

Software Project Management

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EBT11: Intro to Programming and Distributed Systems **Lecture 03**

4A14, ITU, Copenhagen, Denmark

Project

- ***Planned Activity***
- Distinguishing Characteristics
 - Non-Routine Tasks
 - Planning is Required
 - Specific Objectives/ Specific Product
 - Predetermined Time Span
 - Work for Others
 - Specialized Work
 - Temporary Work Groups
 - Limited and Constrained Resources
 - Usually Large and Often Complex

Software Projects vs. Other Projects

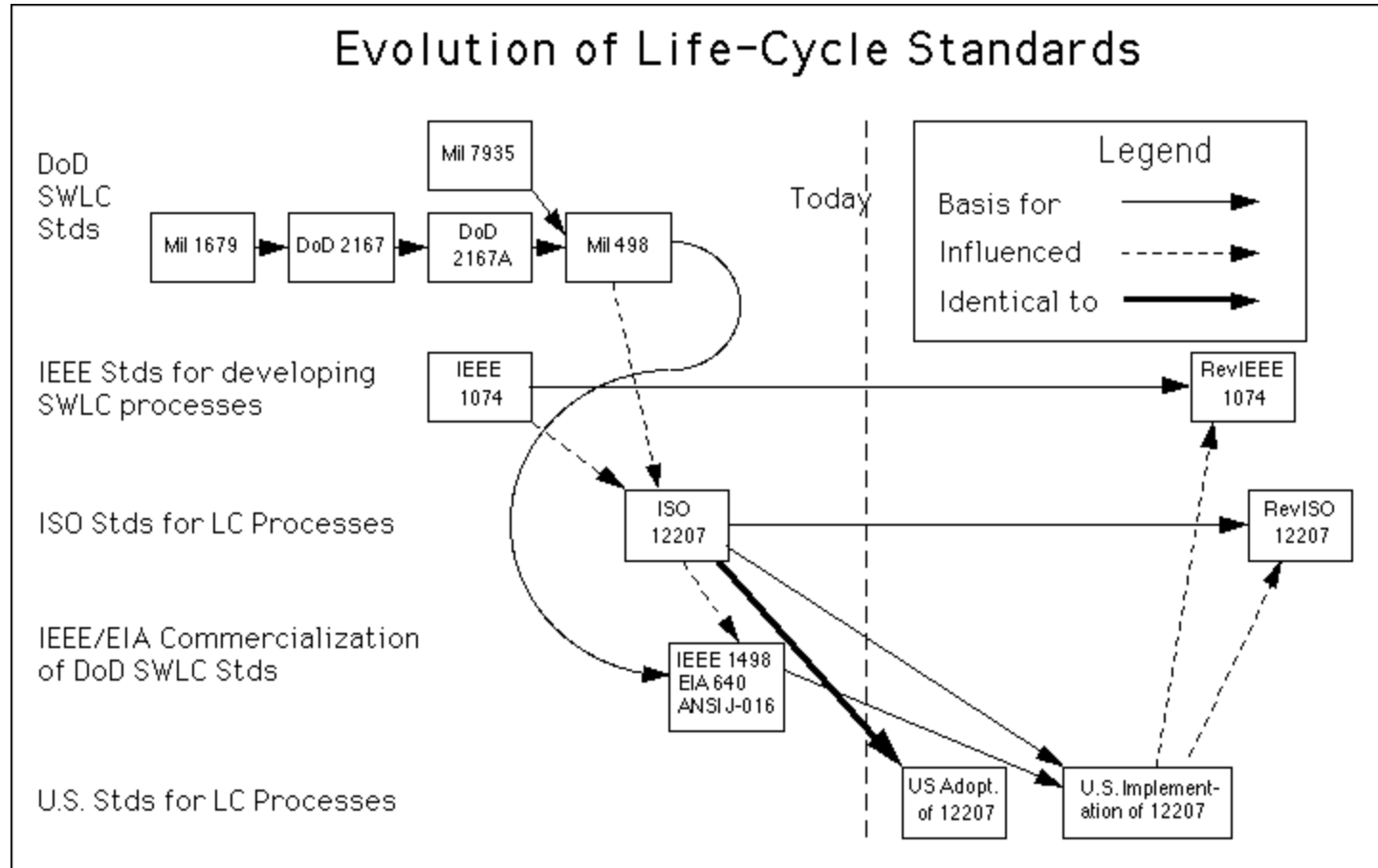
- Invisibility
- Complexity
- Conformity
- Flexibility

(Fred Brooks)

