

Architecture Overviews

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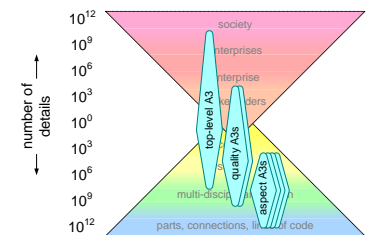
Abstract

This presentation presents architecture overviews. Main challenge is to maintain the overview across multiple views. Architecture Overview A3s support multiple views. Another challenge is to make an overview accessible for a wide range of stakeholders. The architecture description should therefore be visualized such that it fits the mental model of the audience.

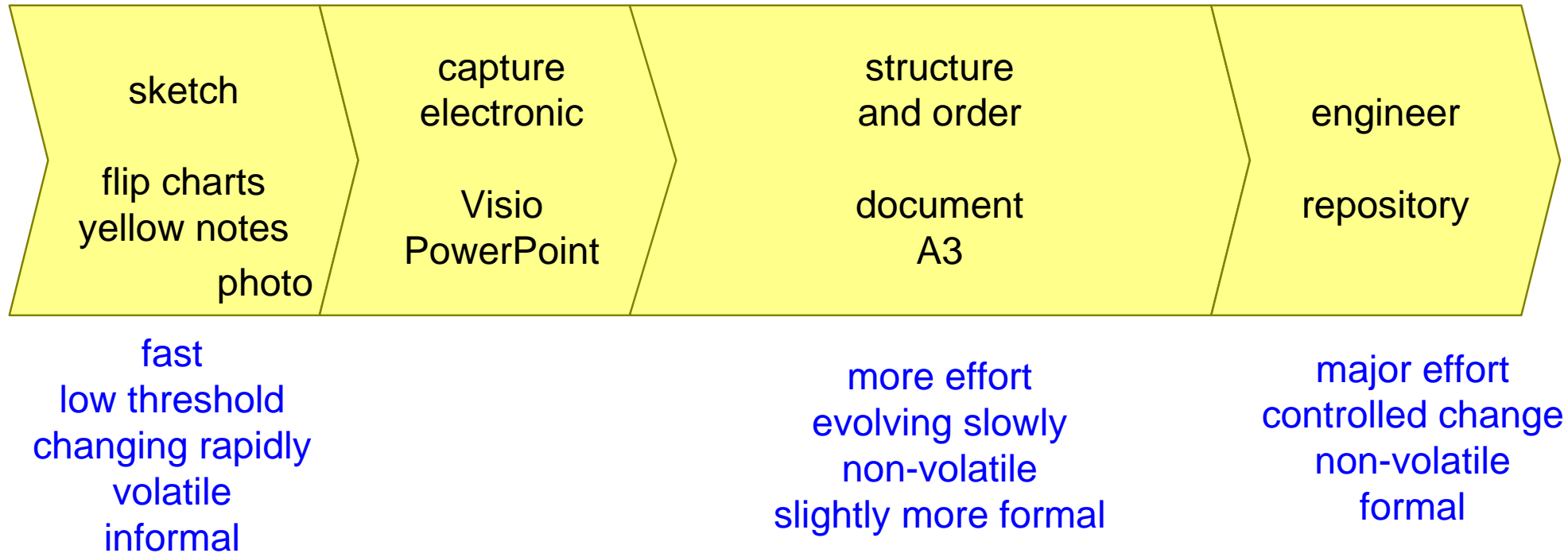
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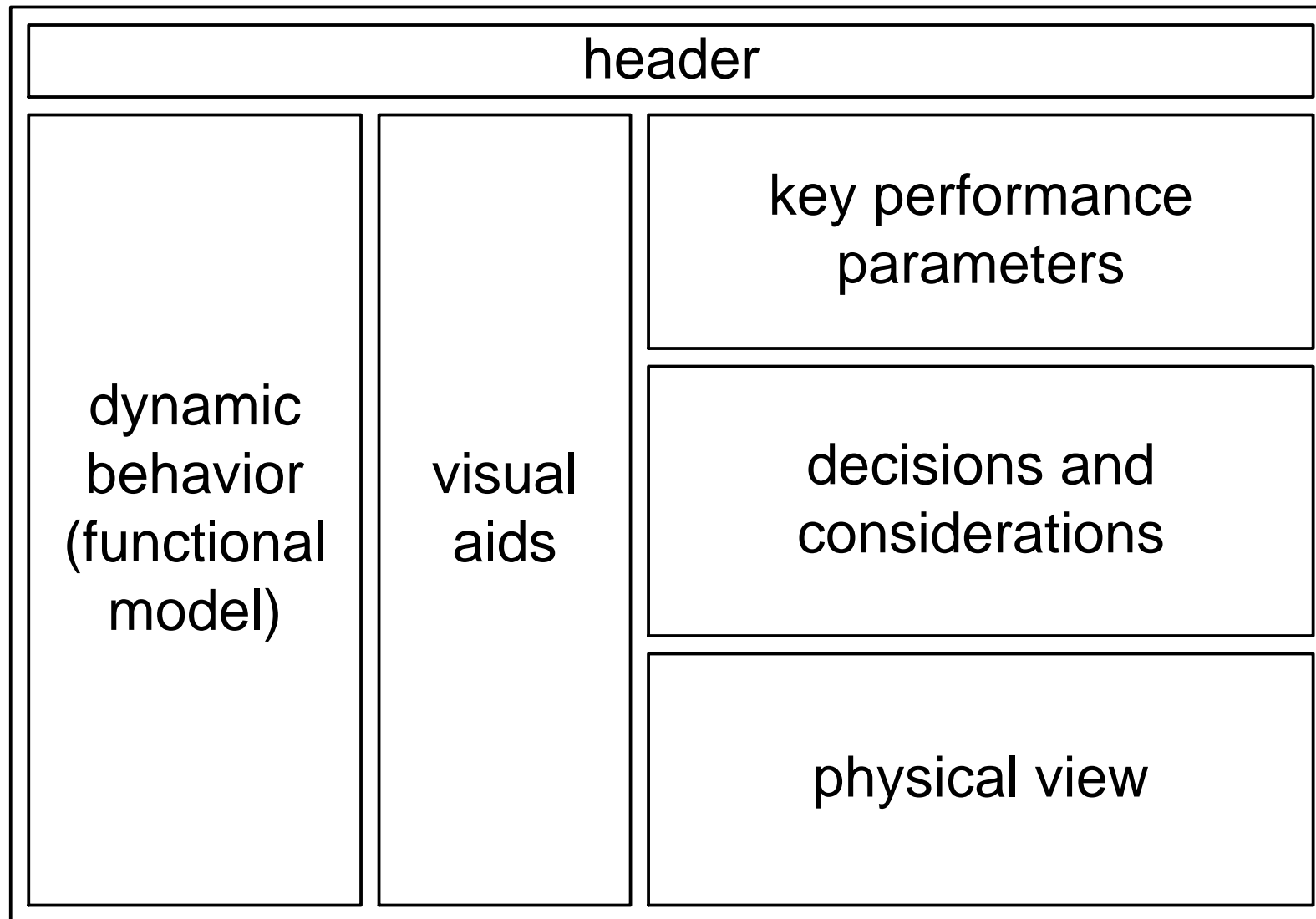
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Maturing an Architecture Description



