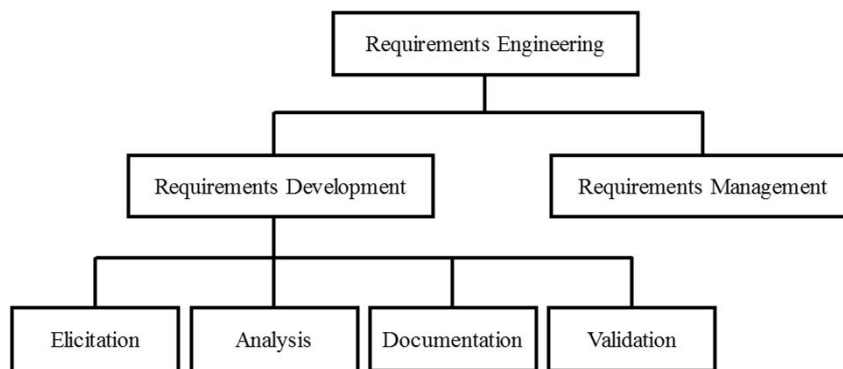


Requirements Engineering

Uolevi Nikula, LUT

Software provider vs. customer / requirements vs. design -cartoon

A RE taxonomy (Wiegers 2003)



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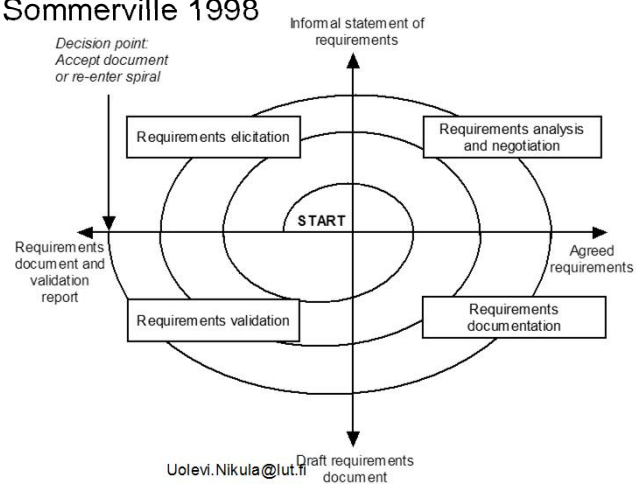
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Requirements Development

Kotonya and Sommerville 1998



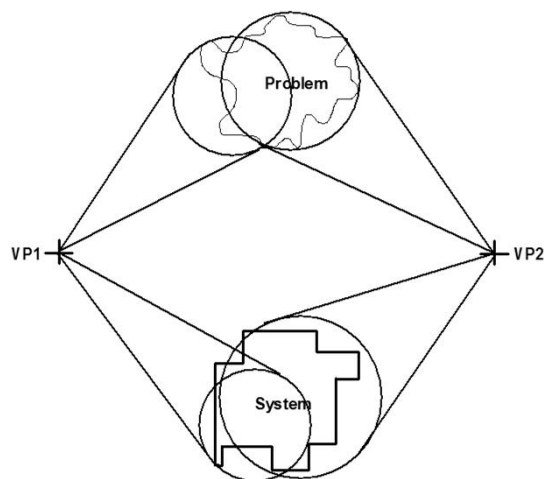
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Viewpoints



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Requirements and Change

No matter where you are in the system development life cycle, the system will change, and the desire to change will persist throughout the life cycle.

Bersoff et al. 1980

The top five causes for poor cost estimation all relate to the requirements process

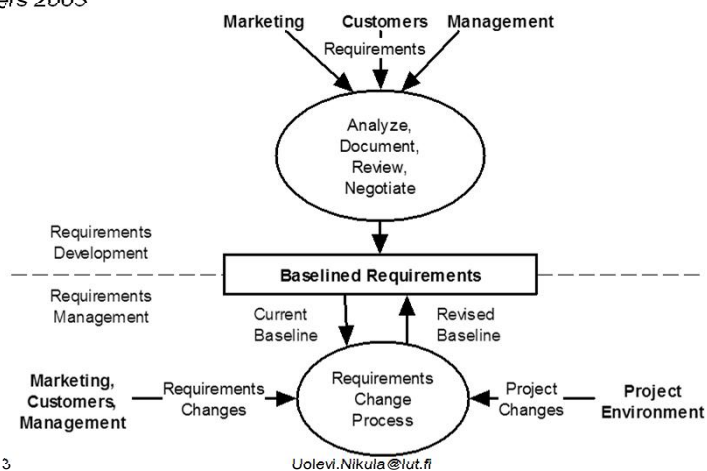
1. *Frequent requirements changes*
2. *Missing requirements*
3. *Insufficient communication with users*
4. *Poor specification of requirements*
5. *Insufficient analysis*

Lederer & Prasad 1992

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Requirements Development vs. Management

Wiegiers 2003



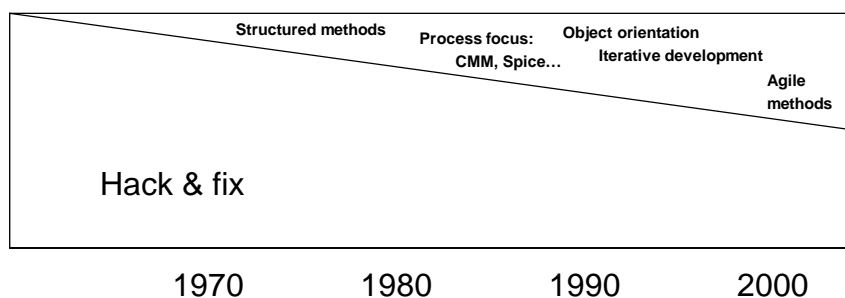
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History of Software Engineering



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What is a method?

