- Help ensure accuracy of product
- Help ensure on-time delivery



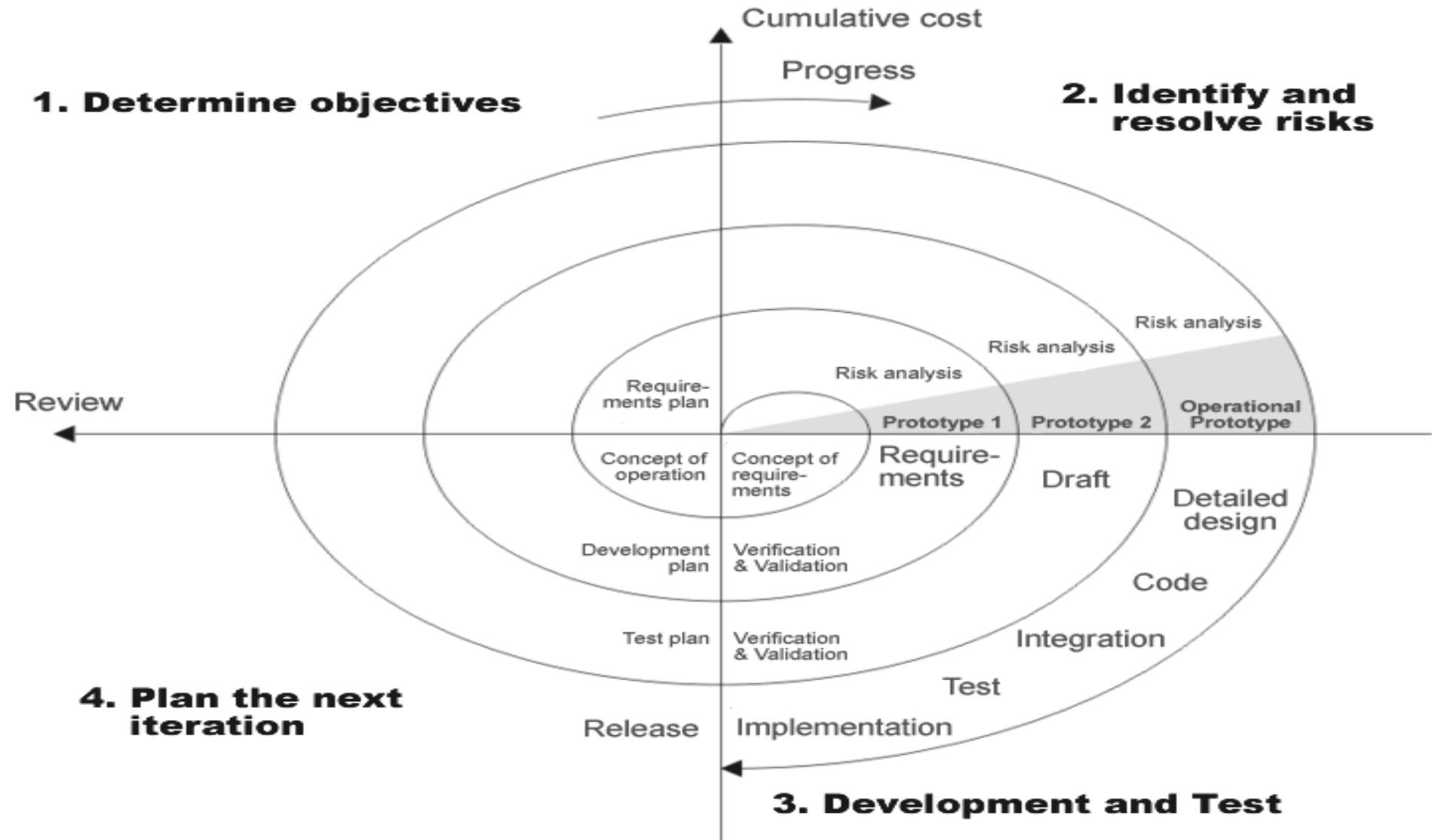
Common Methodologies

- Waterfall
- Rapid Application Development (RAD)
- Rational Unified Process (RUP)
- Spiral
- Agile
 - XP
 - Scrum

