

ABILITY to Change methodology in Design, Construction and Operation



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Leiter Dienstleistungen und Weiterbildung (MAS FHNW Digitales Bauen)

Beruf

BIM | VDC | Prozesse | Automation | Energie | Lean

aktiv in

GNI | SIA | CEN | ISO | buildingSMART International

Arbeitsgruppen

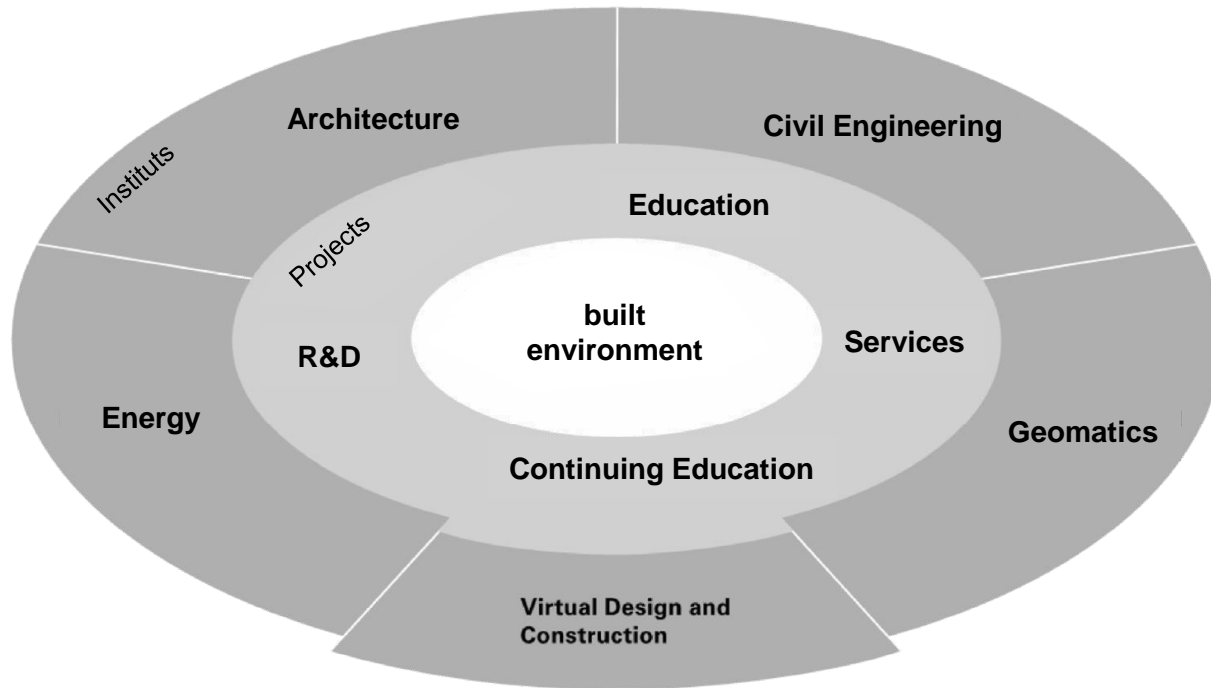
SIA MB 2051 | SIA D0270 ff | CEN/TC 442 | ISO

Privat

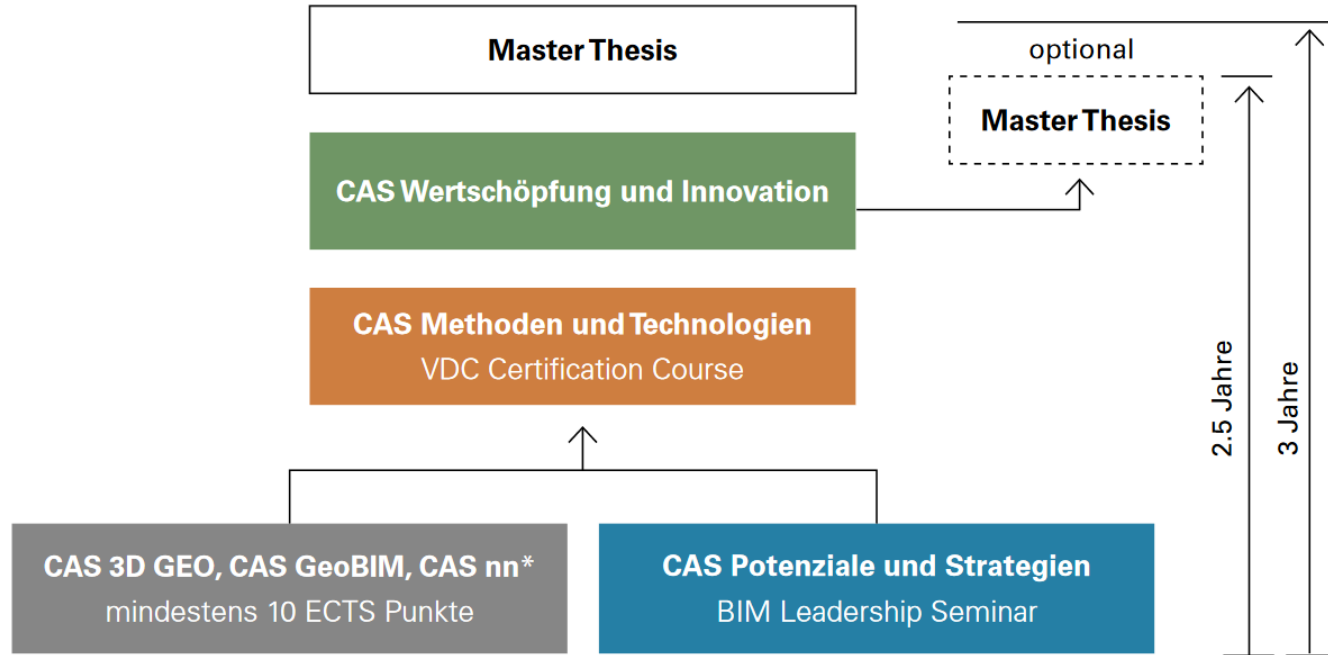
verheiratet | 2 Kinder | Fotografie | Skitouren | Wandern