Software Projects: Three Successive Processes

1. Feasibility Study
2. Planning
3. Project Execution

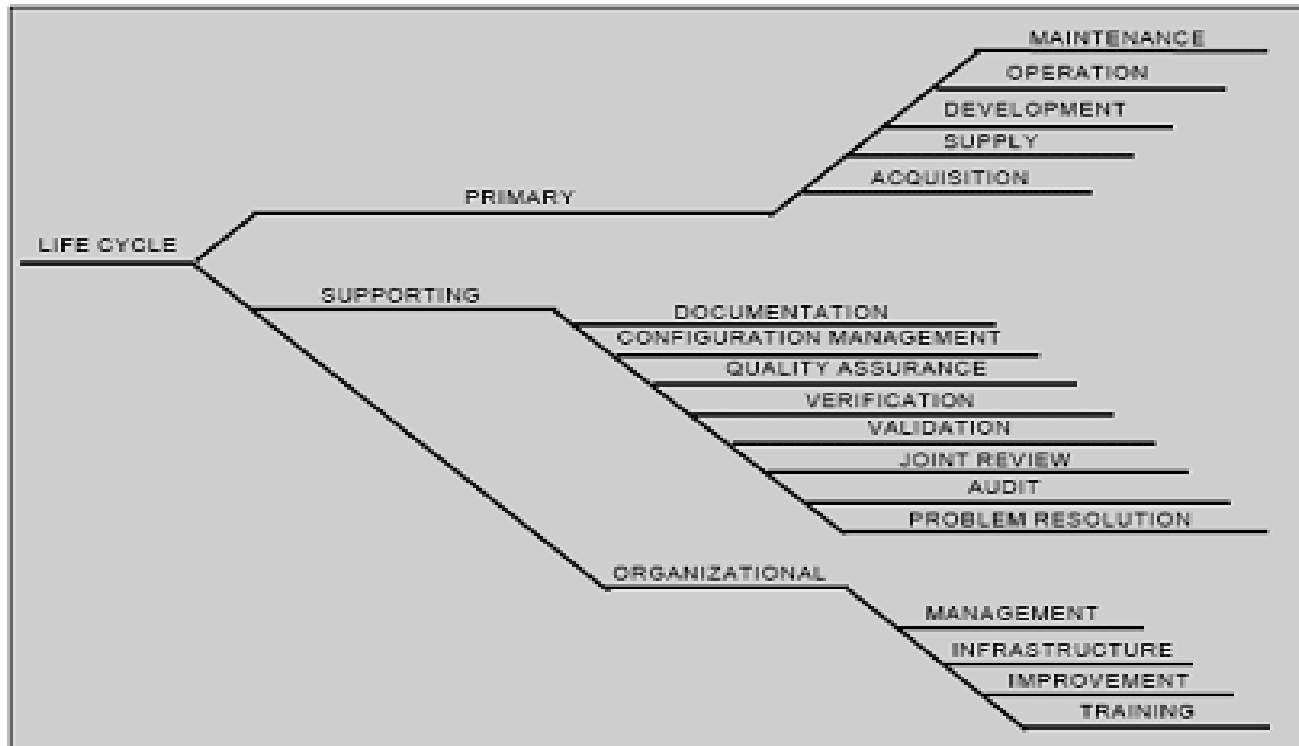
Software Lifecycle Process: Evolution



<http://www.acm.org/tsc/Evo.gif>

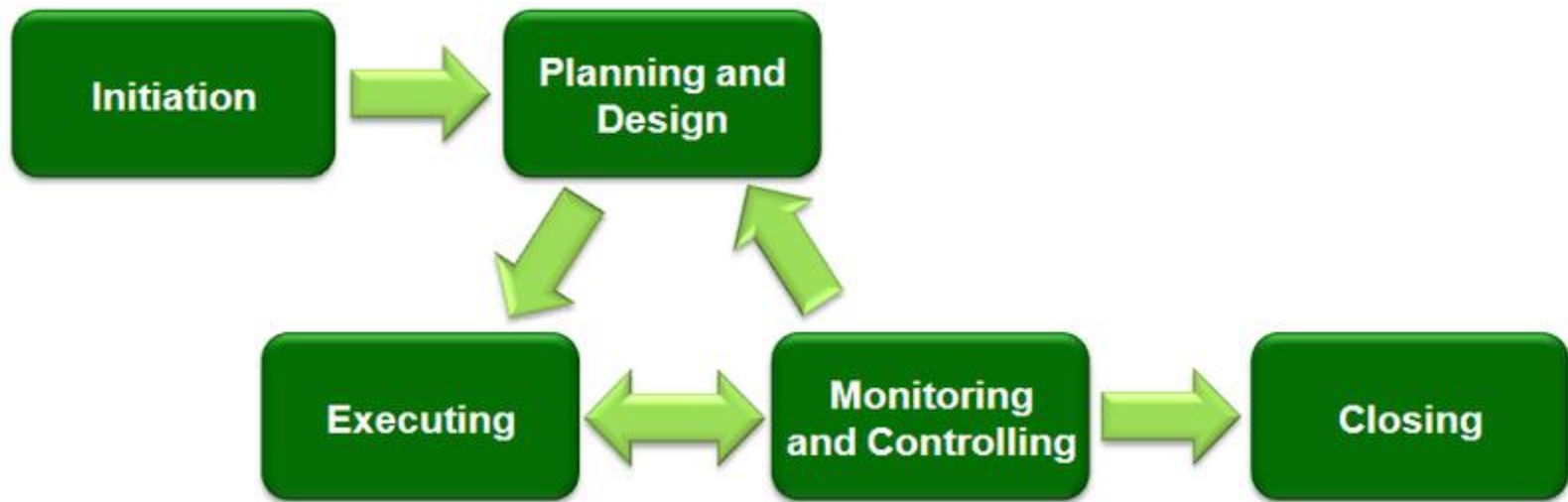
