

The marriage of doctoral dissertation and practical development: How to reach a happy end?

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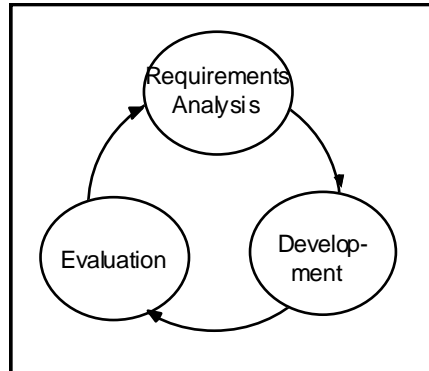
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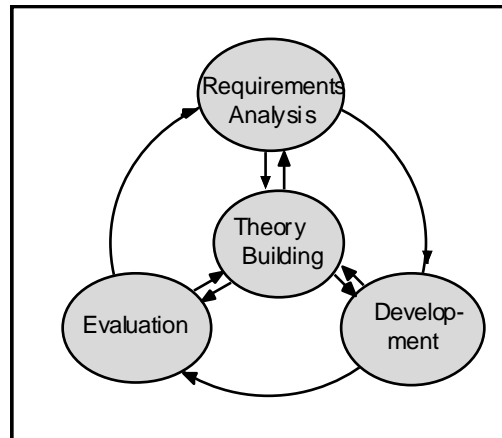
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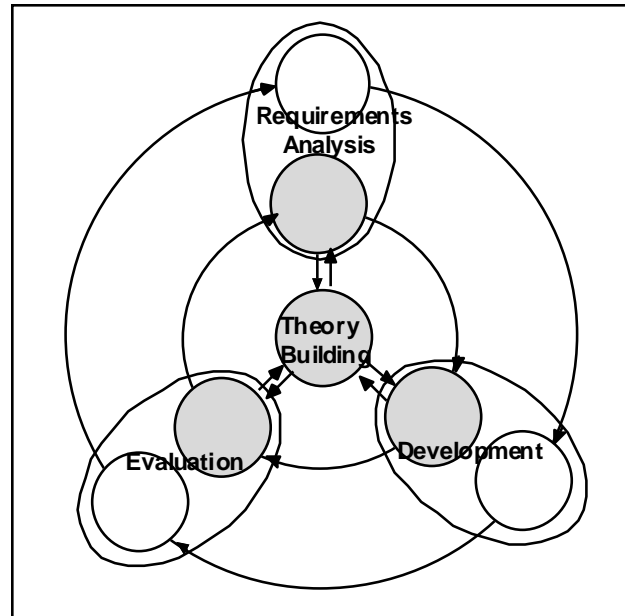
IT evolution



IT-related research life cycle



Collaborative development: the marriage of research and practical development



Requirements analysis

Goals for practitioners

- identifying and understanding problems, needs and constraints for practical improvements in the community
- activating communication in the community
- improving motivation in the community

Goals for researchers

- extending knowledge about needs and constraints for IT solutions
- understanding the domain
- discovering and identifying meaningful research questions
- testing requirements analysis methods

Development

Goals for practitioners

- solving practical problems in the community
- utilizing new technologies
- developing best practices
- finding models for future development

Goals for researchers

- exploring ideas
- demonstrating feasibility of new ideas and theories
- extending knowledge about new kinds of IT solutions
- gaining experience for future development solutions
- testing development methods

Evaluation

Goals for practitioners

- determining the quality of solutions
- identifying further improvement needs
- supporting motivation in the community

Goals for researchers

- extending knowledge about usefulness of solutions
- gaining experience for future development solutions
- discovering further research areas
- testing evaluation methods

Theory building

Goals for practitioners

- finding useful concepts, methods, and tools to solve problems in the community
- understanding the complex domain

Goals for researchers

- extending knowledge about concepts, models, and methods useful in research and practice

See the difference.

Make it end.