Hochschule für Architektur, Bau und Geomatik



Erwartungen an das Referat



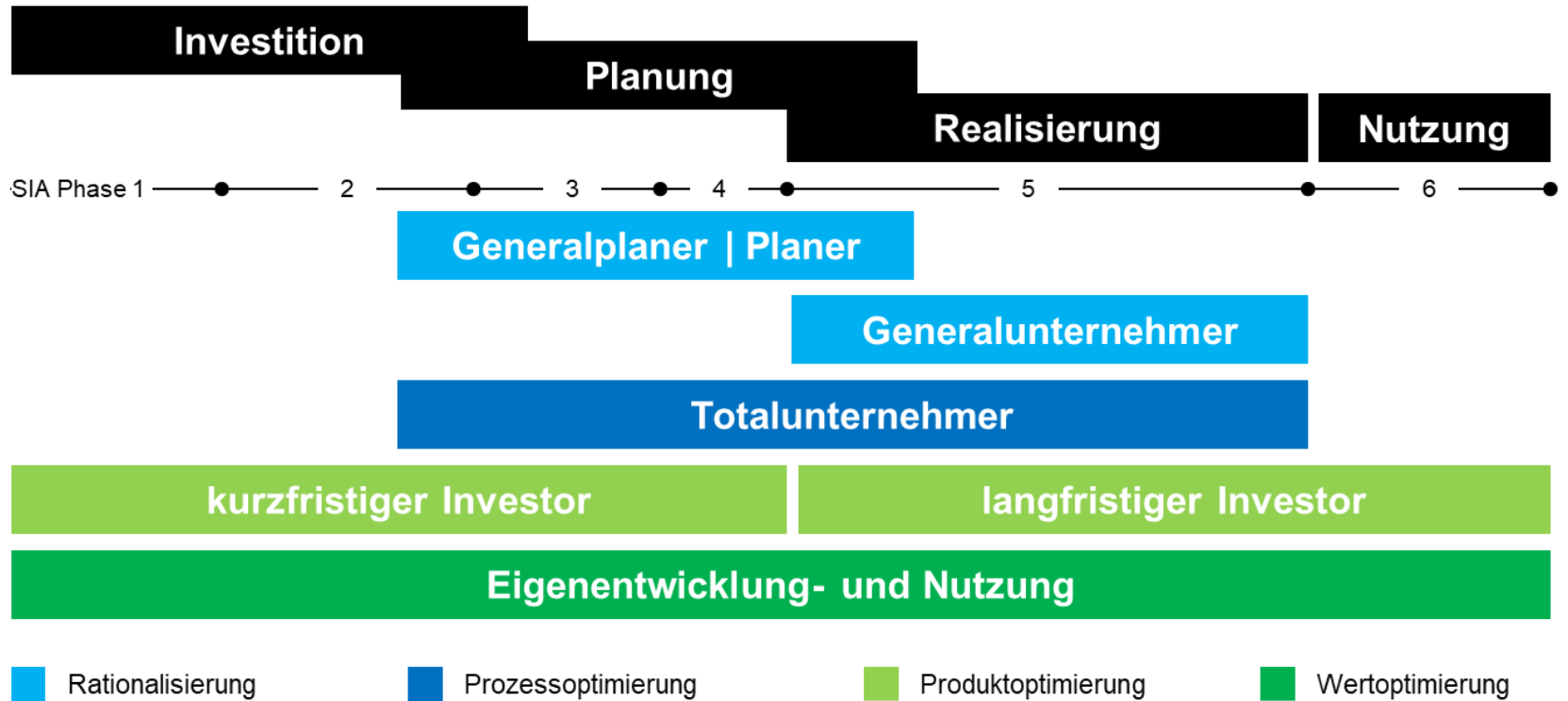
Zusammenarbeit Stanford University – University of Oslo