Software Lifecycle Process: ISO 12207

ISO 12207 – Life Cycle Processes



<http://www.amelior.be/grafix/common/pix/focus42a.gif>

Software Project Models: Traditional



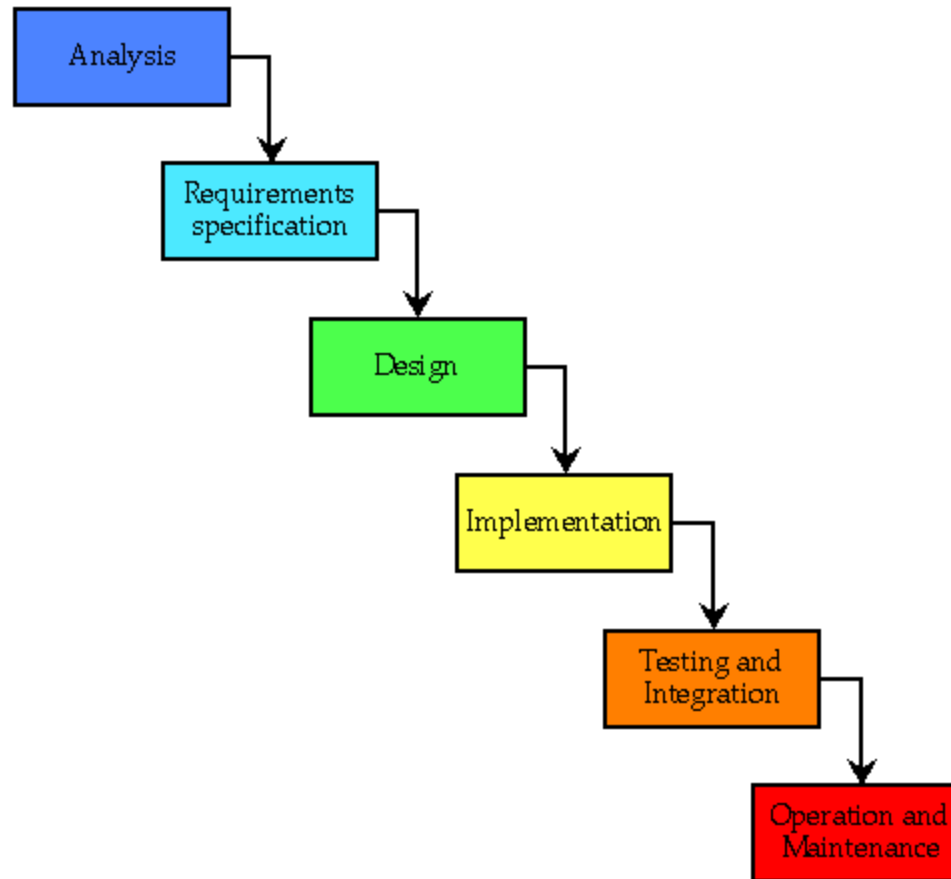
http://en.wikipedia.org/wiki/Project_management

