



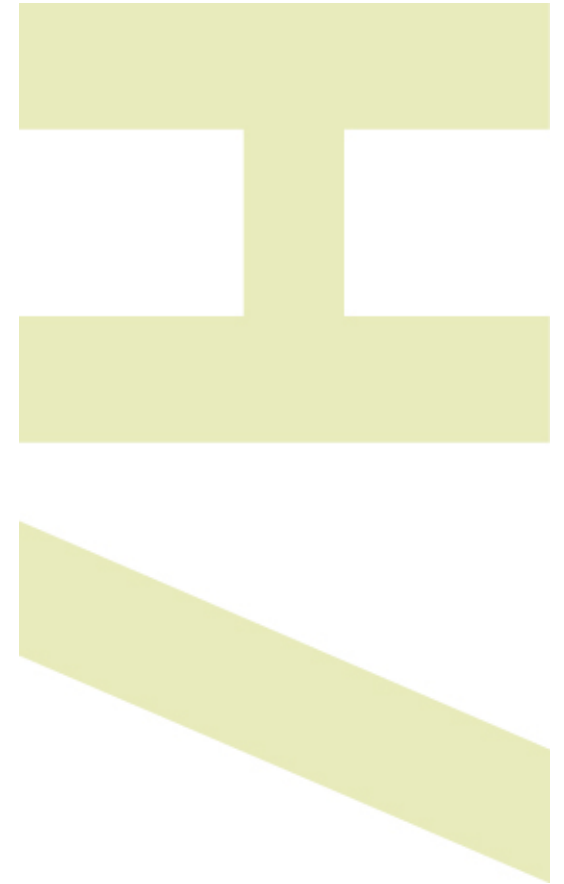
The Personal Knowledge Base Conception of Information Literacy

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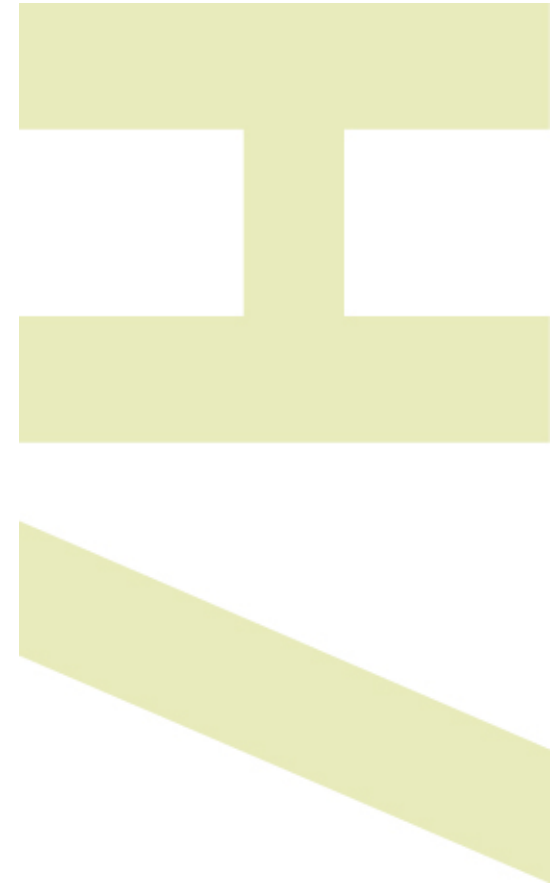
Overview

- Different conceptions of IL
- Study design
- Types of Personal Knowledge
- Complete picture
- Questions and discussion