Source: Peter Scherer, FHNW

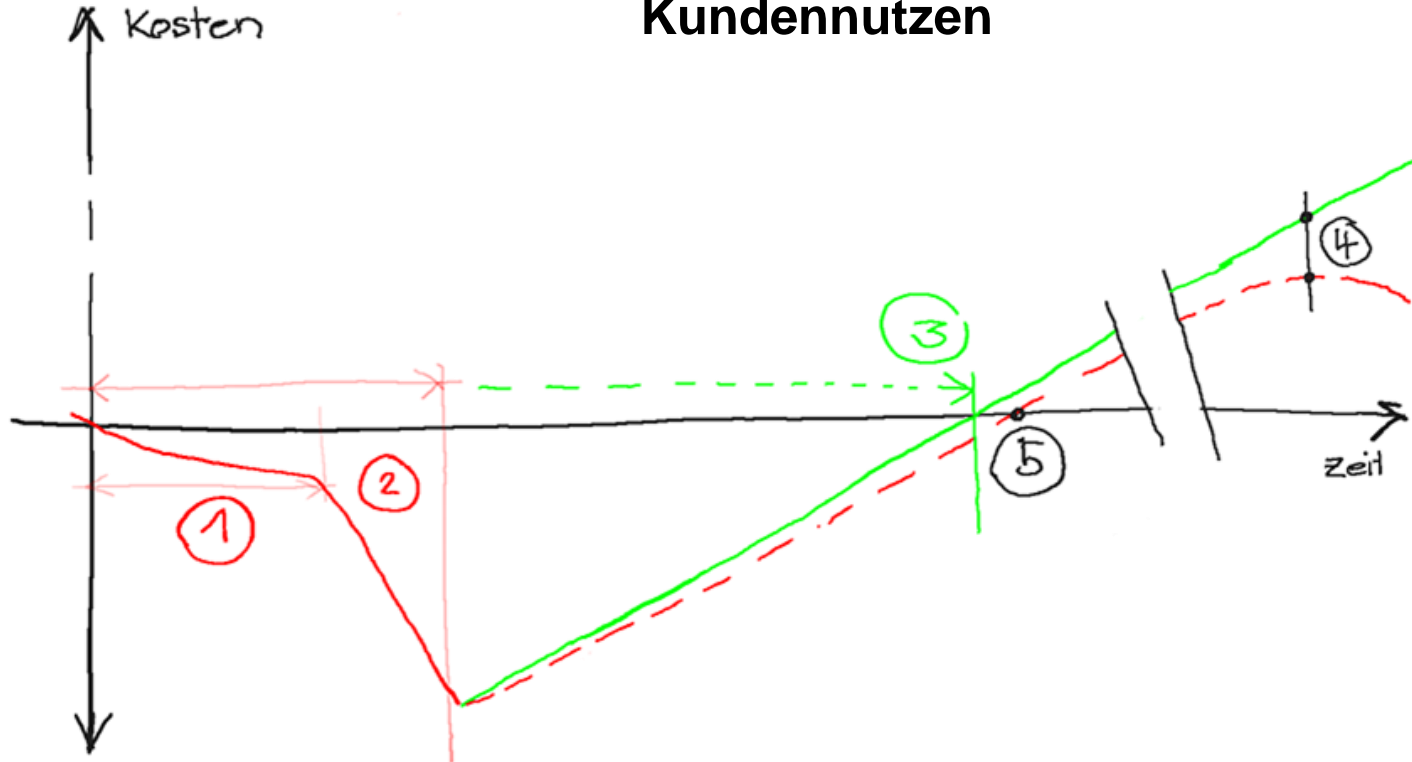
Selbstüberschätzung



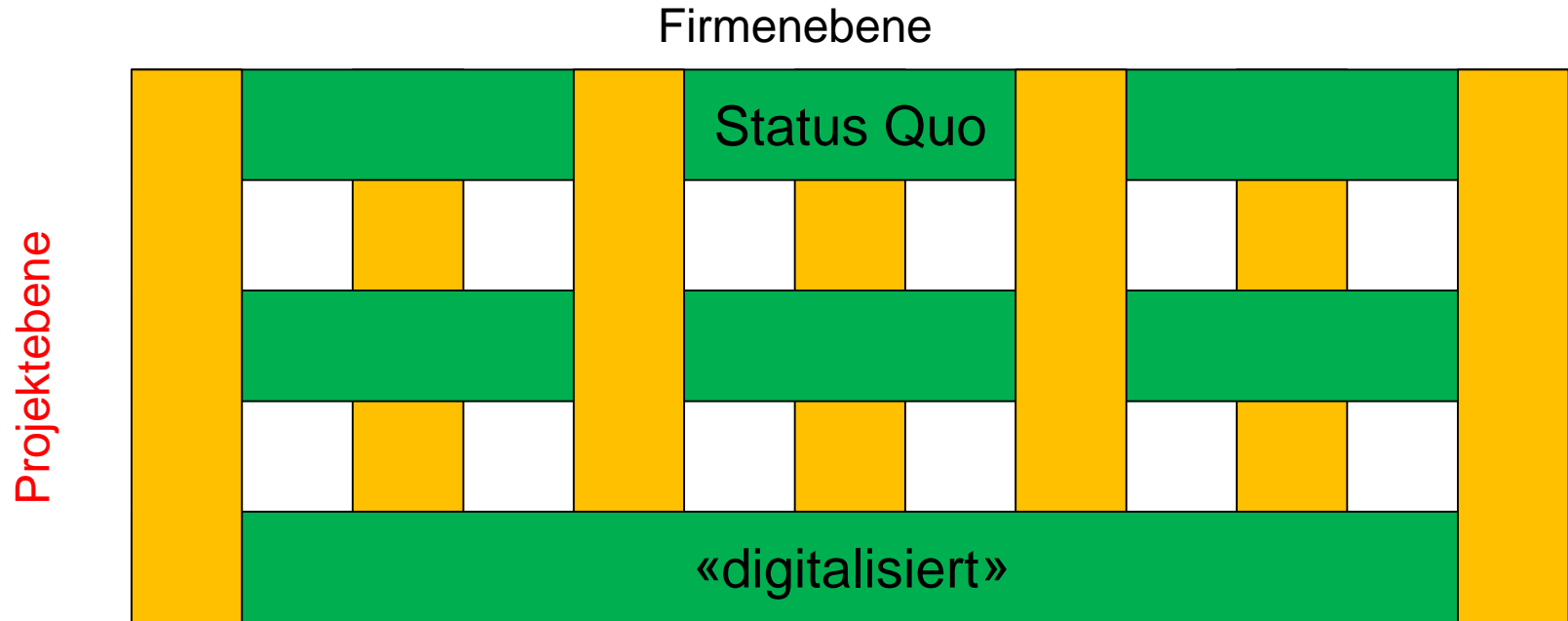


Source: Peter Scherer, FHNW; in Anlehnung an Prof. Fritz Häubi, FHNW

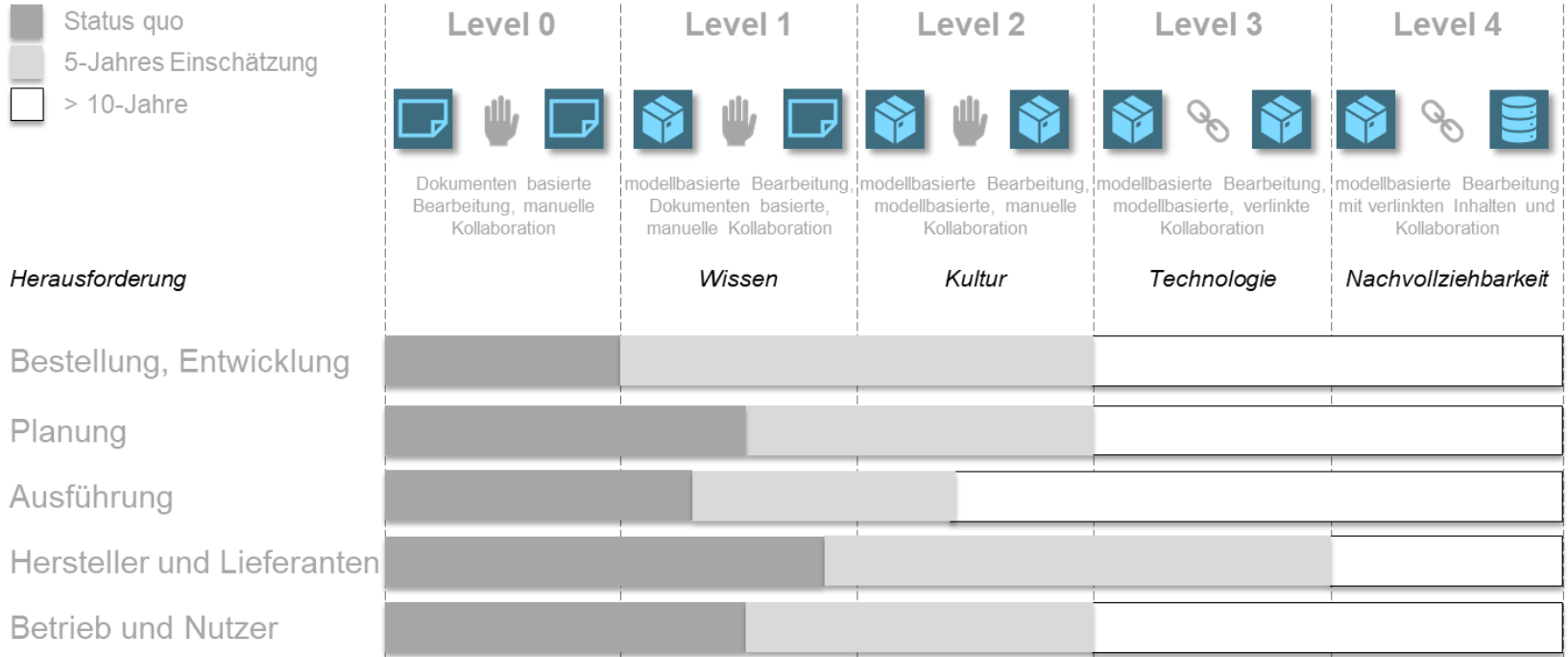
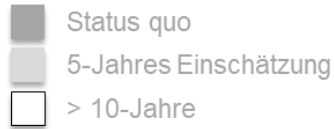
Kundennutzen



Horizontale und Vertikale Integration

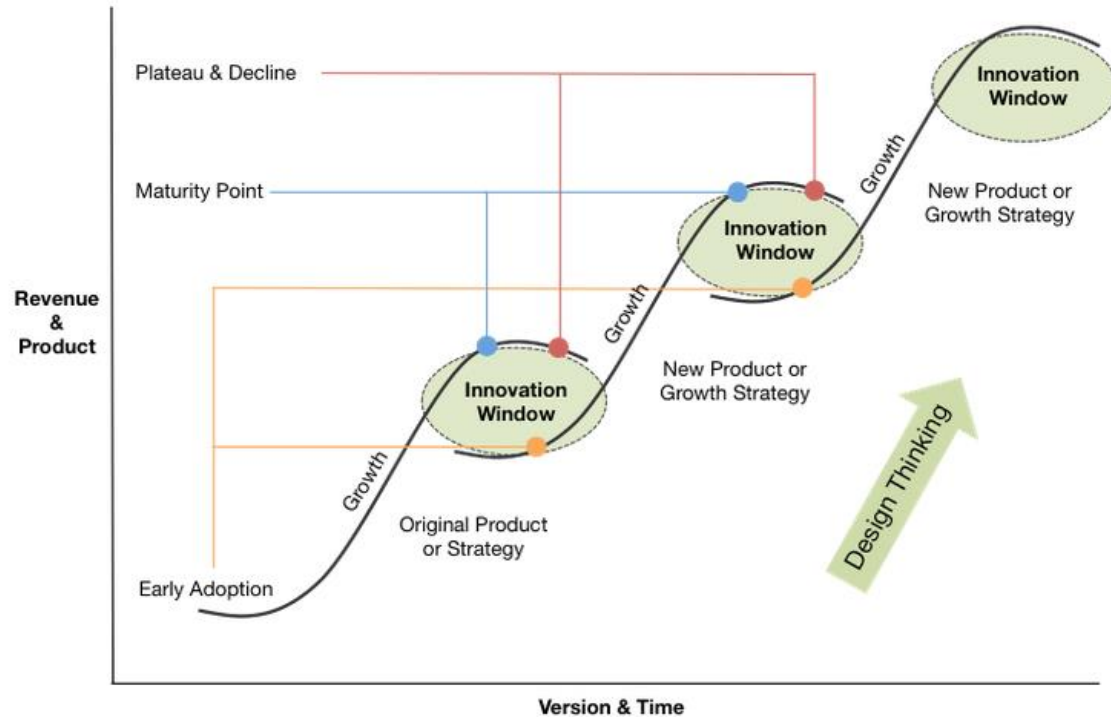


Übersicht 2018



Source: Peter Scherer, FHNW

Innovation Window



Source: <http://ideagenius.com/>



18+

Automatisierte Passkontrolle e-Passport Control



Schweizer Pässe (keine ID)
Swiss passports (no ID)