Software Project Management Approaches: Extreme Programming

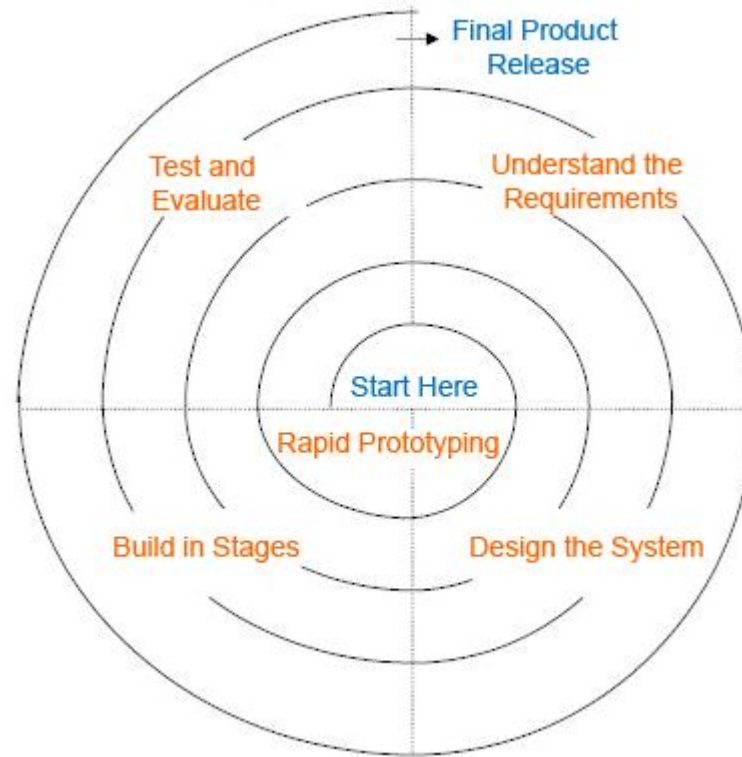


http://en.wikipedia.org/wiki/Project_management

Software Project Process Models: Waterfall Model



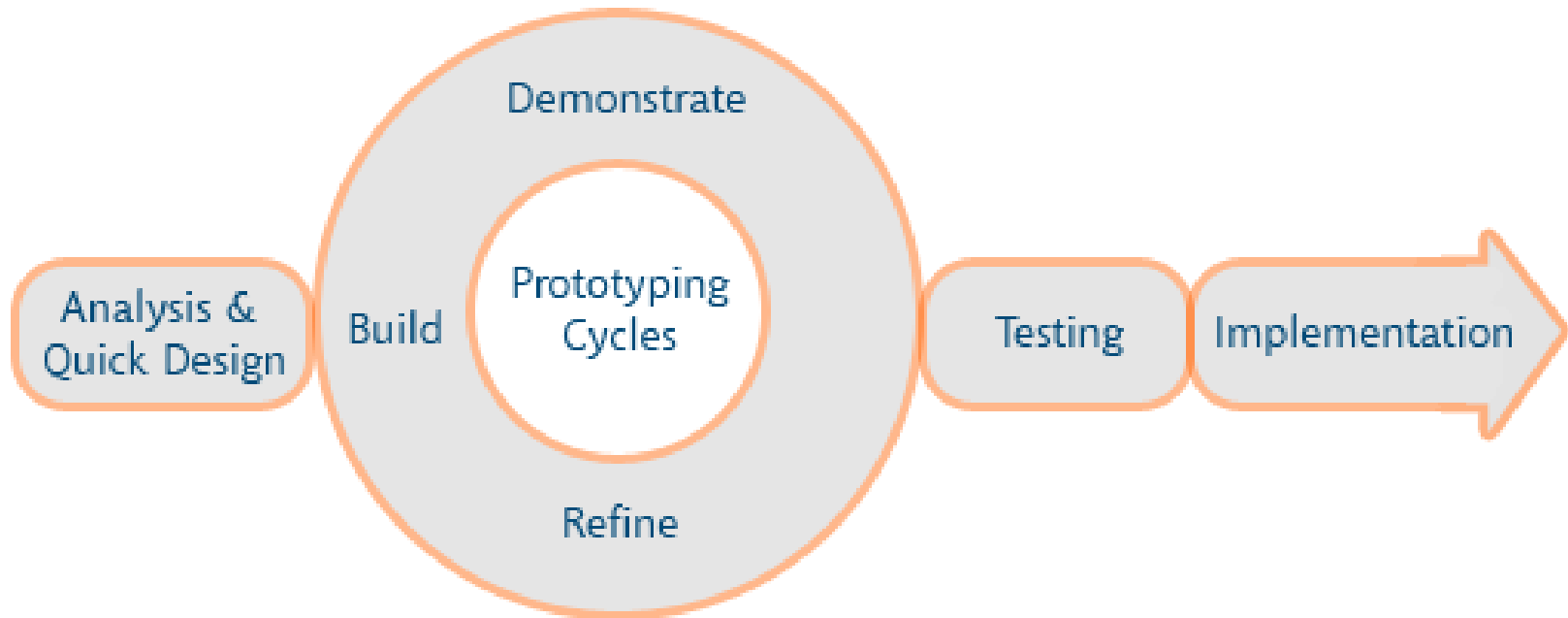
Software Project Process Models: Spiral Model