Architecture Overview A3



simplified from <http://www.gaudisite.nl/BorchesCookbookA3architectureOverview.pdf>

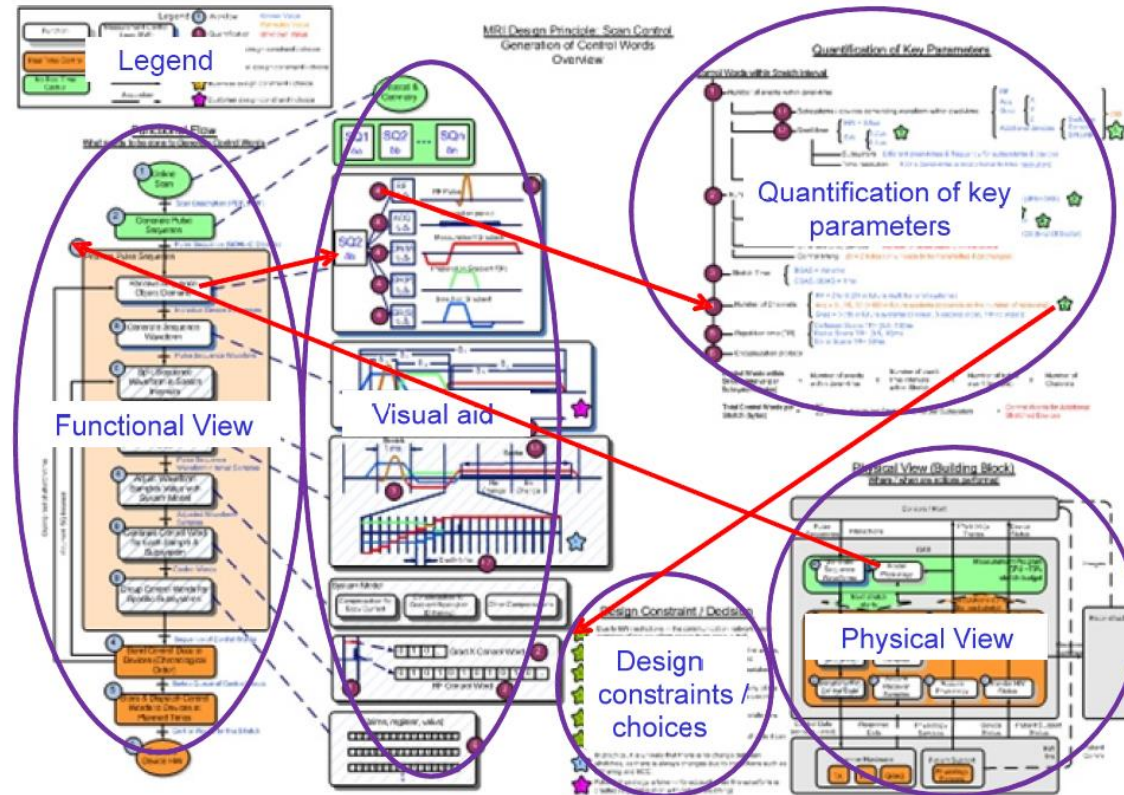
A3s to Capture Architecture Overviews

multiple related views

quantifications

one topic per A3

capture "hot" topics

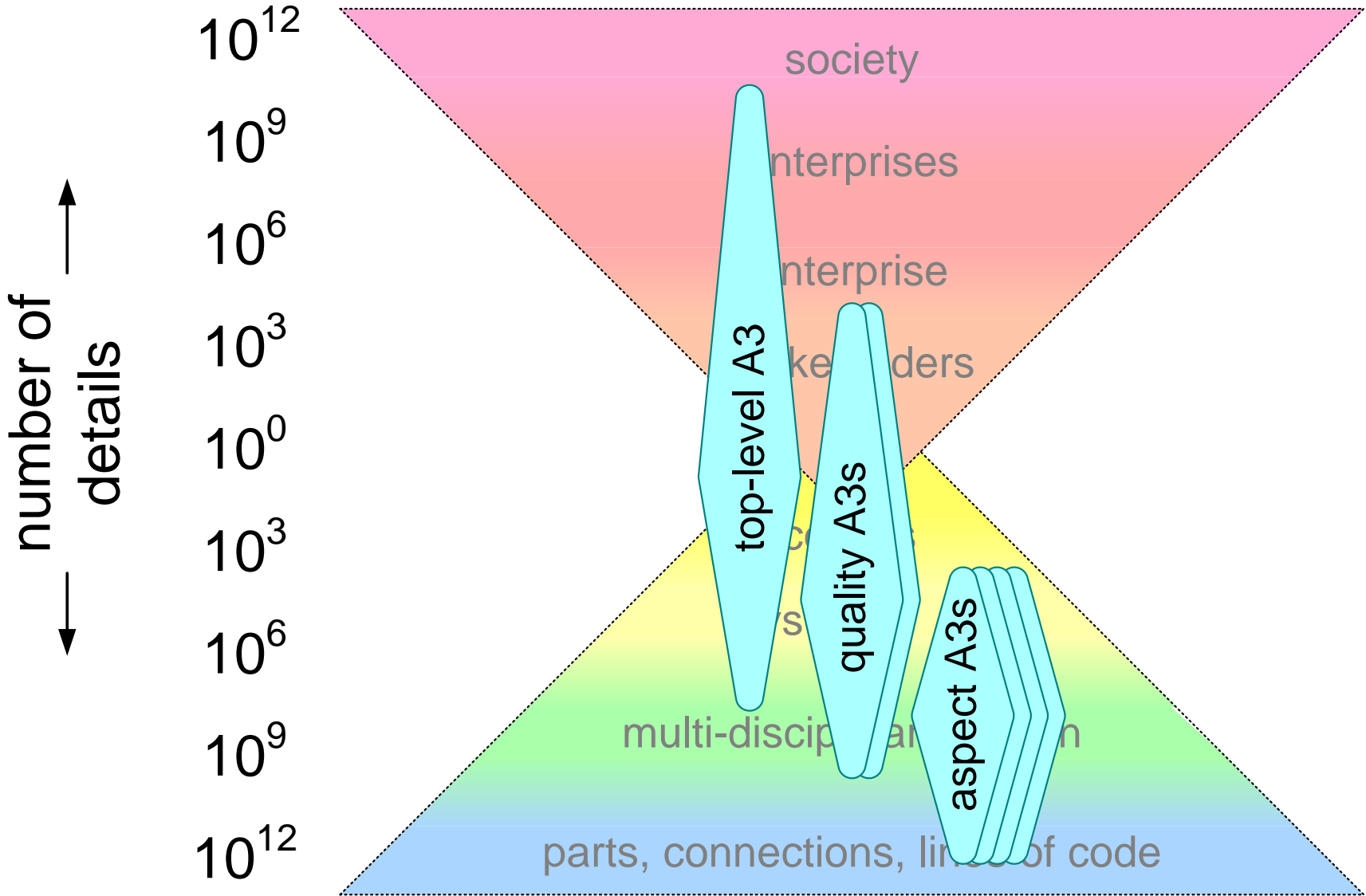


source: PhD thesis Daniel Borches <http://doc.utwente.nl/75284/>

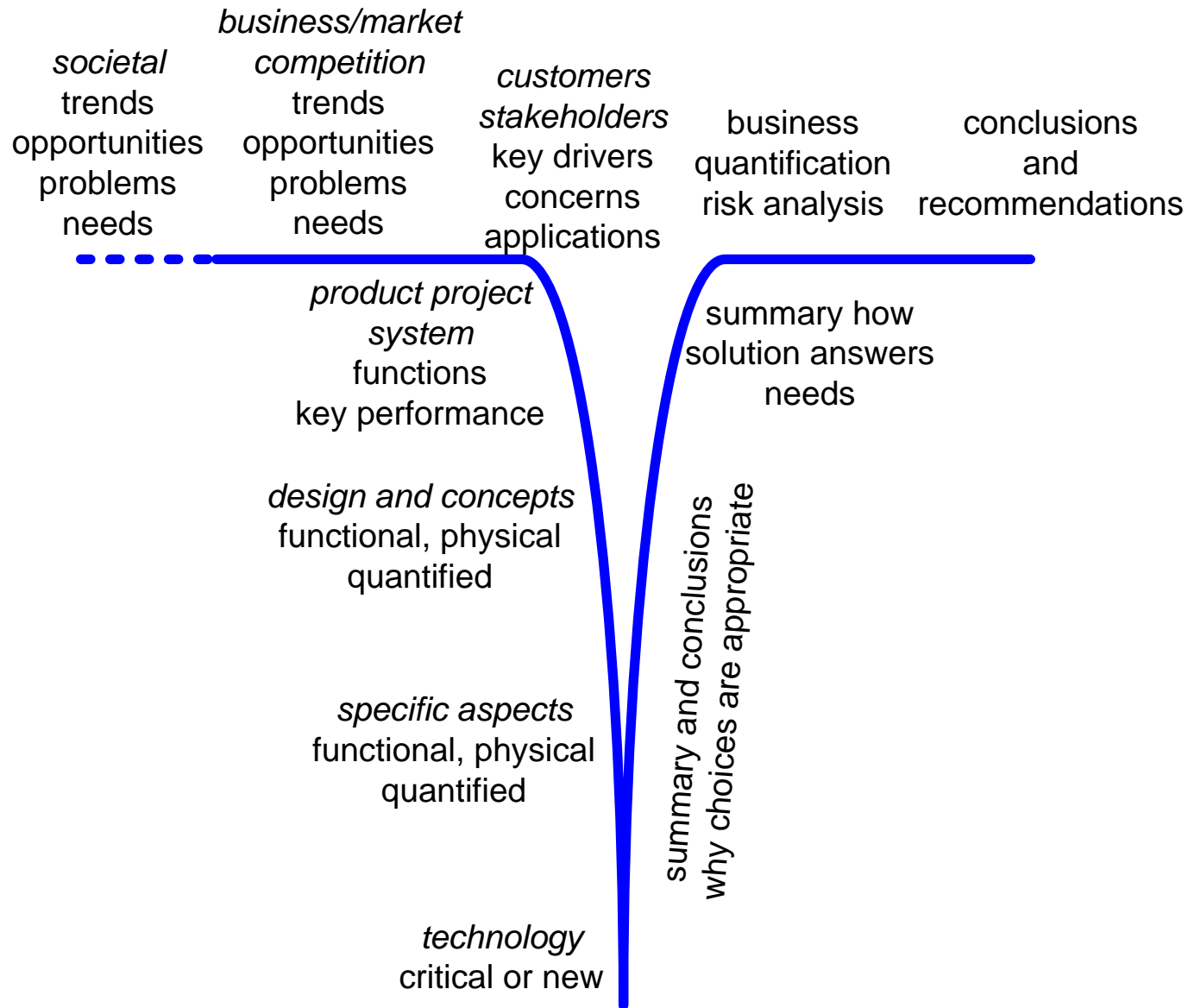
digestible
(size limitation)

practical
close to stakeholder experience

Multiple Levels of A3s



T-shape Presentation