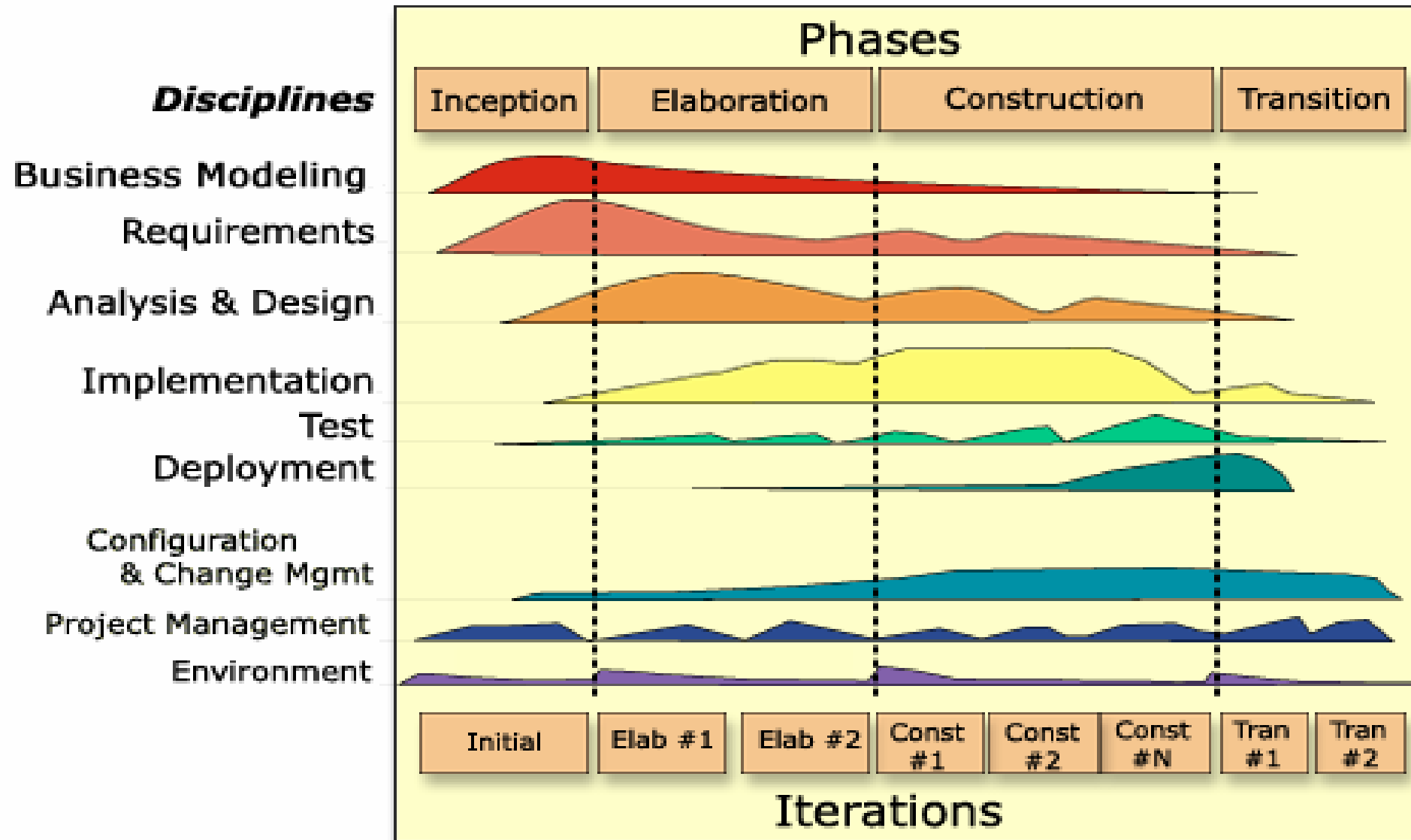
Waterfall



Spiral