<http://www.iblesoft.com/methodologies.htm>

Software Project Process Models:

Incremental Process Models: The RAD Model

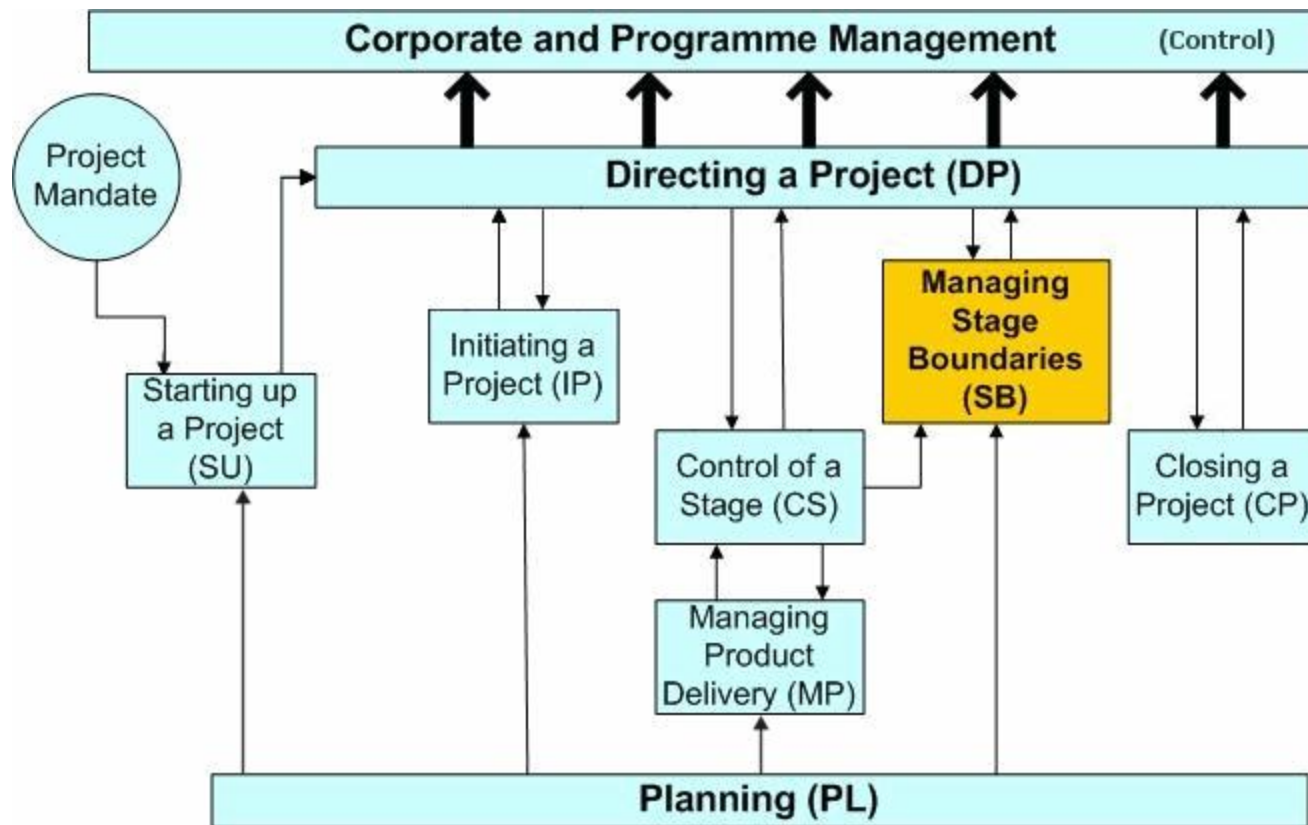


<http://www.iblesoft.com/methodologies.htm>

Software Project Management Methodology

PRINCE2

Projects IN Controlled Environments (PRINCE)



http://en.wikipedia.org/wiki/Project_management

Discussion