1.1 One of several prerequisites for architecture creative synthesis is the definition of **5-7 specific key drivers** that are critical for success, along with the rationale behind the selection of these items

2.1. The essence of a system can be captured in about **10 models/views**

2.2. A **diversity** of architecture descriptions and models is needed: languages, schemata and the degree of formalism.

2.3. The level of **formality** increases as we move closer to the implementation level.

from <http://www.architectingforum.org/bestpractices.shtml>

Comparison of Various Overview Formats

	stakeholder variety	accessible	overview	simultaneous views	visual information	visualizing dynamics	value >24" screens	standard printer	projector	maintenance	creation effort	time/effort view/read
Thick textual document	2	1	1	2	1	1	3	5	2	1	1	1
Thin textual document	2	2	2	2	1	1	3	5	2	3	4	3
Thin document with diagrams	3	4	4	3	4	3	3	5	2	3	3	4
PowerPoint presentation	4	4	3	2	4	3	4	5	5	3	3	5
A3AOs	5	5	5	4	5	3	5	4	2	3	3	5
A*AOs (*=2, 1, 0)	5	5	5	5	5	3	3	2	1	3	3	5
A4AOs	5	5	4	3	4	3	4	5	4	3	3	5
animation	5	5	4	2	4	5	4	1	5	2	2	3
video	5	5	4	2	4	5	4	1	5	1	1	3
formal model ¹	1	2	3		3	3	5	3	2	2	2	2

legend

5 very good

4 good

3 neutral

2 poor

1 very poor

unknown

¹ Gerrit bias