Mindestalter: 18 Jahre
Minimum age: 18



EU/EWR Pässe
EU/EEA passports

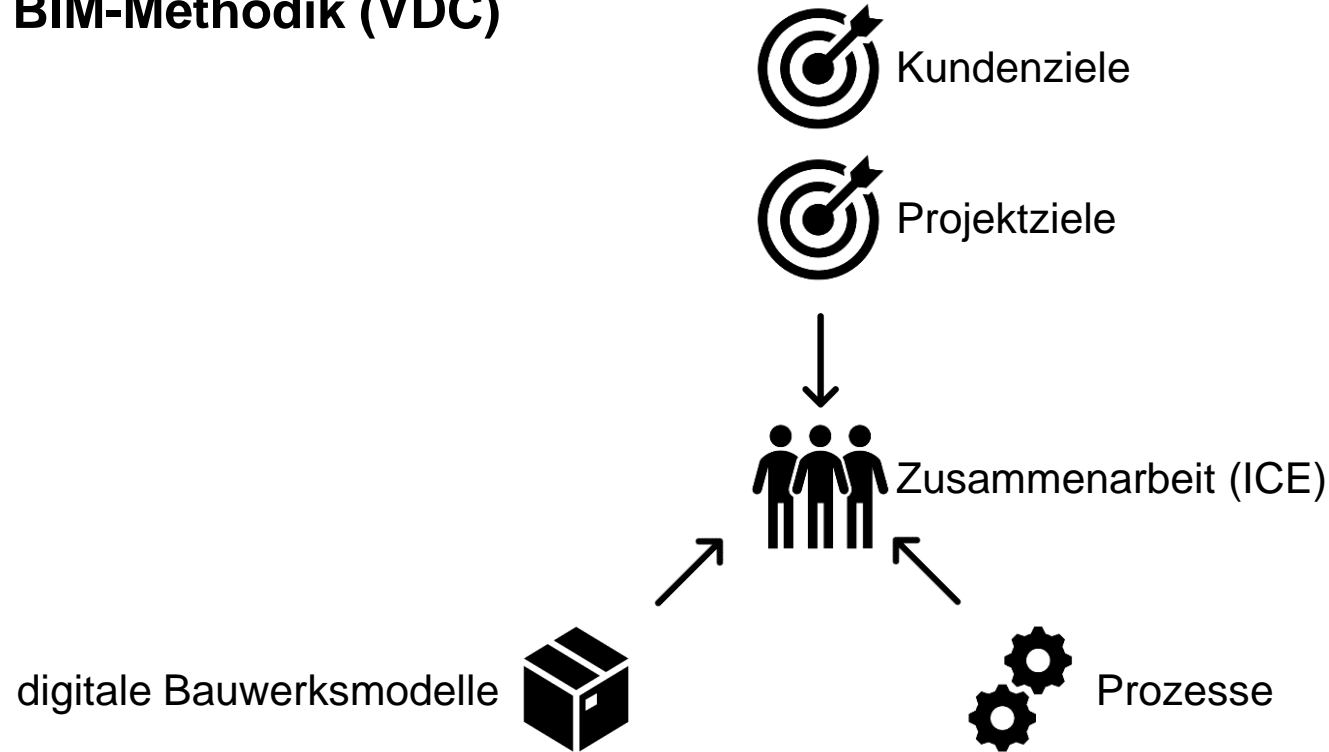


Biometrische Pässe
e-Passports



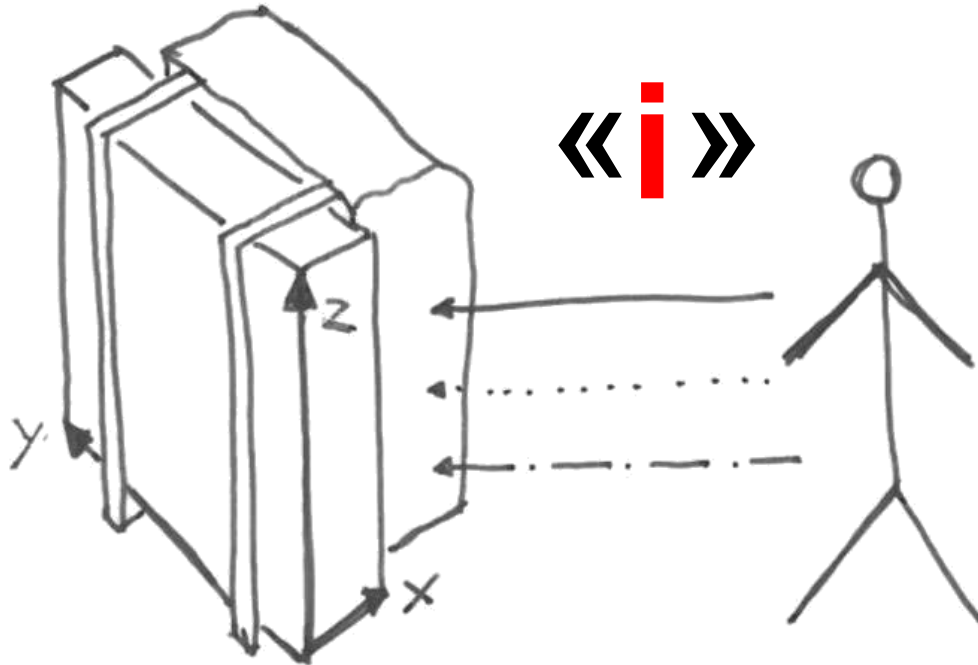
Source: Peter Scherer, FHNW

BIM-Methodik (VDC)

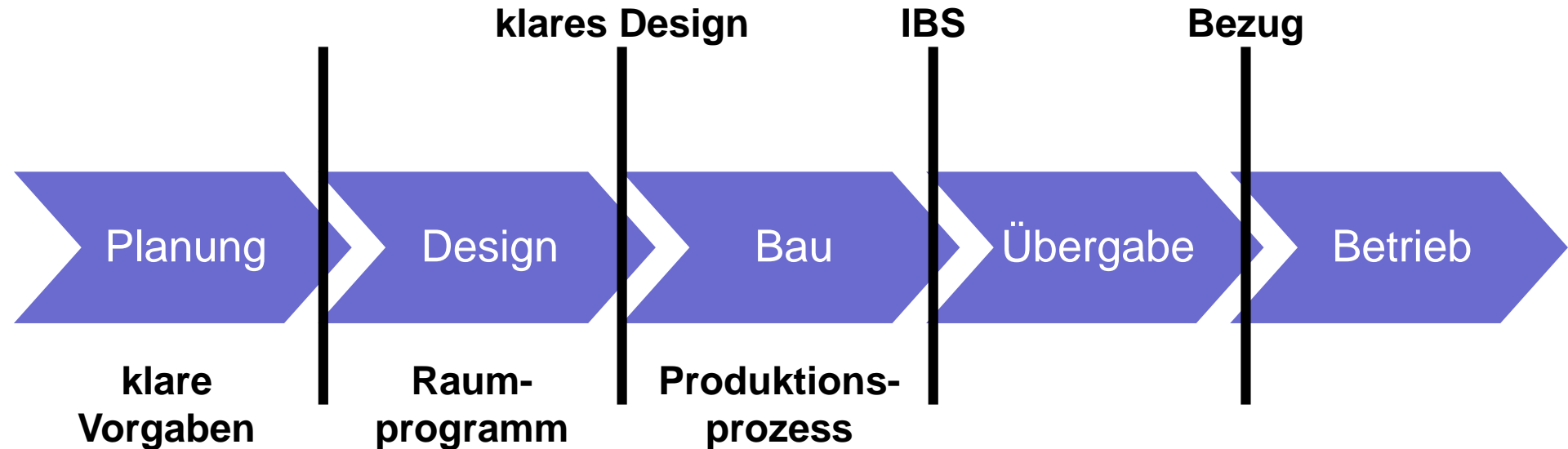


Source: Peter Scherer, FHNW; in Anlehnung an Prof. Martin Fischer, Stanford University