- A systematic information systems method consists of 5 elements (cf. Avison ja Fitzgerald 2003, s. 31-32)
 1. A sequence of steps
 2. Techniques
 3. Tools
 4. Training program
 5. Philosophy or the fundamental assumptions and the starting points of the method

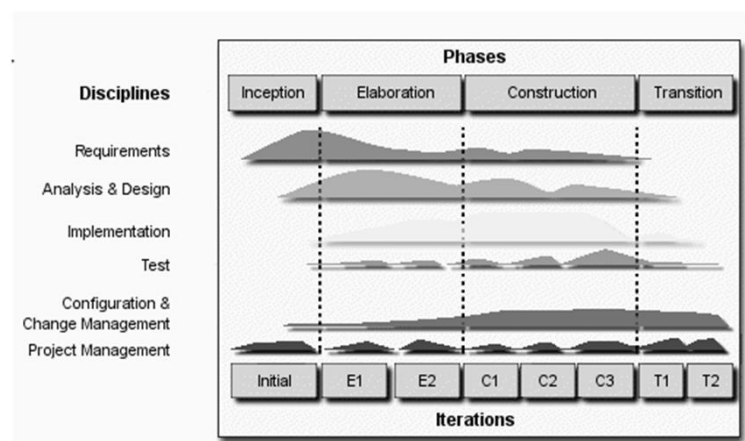
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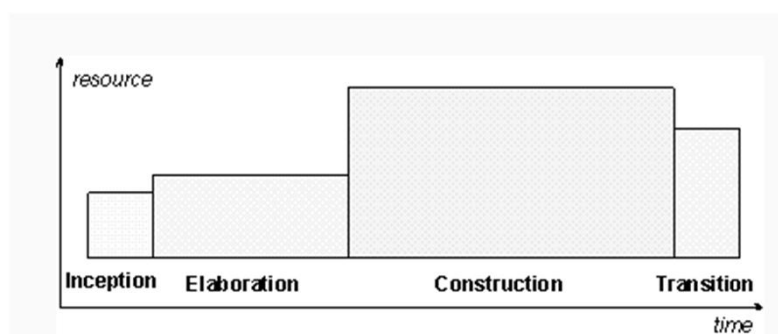
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Rational Unified Process (UPEDU)



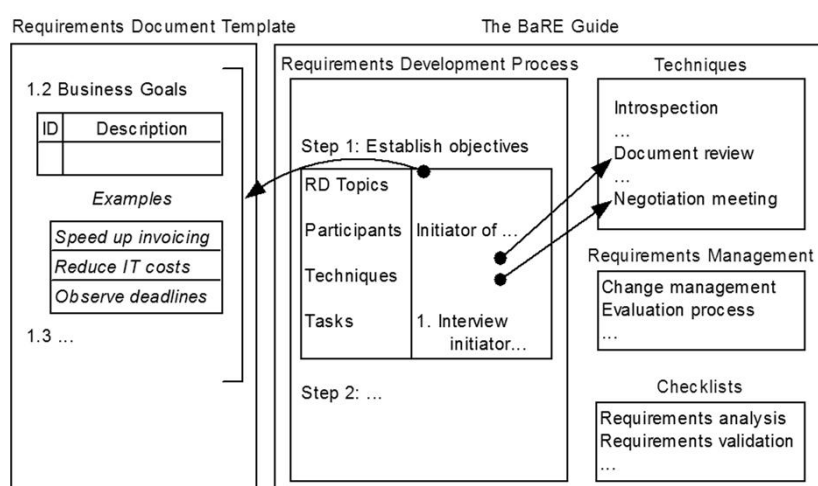
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RUP – Schedule and Effort



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BaRE – Basic Requirements Engineering



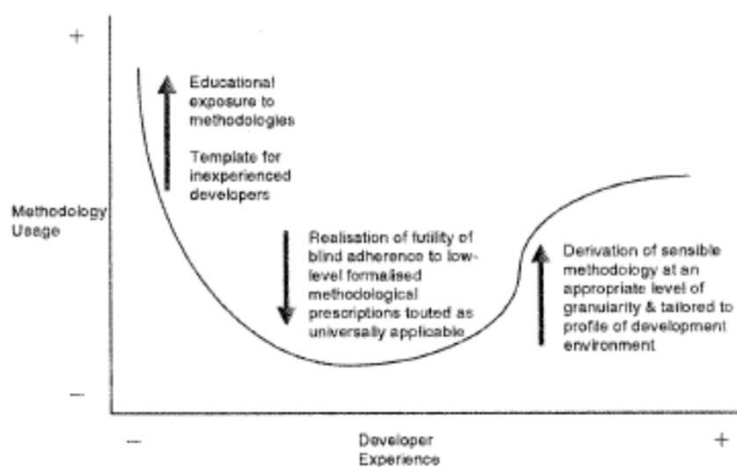
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Methods in action



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