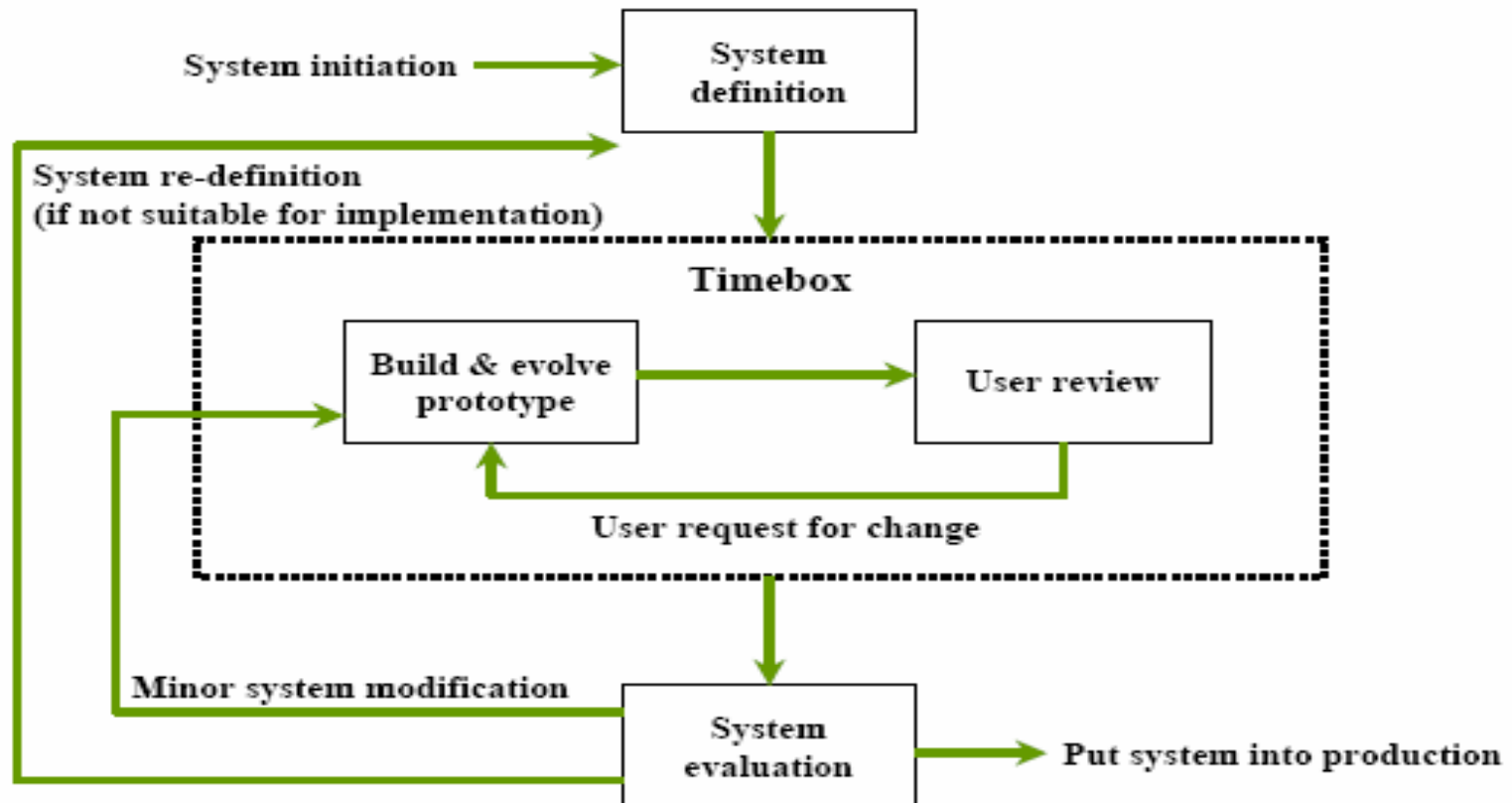


Rational Unified Process

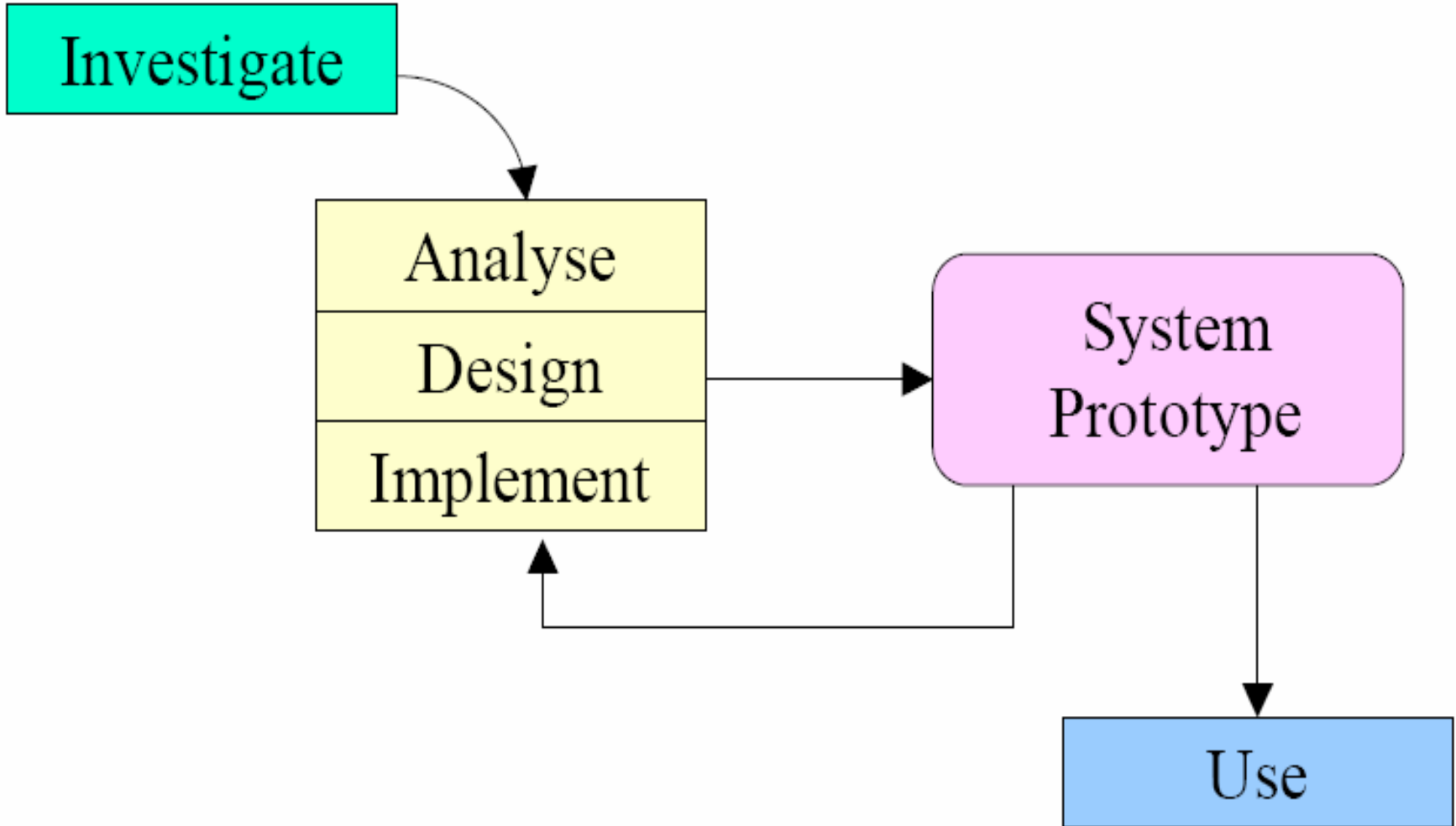