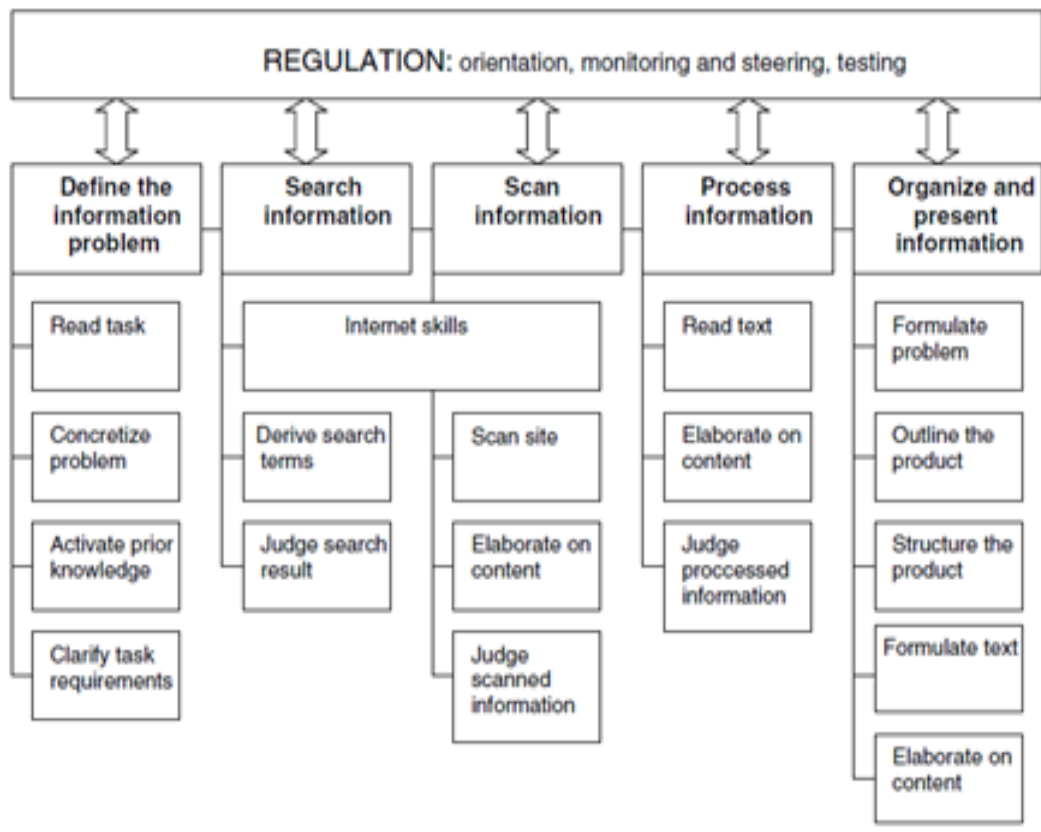
Christine Bruce's terminology

- Conception: how a phenomenon is experienced



Major conceptions of IL in literature (1)

Conducting a process (IPS)

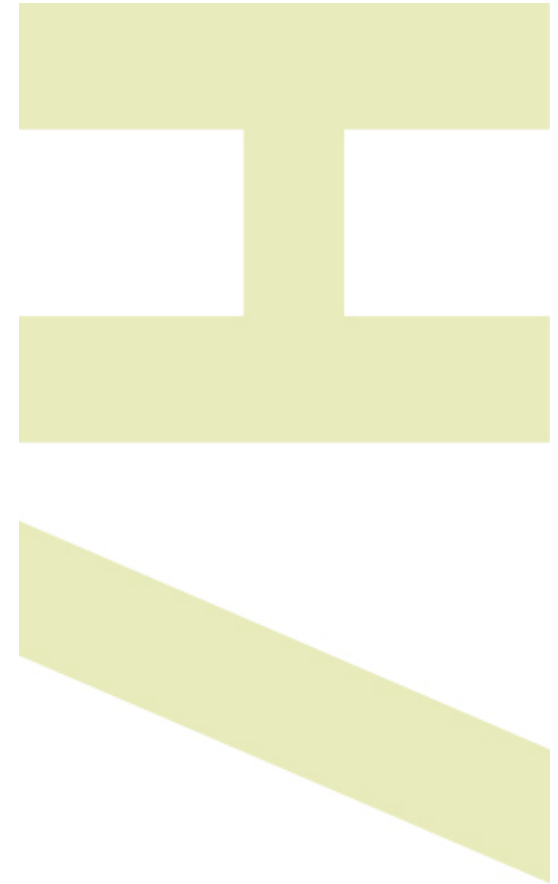
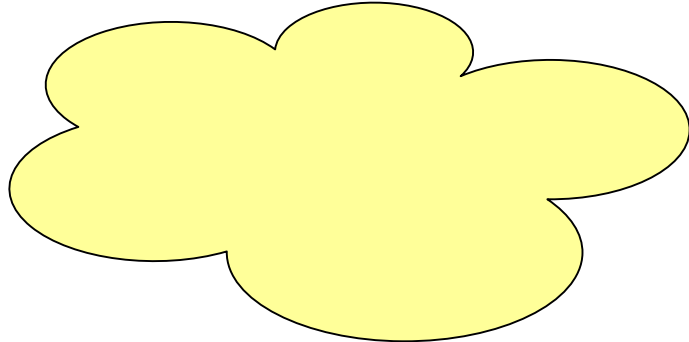