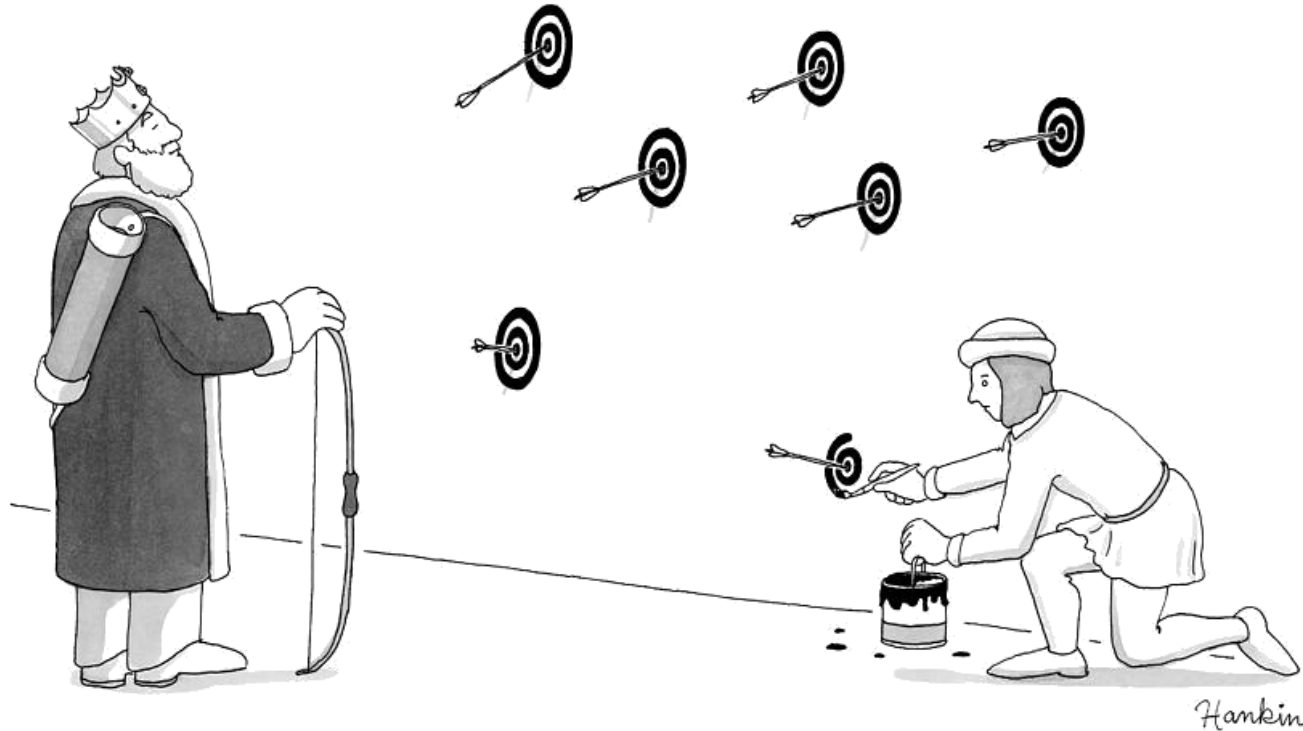
Digitale Bauwerksmodelle (BIM)



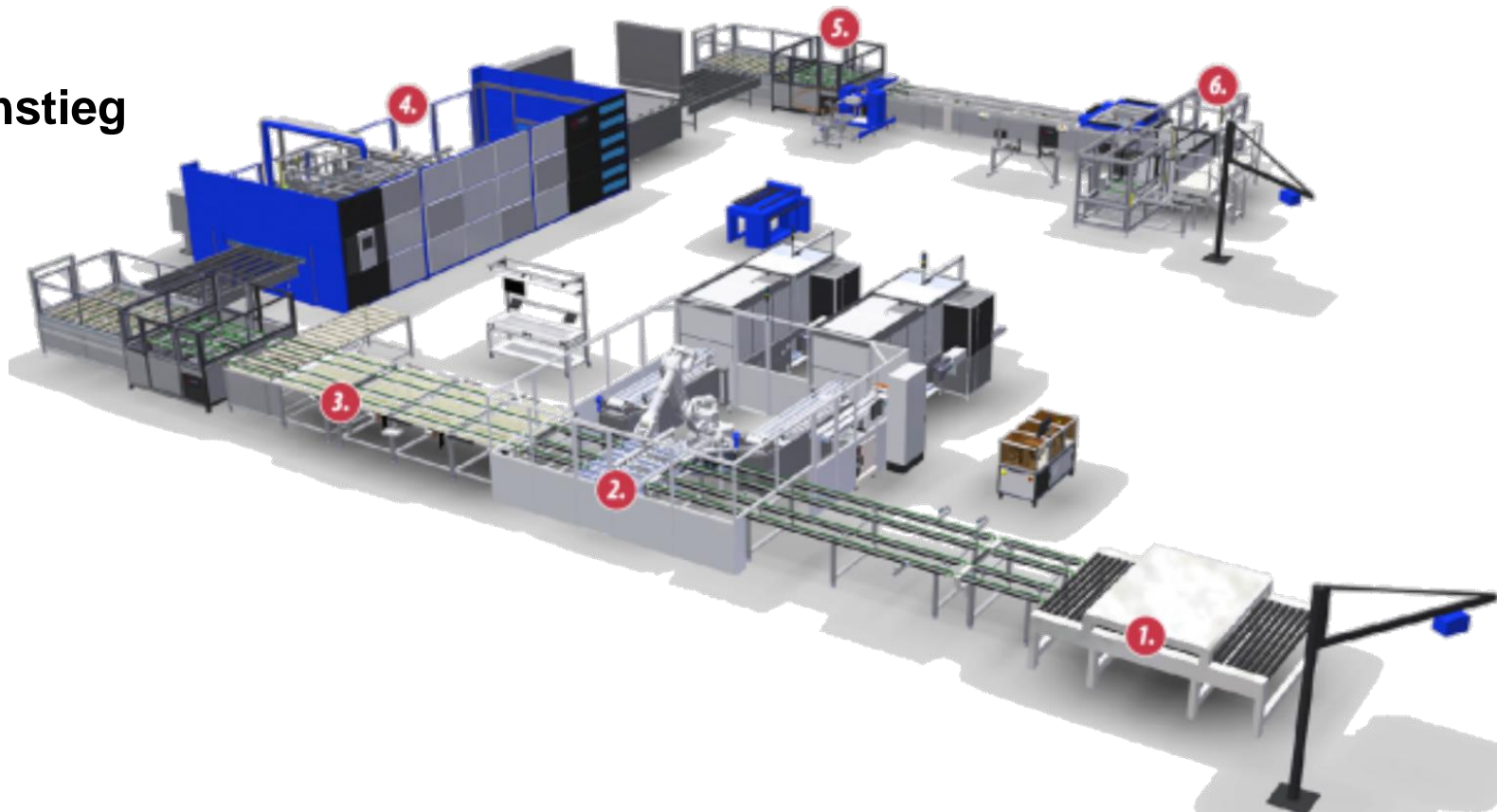
Planungs- und Bau- und Bewirtschaftungsprozesse