RAD

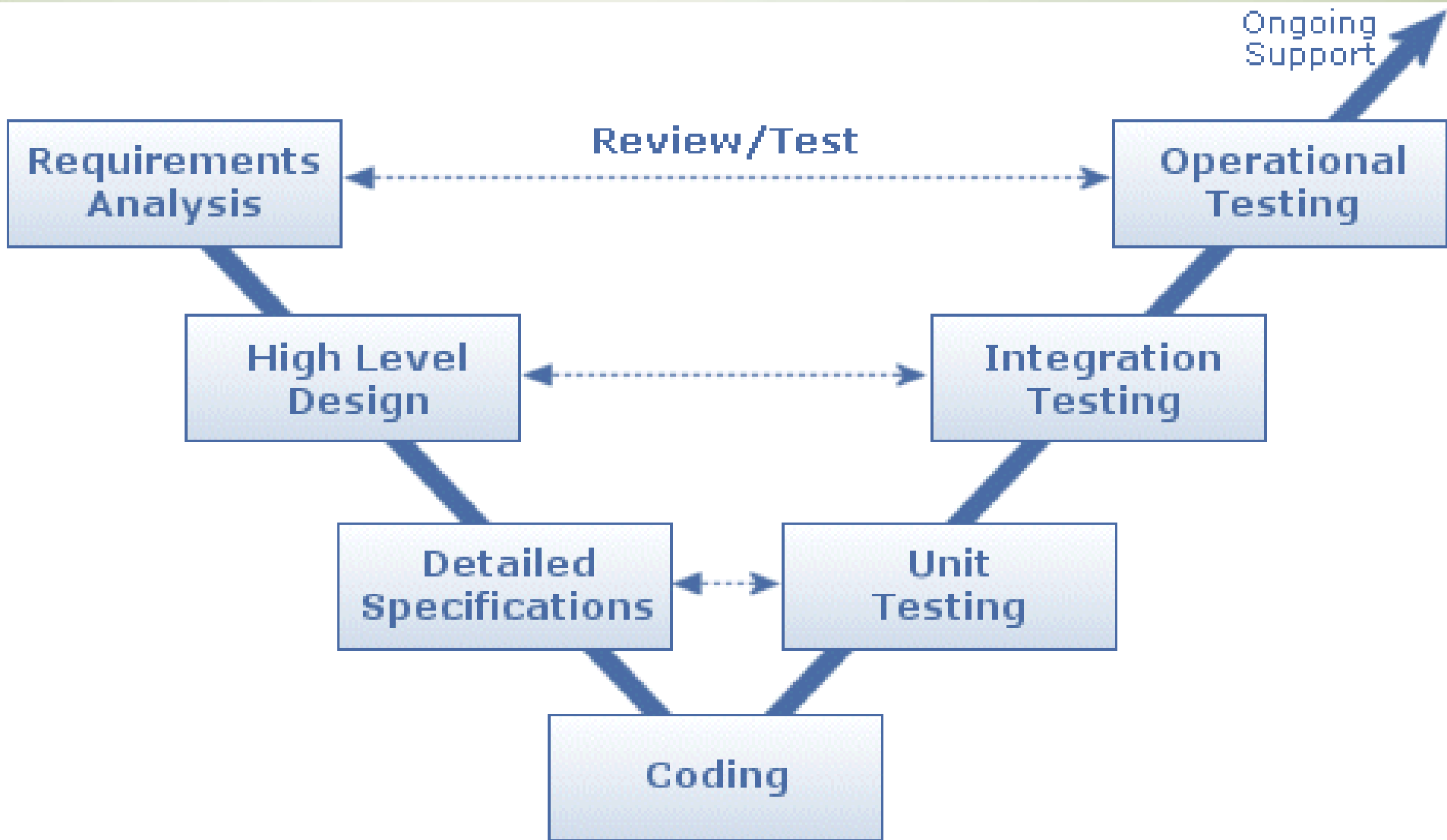
Rapid Application