

Tre perspektiver på endring og sikkerhet

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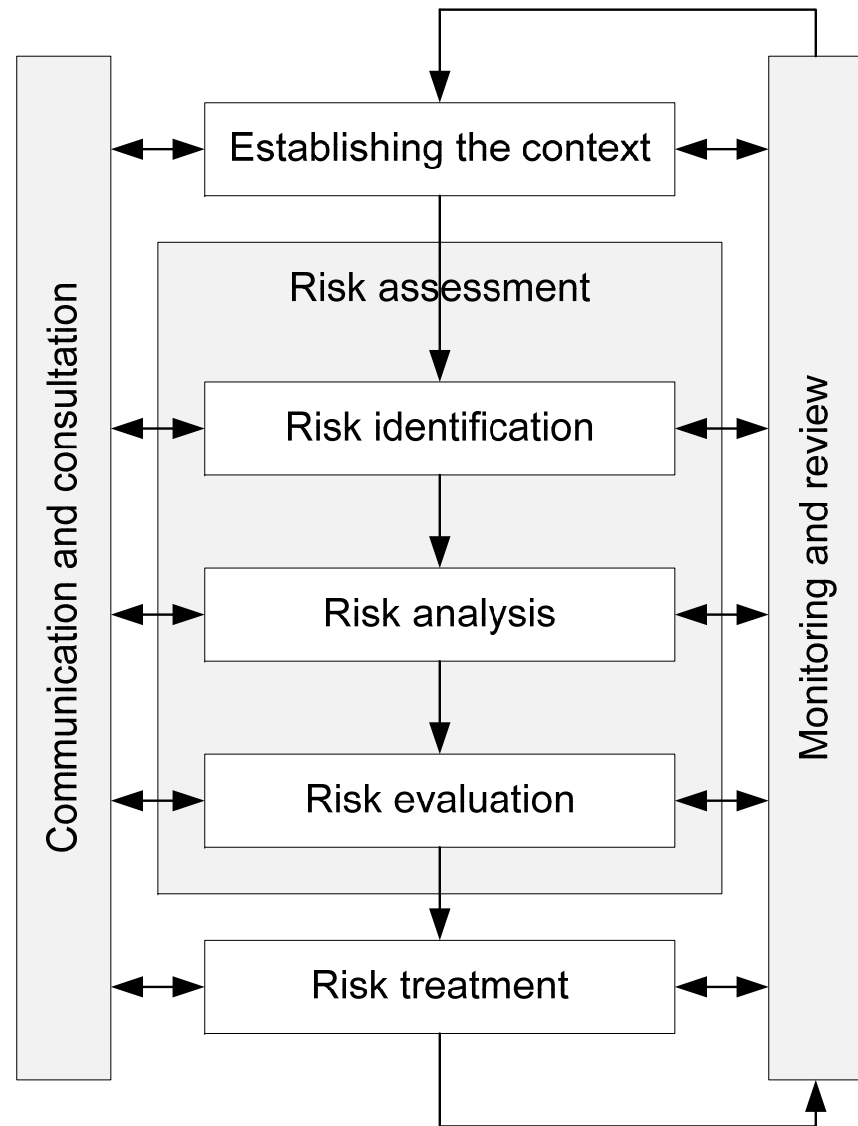
Joint work with Lund & Solhaug
See IEEE Computer, May 2010



Overview

- Risk analysis
- Tre perspectives on change and risk
- The maintenance perspective
- The before-after perspective
- The continous evolution perspective
- A classification of the notion of dependability
- Conclusions