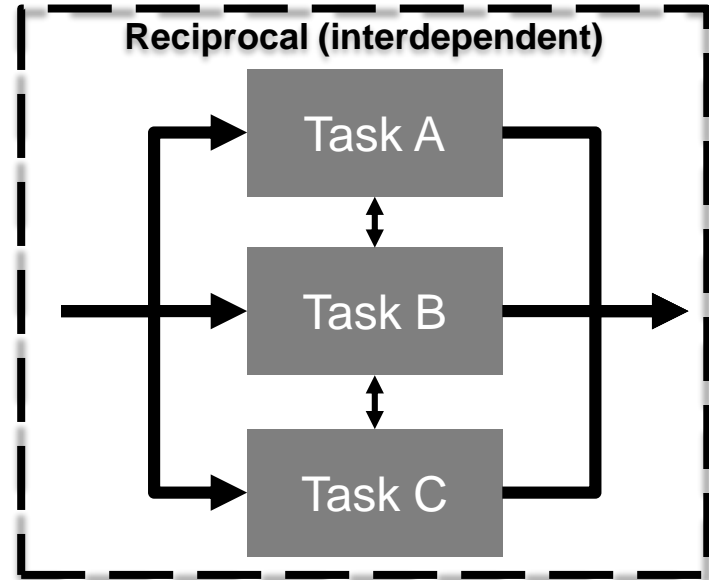
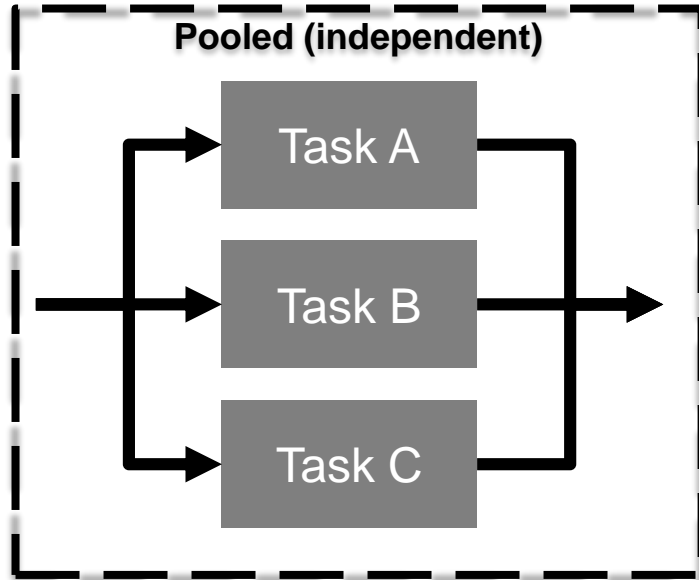
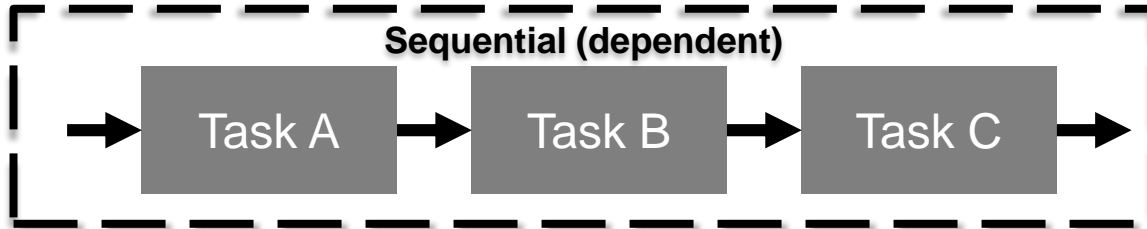
Was will der Kunde?



Einstieg

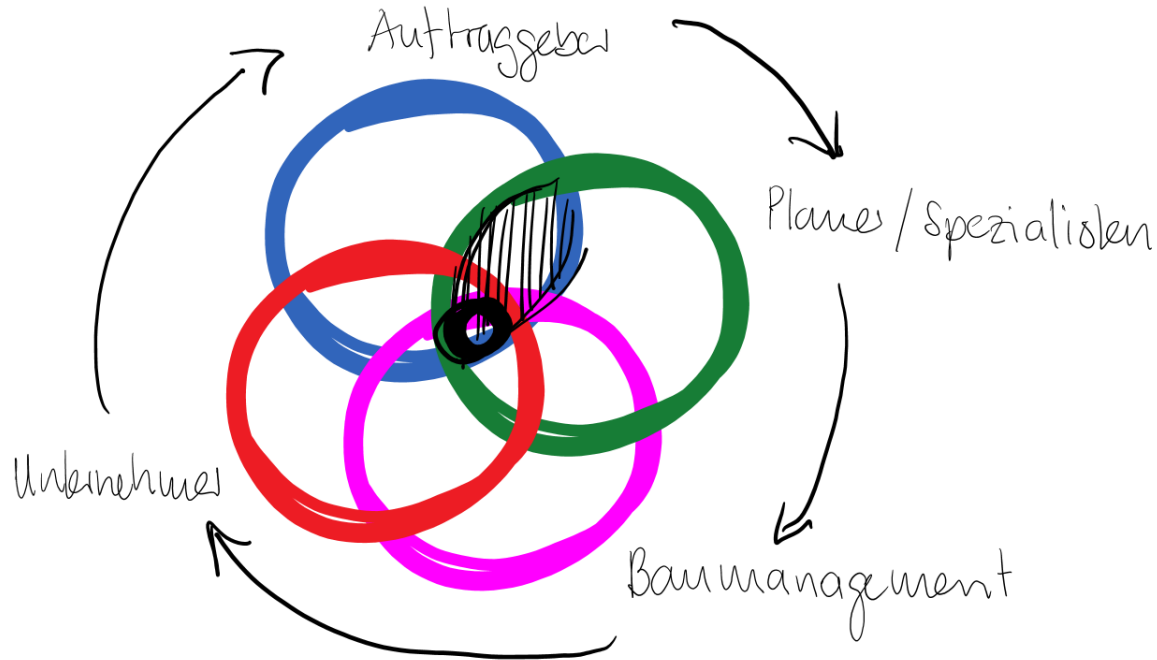


Source: Stanford CIFE/PPI VDC Certificate Program



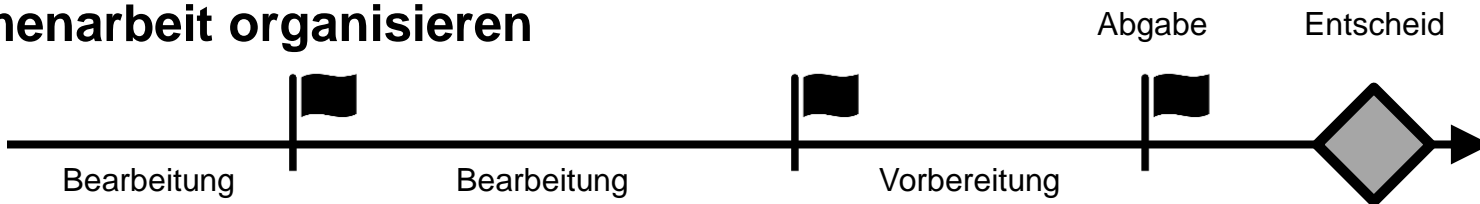
Source: James D. Thompson, *Organizations in Action*, McGraw-Hill, 1967

Zusammenarbeit – Form und Art neu denken!

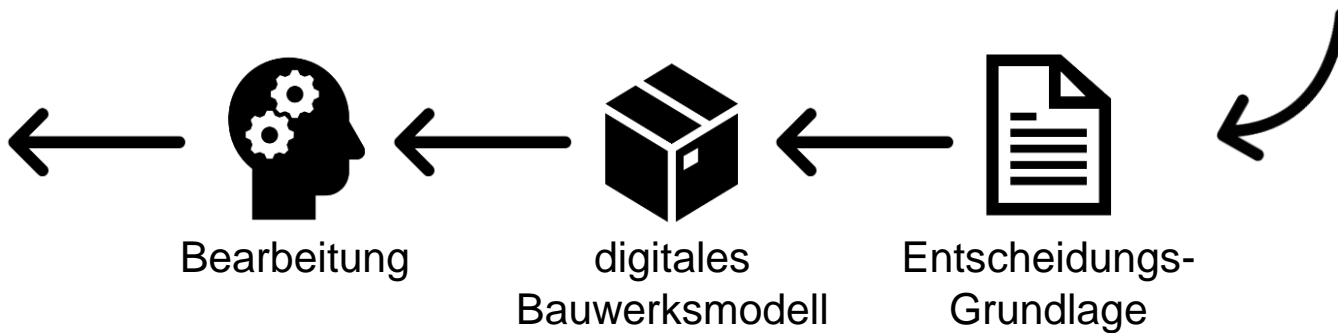
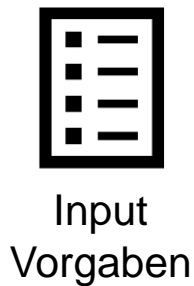