Development



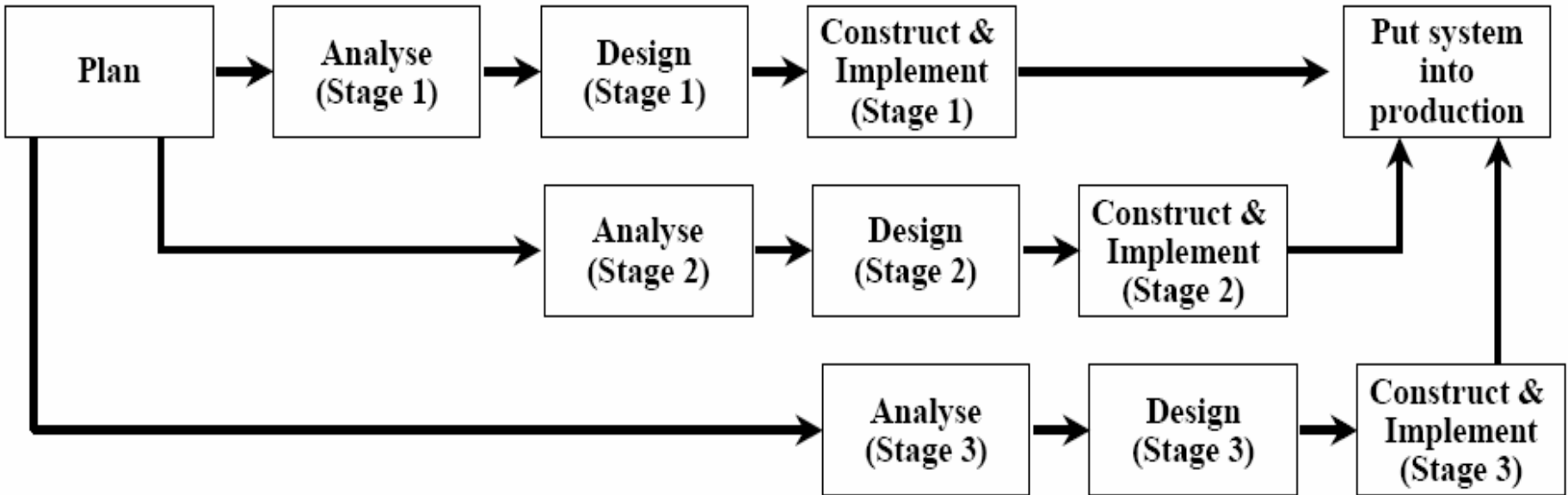
Prototyping