Skills hierarchy for IPS
Brand-Gruwel et al., 2005

Major conceptions of IL in literature (2)

Building or extending personal knowledge

For instance: Boekhorst, 2000



Study design

Research question

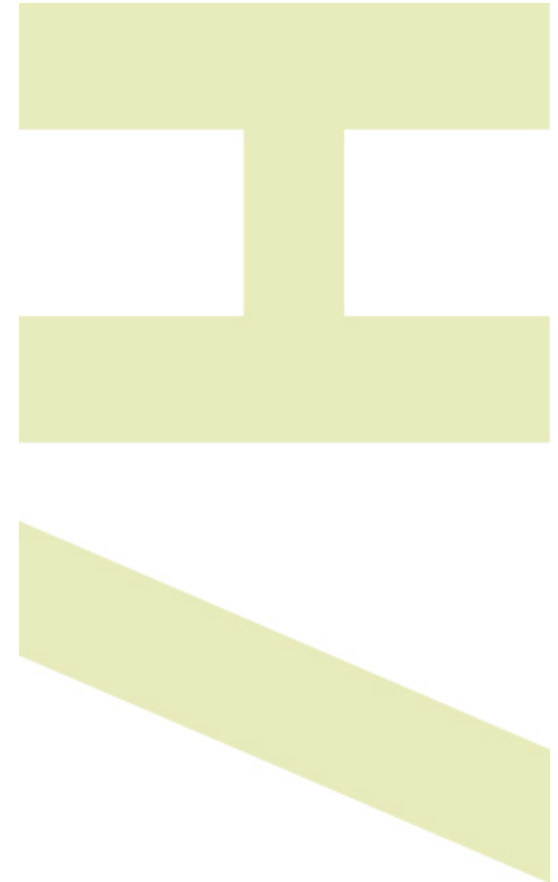
- Which knowledge types can be distinguished in someone's Personal Knowledge Base?

Research method

- Answers were supposed to be found in learning science literature.

Purpose of the research

- Construction of an IL model which integrates Information Problem Solving with the concept of a Personal Knowledge Base.