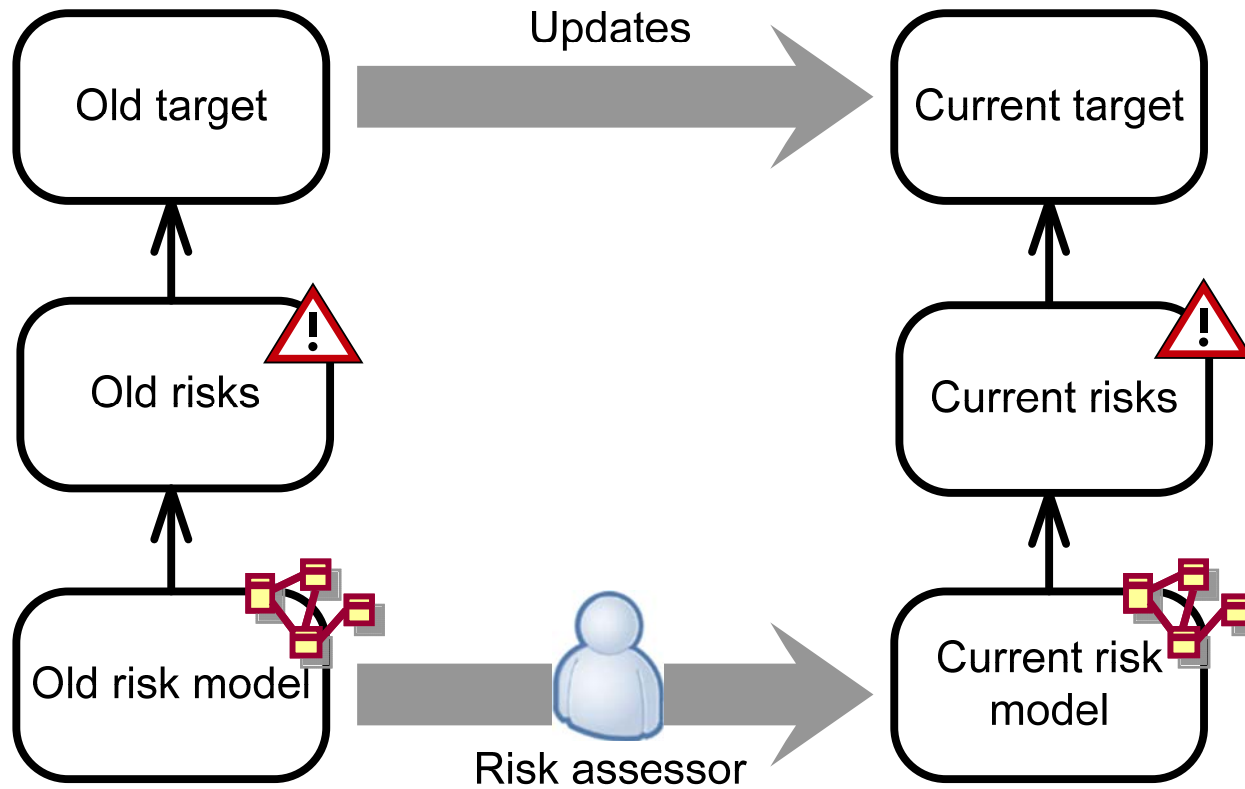
Risk Analysis



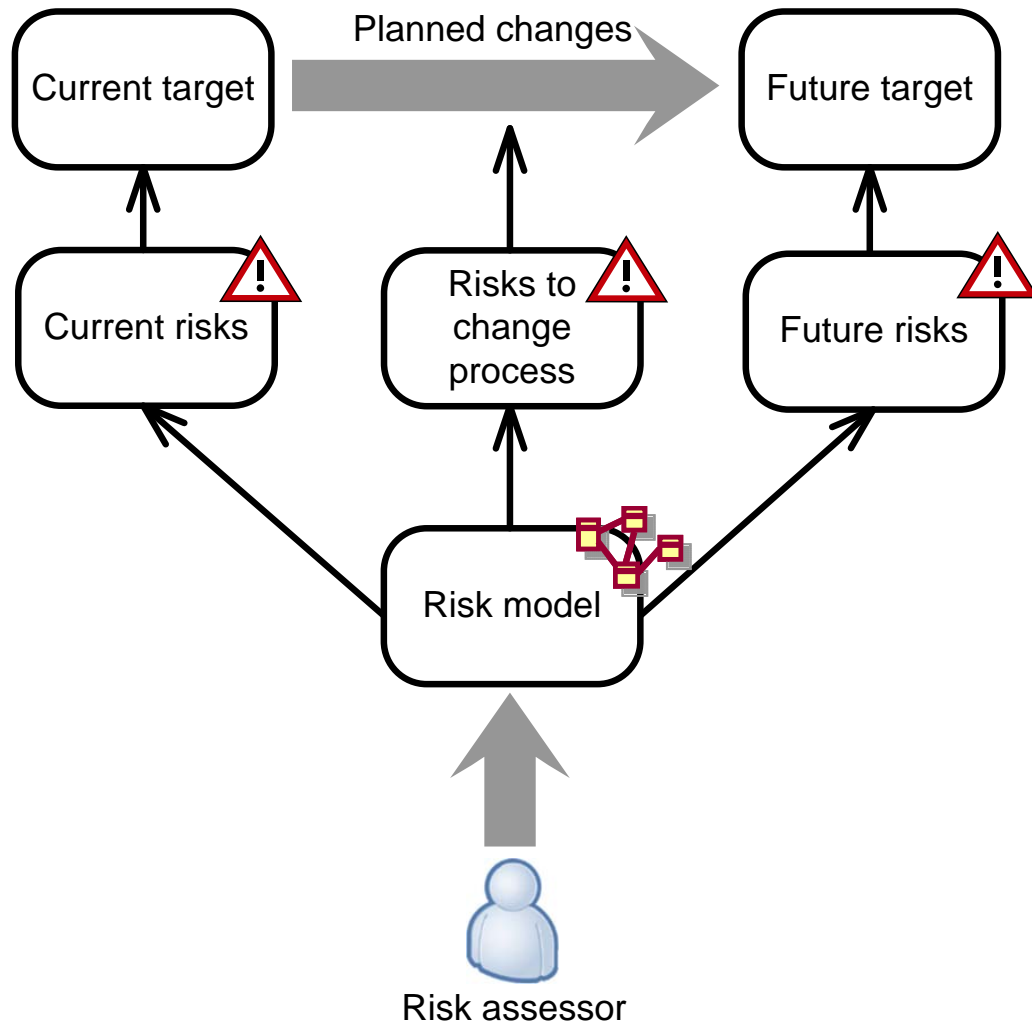
Three Perspectives on Change and Risk

- The maintenance perspective
- The before-after perspective
- The continuous evolution perspective

