1. Introduction

RQ =

How to design ... ?

What is the optimal designer ... ?

2. Design Science & models

Van Fraassen, P. Cartwright,...

1. Use theory to build model
2. Use theory to analyze model
3. Include theory in each model
Cibovna paper

1) Cibovna difficult to install
2) Cibovna says why

UKSS \rightarrow TSI
\rightarrow Assert powerful

Pac-Man paper

Focus on the model, Panoply as a needed, Chess, Poker, Panoply, Pac-Man.

modellen len
instant accessibility on millennium
she can.

modeller - theory
Panoply - model / spill
Red light
Has an problem?
Has an common?

model

OR

HDM

Figure 1, XXX 1976.

Why is the horizon to compare OR and HDM?

Philosophical paper?

What is SPI?
2. Literature review

What do we do when we assess an organism according to a model like CMM1?

* Understand the living model or real world?

* Hesseil

Scientists → theory
engineers → models
managers → real world
Is there a core model?

Then an scaled model.

Pyramidal model

The thing is that level 3 builds upon level 2 etc.

Is it a good model?

- explain = fits with data
- predict

ISO 9000

John Seiden argues. There are assumptions built into the model that conflict with Deming's theory of quality management. In other words, the ISO model is a poor approximation of reality. The Deming model is much better.
The science of SPI consists of developing a SPI model, models and theory.

The practice of SPI consists of applying SPI models and theory for improving software processes. Does it work?

1) Was the model understood and correctly implemented? (process)

2) What are the results? (product)

In 90% of the cases, the model was neither properly understood nor implemented in a correct manner. But, that is why we need external auditors.

We need to develop better models and theory on how to make sure the frameworks are correctly implemented.
The purpose of DSIR is to find optimal strategies? Procedural rationality.

Spiel Theor., game theory.

[Diagram of a decision tree or network graph]

[Handwritten note]

Decision strategies for solving the SPI game: Actual research & Design Science
Why should I bother with DSR?

1) One of my main concerns is how to define SPI as DSR.

2) Should I compare my research with that of Anna Börjesson?

I have chosen to do DSR when others have done AR. Why?