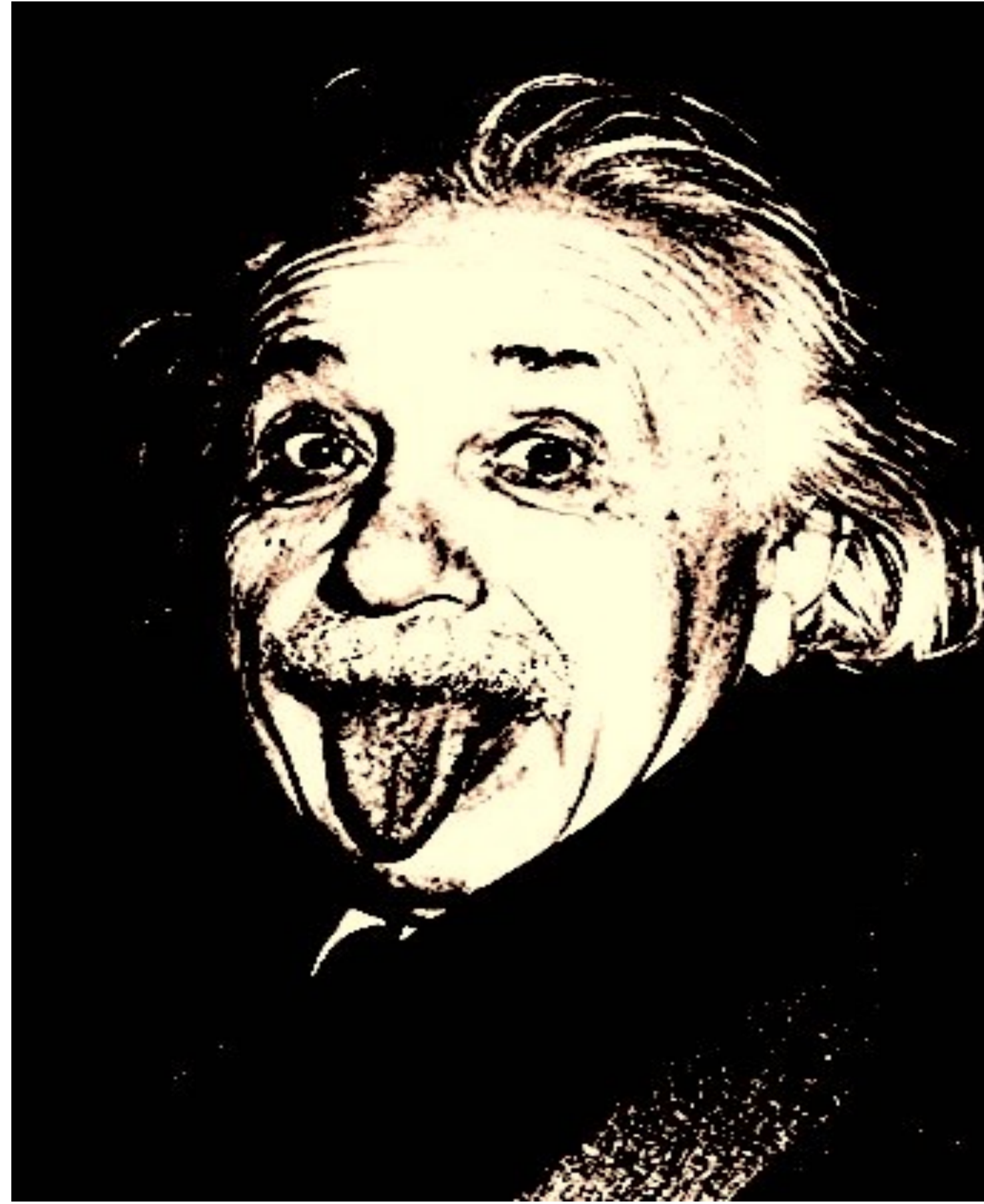


Taking Care of Business: Ed-Tech & Organisational Modelling

1. Ed-Tech as an Institutional X-RAY Machine

2. Integrated Learning Design

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“Repeating the same mistakes and expecting different results ... is insanity”. Albert Einstein*.

Maybe it's time to try something different?