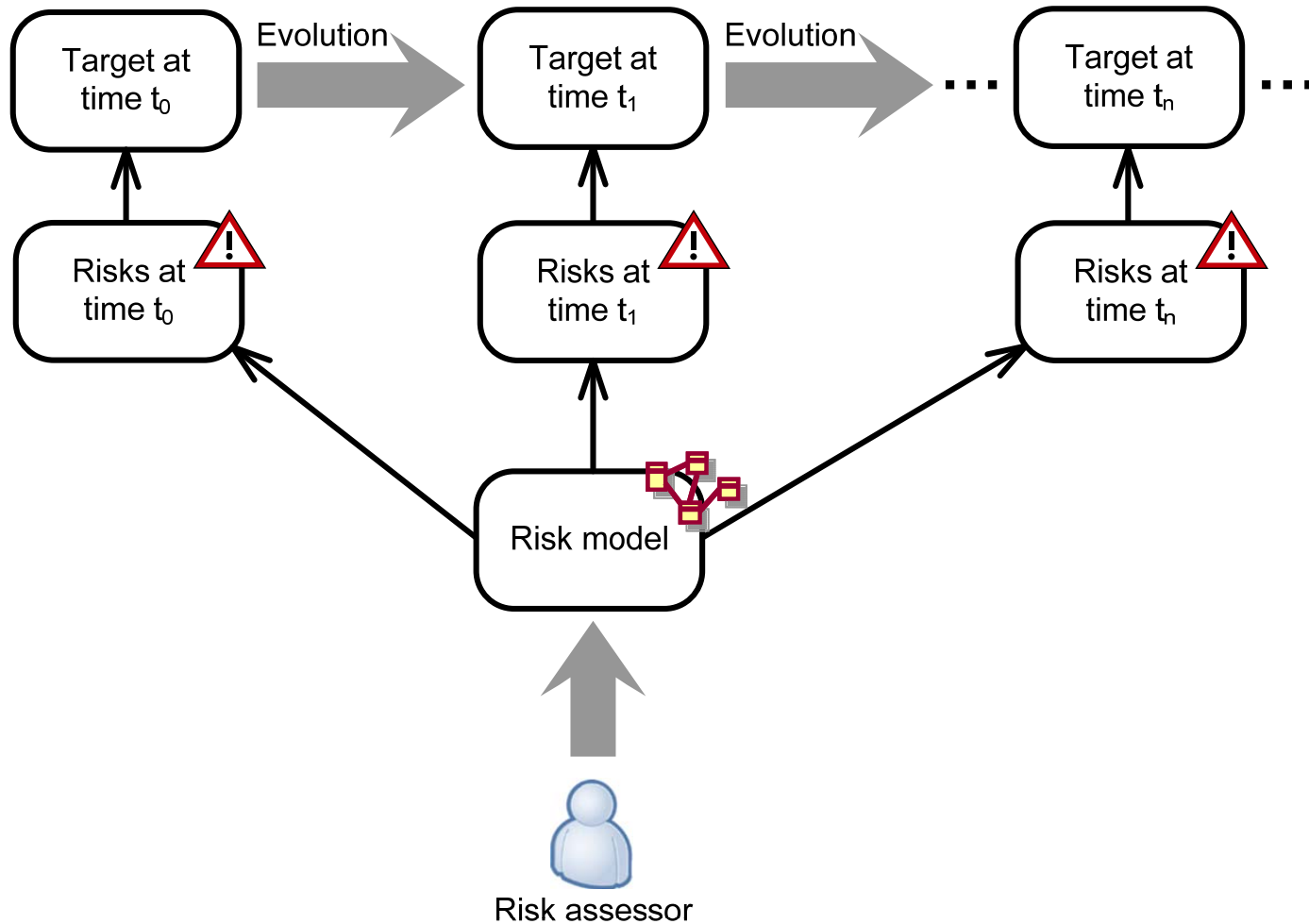
Maintenance Perspective



Before-after Perspective



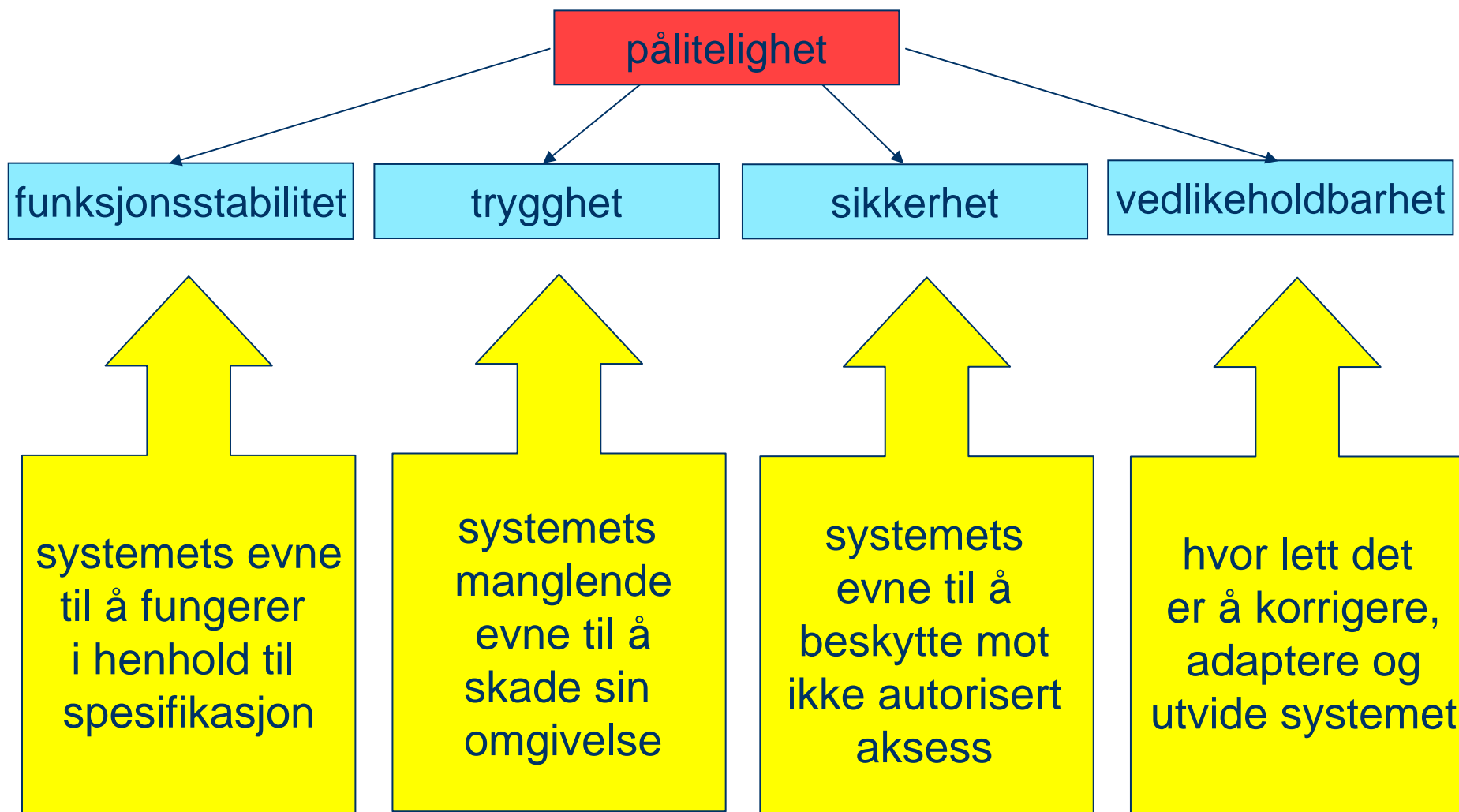
Continuous Evolution Perspective



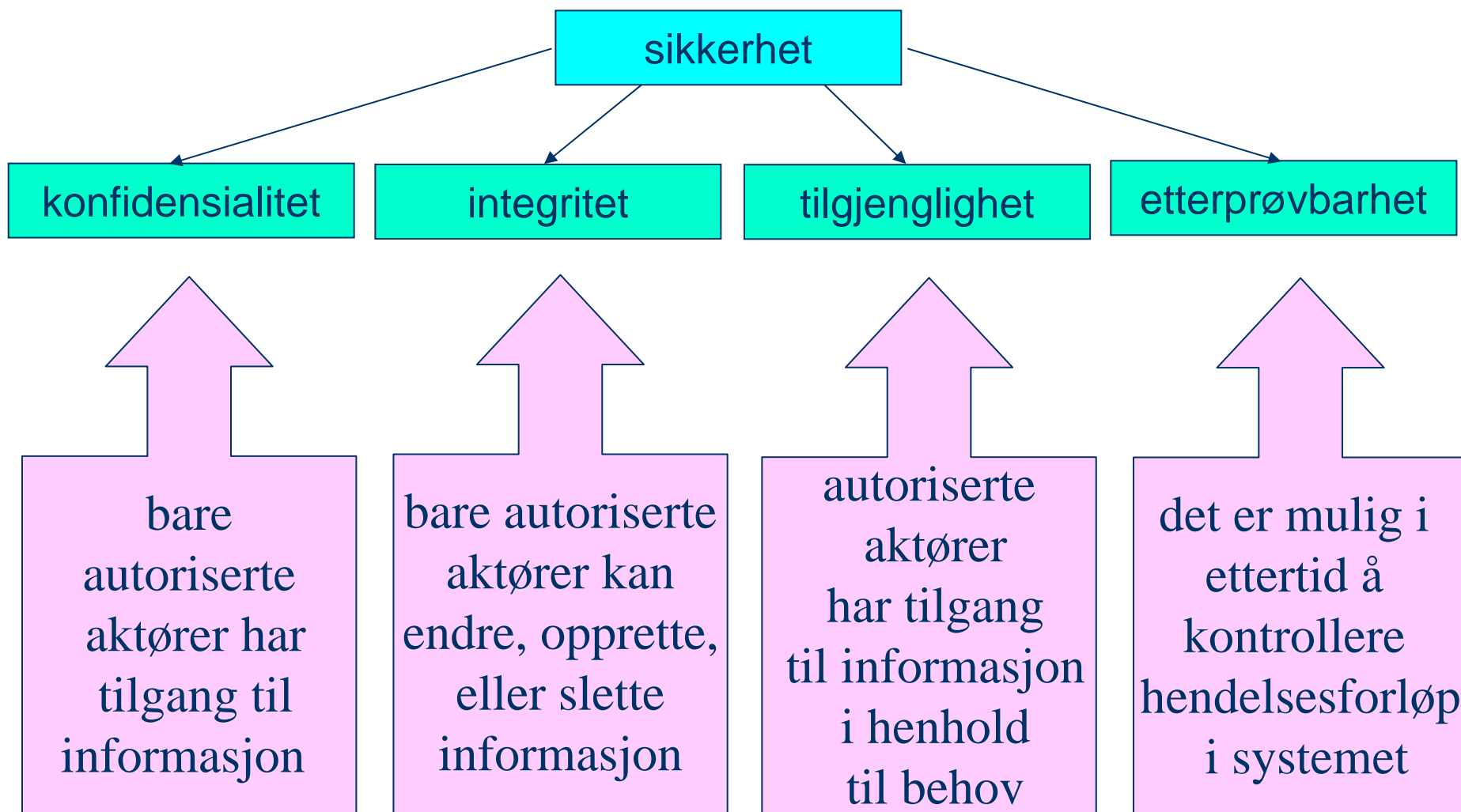
A Classification of the Notion of Dependability

Inspired by
Avizienis, Laprie, Randell

Pålitelighet (Dependability)



Sikkerhet (Security)



Conclusions

- Different perspectives require different measures
- Address only one perspective at the time
- Make sure that your client has fully understood and accepted the choice made
- The perspectives of change are orthogonal to the notions of dependability
- In order to determine which notion of dependability you are interested in carefully define your assets
- Different notions of dependability lead to different classes of threat scenarios