Zusammenarbeit organisieren

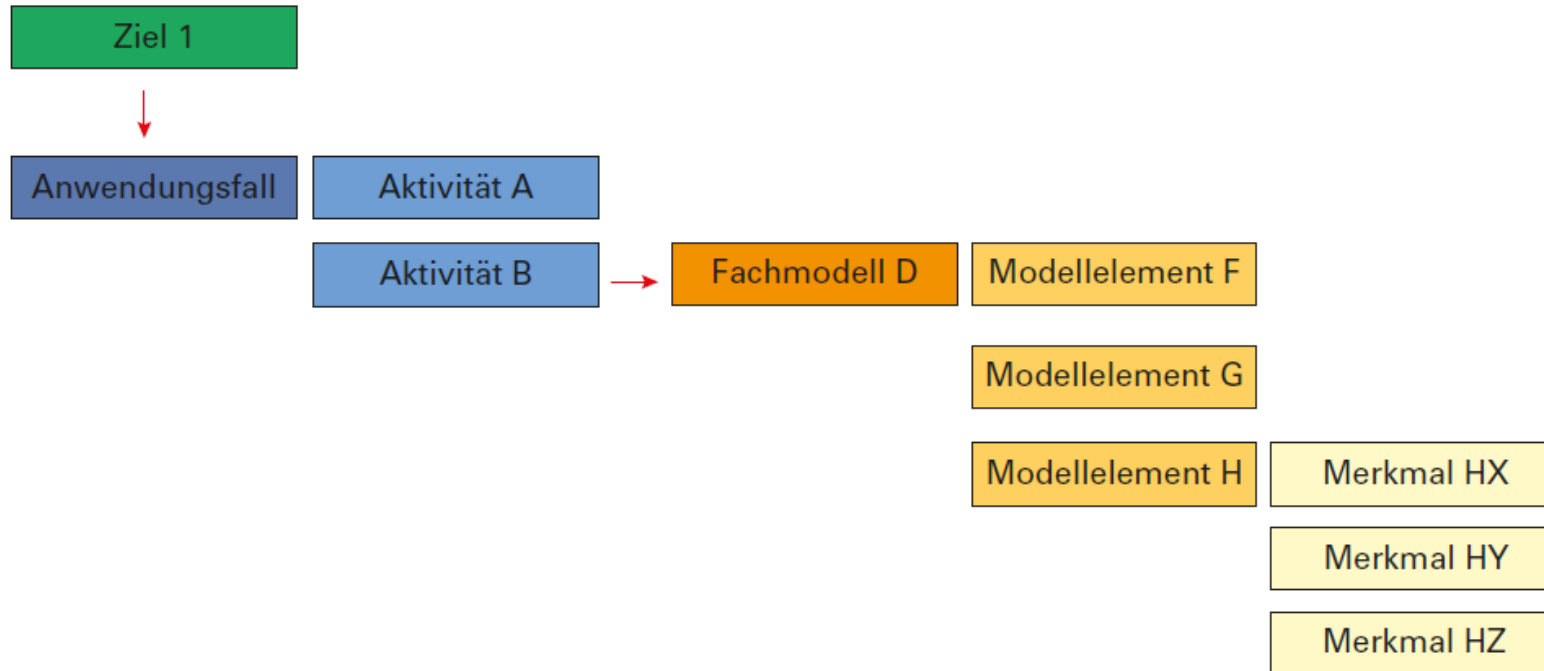
Management



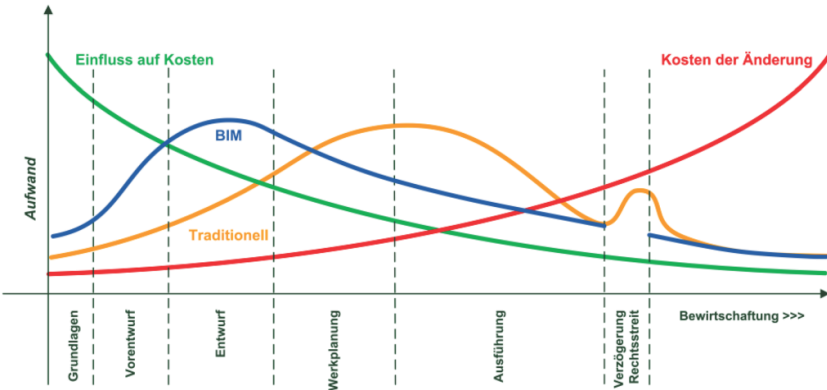
Sache



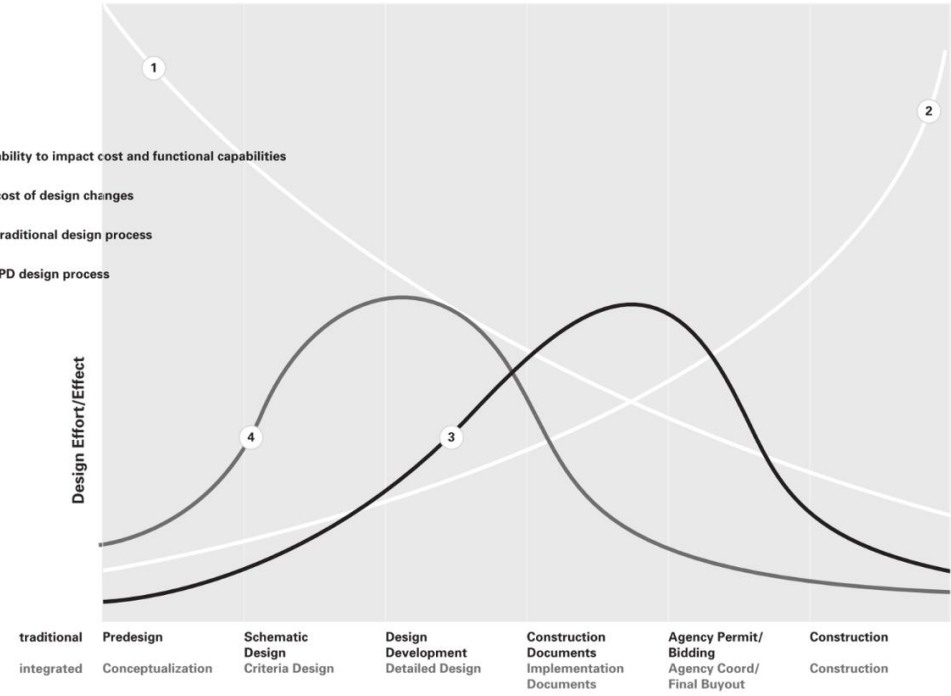
Anwendungsfälle definieren



«BIM» und «IPD» MacLeamy Kurve?

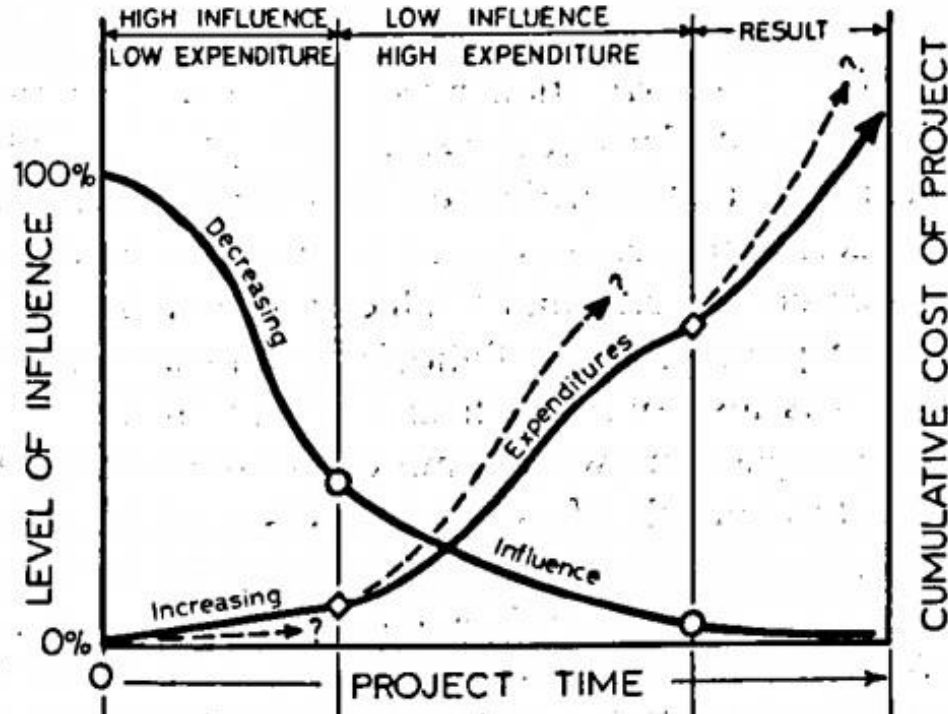


- ① ability to impact cost and functional capabilities
- ② cost of design changes
- ③ traditional design process
- ④ IPD design process