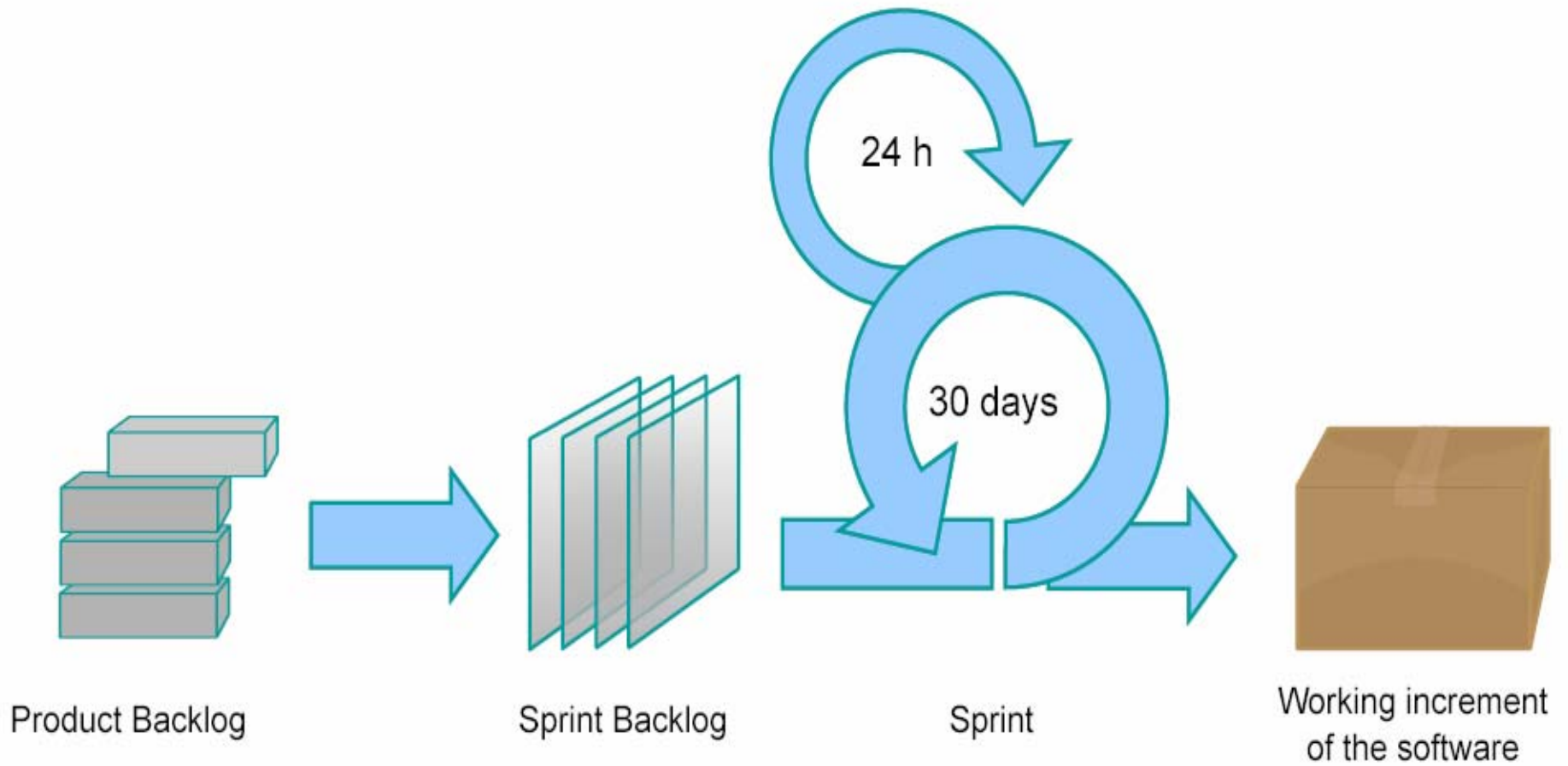
V



The Agile Approach



Scrum



XP