Van Merriënboer, 2002

Body of knowledge of the discipline

- mental models
- cognitive strategies

Schaap et al. 2009

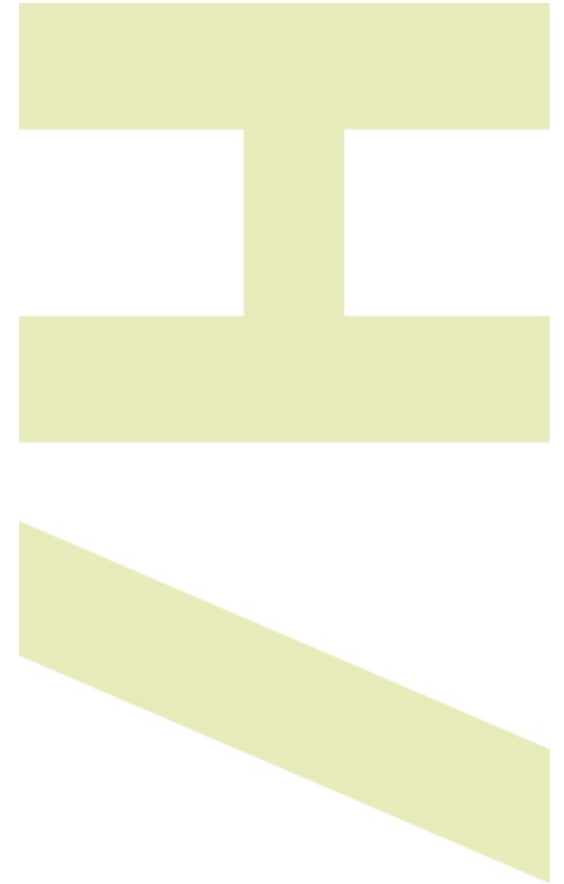
Body of knowledge of the discipline

- mental models
- cognitive strategies
- norms, values, beliefs

Pintrich, 2002

Metacognitive knowledge

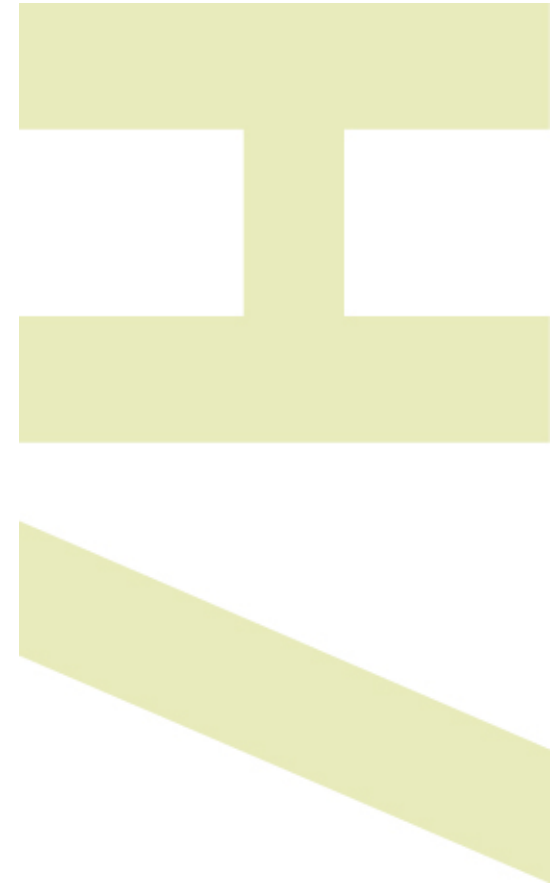
- knowledge about cognitive tasks
- general cognitive strategies
- self knowledge