Source: BIM Leitfaden Deutschland and IPD Guideline, AIA 2007

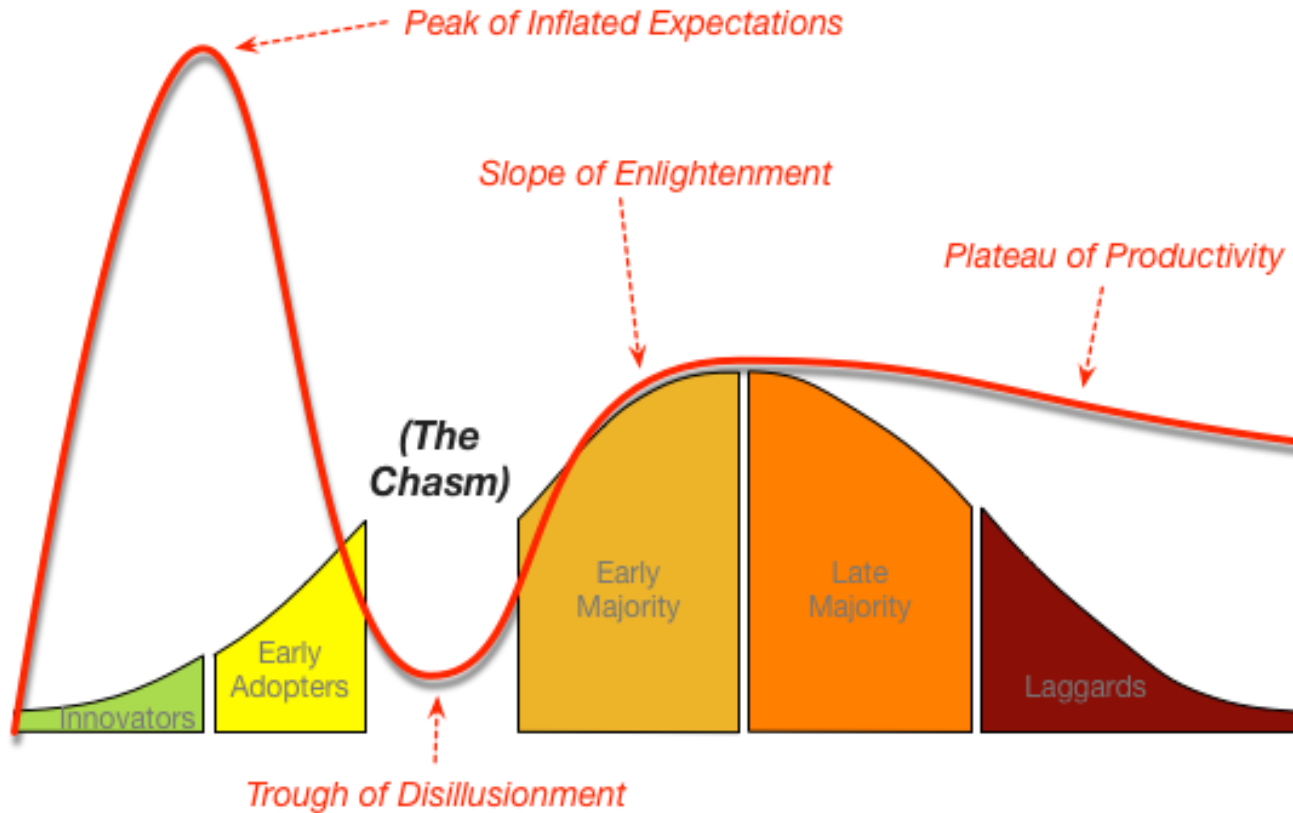
«BIM» und «IPD» MacLeamy Kurve?



Source: Journal of the construction division, 1976

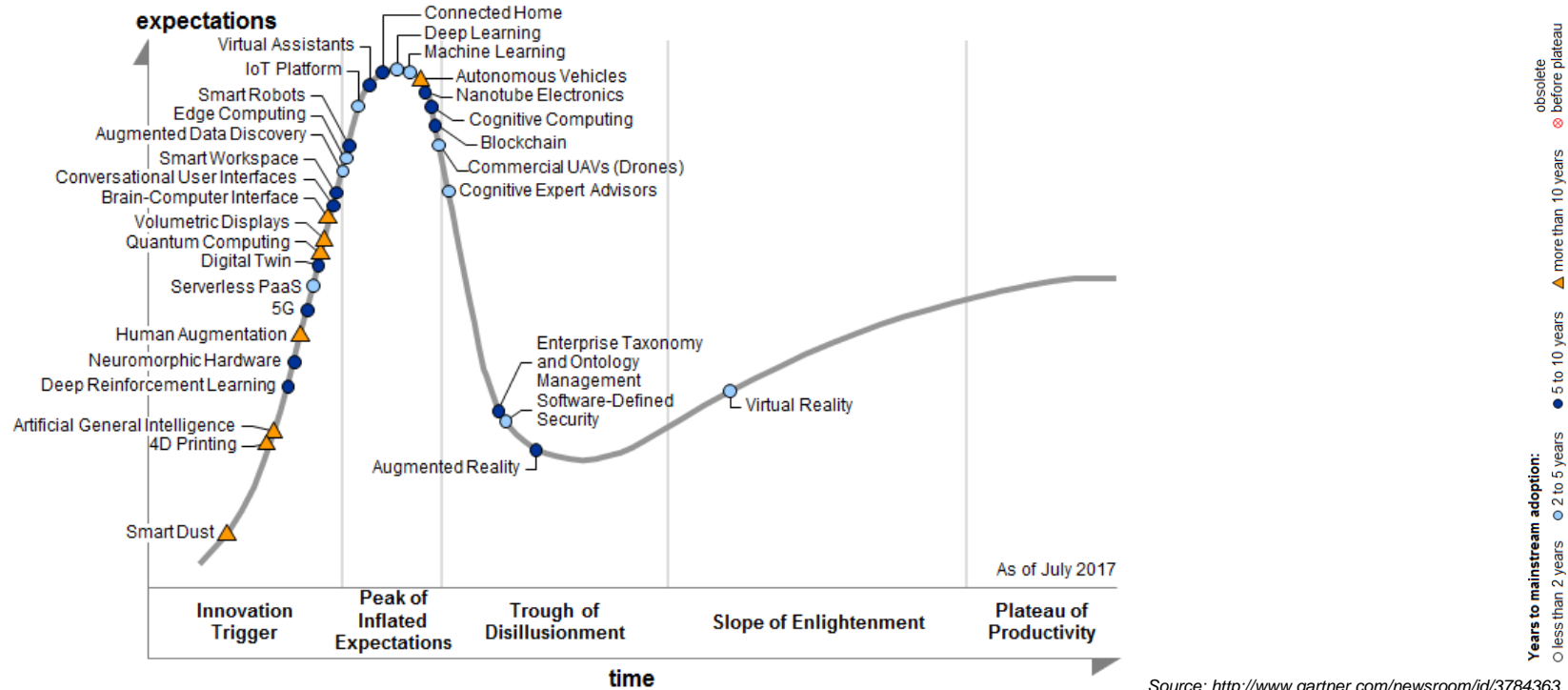
«Wenn sie einen Scheissprozess digitalisieren, dann haben sie einen scheiss digitalen Prozess»

Thorsten Dirks, CEO Telefonica Deutschland AG



Source: <https://www.businessprocessincubator.com/>

Trends und Entwicklungen



Source: <http://www.gartner.com/newsroom/id/3784363>

Denken und Handeln während Veränderungen



Source: Peter Scherer, FHNW

«Culture eats strategy for breakfast»

Peter Ferdinand Drucker, Pionier der modernen Managementlehre