Position Statement

Ed-Tech is failing to transform education, despite constantly promising to do so. Are current research and development methods in Ed-Tech fundamentally flawed? [1]

There is a lack of attention to the design issues involved in deploying technology in education, too often it is projected onto existing practice. To escape this Ed-Tech Groundhog Day [2] we propose a different approach, geared to discovering and analysing the enablers and blockers that affect the use of technology in an organisation.

“A more interactive approach to examine the complexity and multiple levels and dimensions of social reality [is needed] ... a significant exclusion and one which clearly calls for further research, is the aspect of institutional structures”.

Singh and Hardaker (2014) [3]

Methods:

- Socio-technical design, service design, participatory design, and product design
- Phenomenology (the study of experience)
- Ethnomethodology, (the study of how people create and live within a social order)
- Hermeneutics (the study of interpretation)
- Systems theory [4] & modelling [5]

Tools

- Reification [6]
- Graphical & Textual Representations [7,8, 9]
- Boundary Objects [10]

Processes [4]

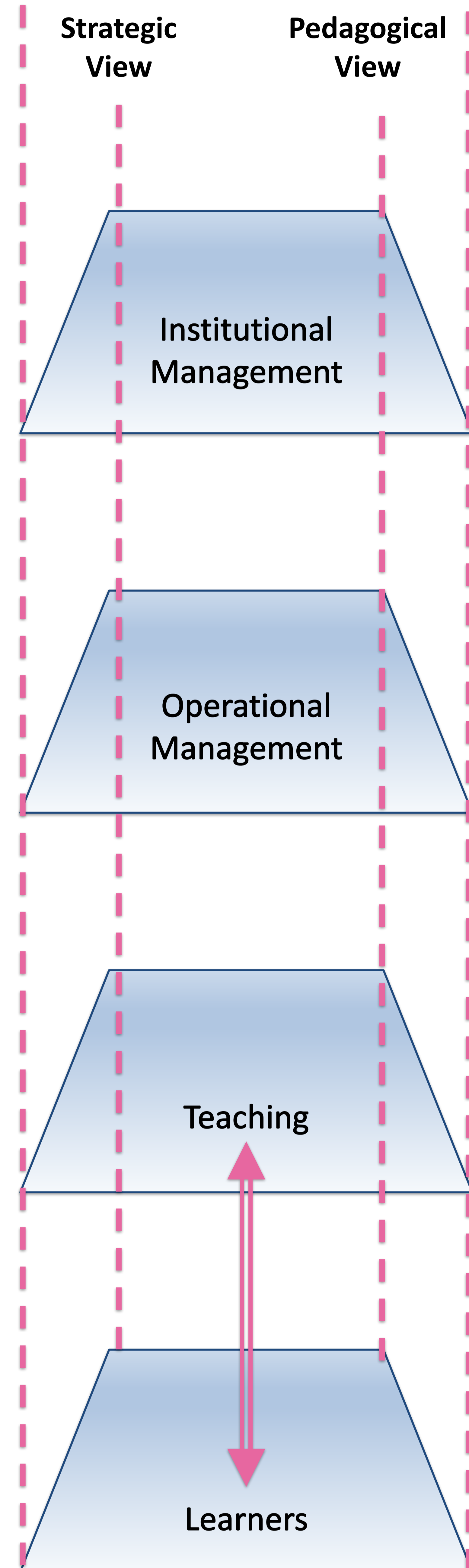
1. Mapping mental models - explicating and structuring assumptions via systems models
2. Challenging mental models - revealing inconsistencies in assumptions
3. Improving mental models - continually extending and testing mental models

Uses

Roundtable discussion aids, audit and planning tools, knowledge management. A large print version can facilitate annotations via post-it notes. Electronic versions could use tweets and hashtags.

Organisational View

Technological View



Model Characteristics

- Simple and easy to grasp – easy definitions
- Adaptable and extendable – i.e. facilitate customisation to local contexts
- “A compromise between the context-free approaches of high-level change management, and the detail and clutter of low-level approaches to business process re-engineering.” [5]

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Influences

Participatory Design [1]. Design Thinking [2]. Cultural Hegemony [3].

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* About the Quotation

This quotation is commonly attributed to Albert Einstein, which is entertaining and attention grabbing. However it is more probably sourced from Narcotics Anonymous: https://en.wikiquote.org/wiki/Narcotics_Anonymous.