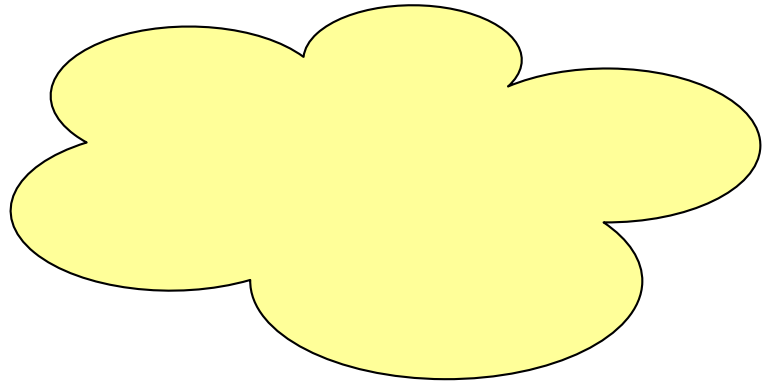
Alexander, Schallert & Hare, 1991

Metacognitive knowledge

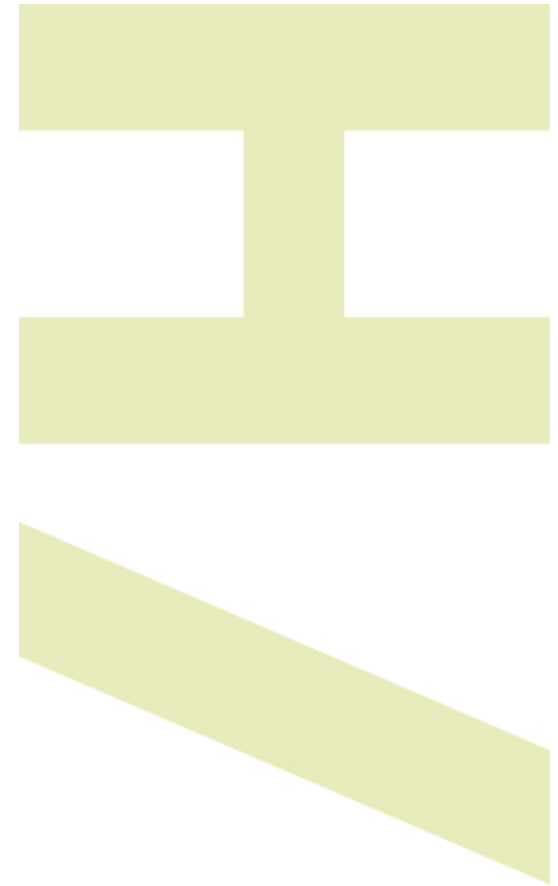
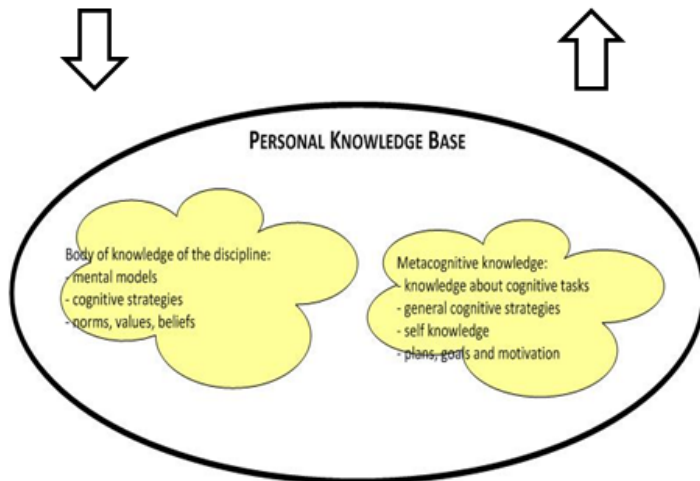
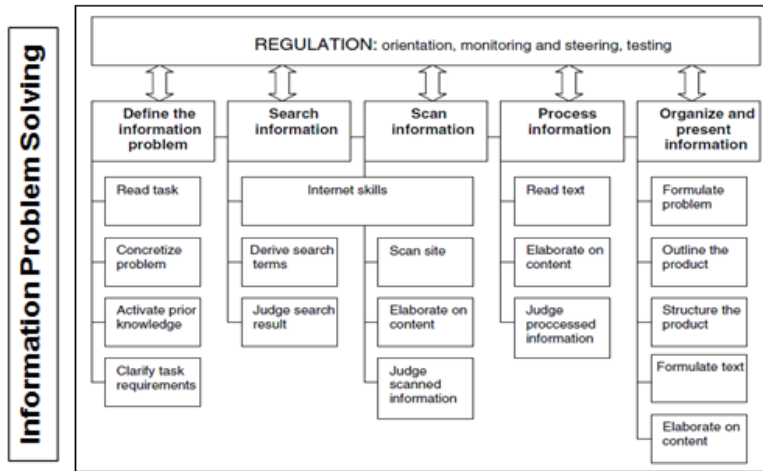
- knowledge about cognitive tasks
- general cognitive strategies
- self knowledge
- plans, goals and motivation



Conclusion: the complete picture

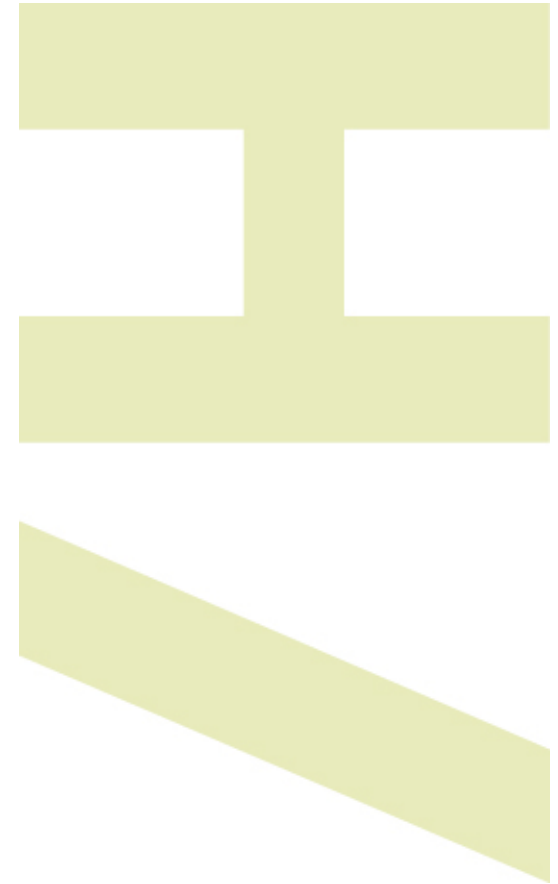


Integrated Model of IL



Discussion: what is the role of the arrows?

- Suggested is that they act in two directions
- But what exactly happens if IPS and Personal Knowledge interact?
- Is this a research field where information scientists can add a contribution?





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