



The image shows a top-down view of a desk. On the left, a black notebook is open, showing a white page with the word 'Agenda' in large black letters and 'welcome@PKS' in smaller black letters, where 'PKS' is in red. To the right of the notebook is a black pen. Above the notebook are two black paper clips. The background is a light-colored surface.

Agenda

welcome@PKS

- > Welcome
- > Steinbeis Origins, University & S(C)MT
- > PKS Concept & Coaching (PKB) in Detail
- > PKS Scientific Prozess & eCampus
- > Q&A

Welcome to your PROJEKT-KOMPETENZ-STUDIUM – PKS®

at SMT – the School of Management and Technology

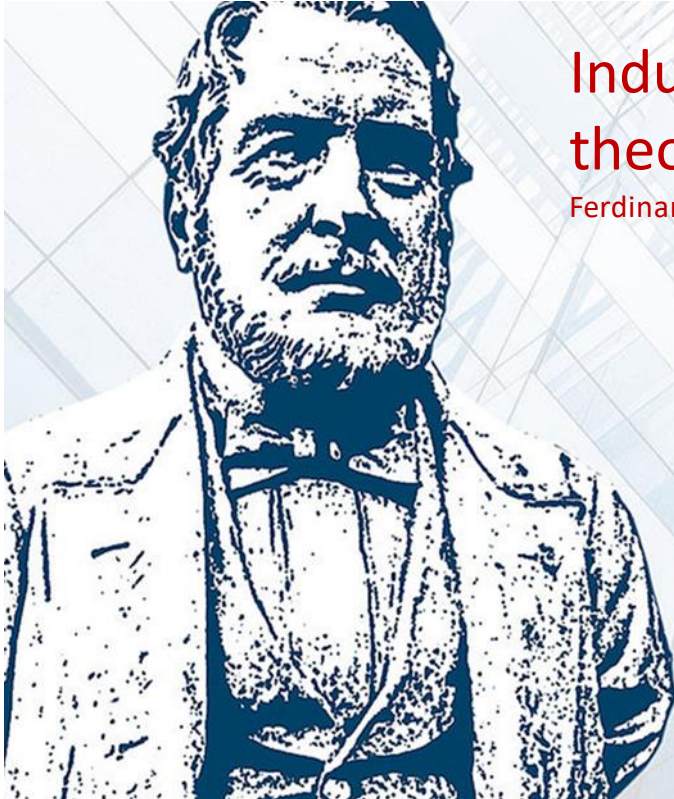


Industrial workers of the future depend upon
theoretical knowledge combined with practical skills.

Ferdinand von Steinbeis (1807 – 1893)

Steinbeis

- > 50⁺ yrs of Technology Transfer
- > 40⁺ yrs of Digital Transformation
- > 25 yrs of Projekt-Kompetenz-Studium



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Ferdinand von Steinbeis (1807 – 1893)

> Transfer by Minds <

- The Student (Fellow) as the Sovereign
- The supervisors as mentors and curators

> Value by Duality <

- The University as a framework for the development of competency
- The Companies as the places for the generation of utility and value



Industrial workers of the future depend upon theoretical knowledge combined with practical skills.

Ferdinand von Steinbeis (1807 – 1893)

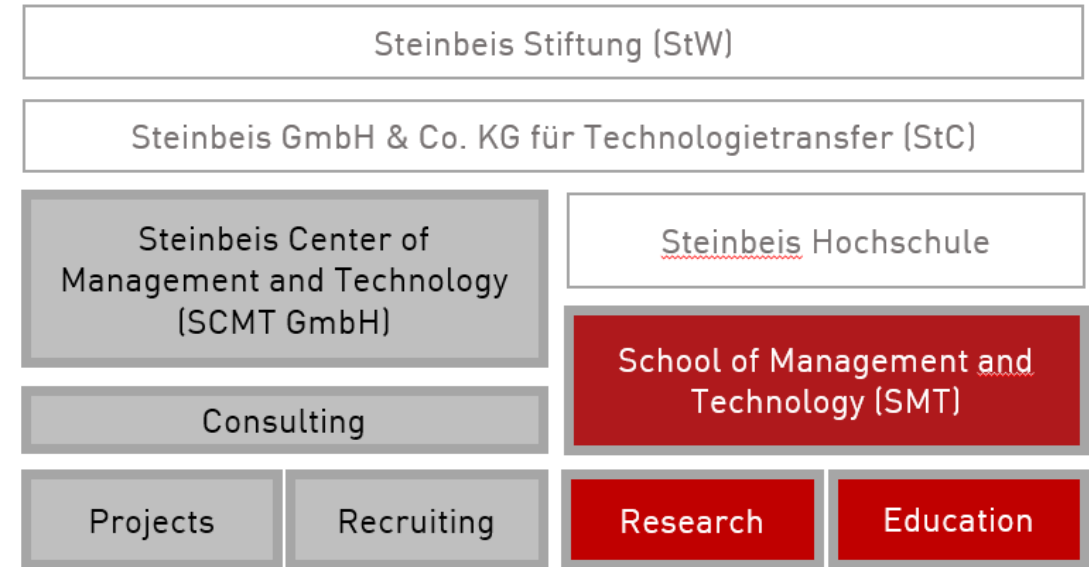
> Appreciation and Passion for Change <

- driven by a digital revolution
- developing critical Thinkers
- shaping Leaders for a Knowledge Society



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Ferdinand von Steinbeis (1807 – 1893)





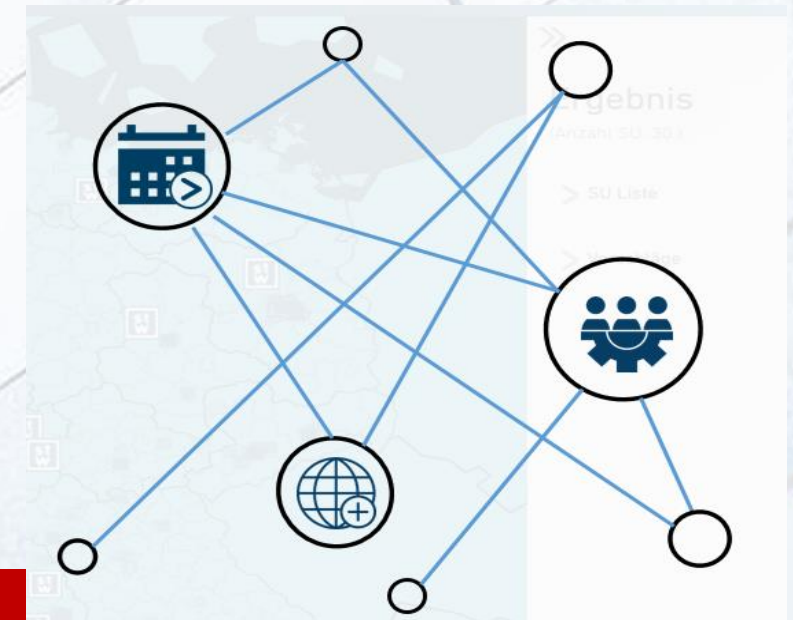
Industrial workers of the future depend upon theoretical knowledge combined with practical skills.

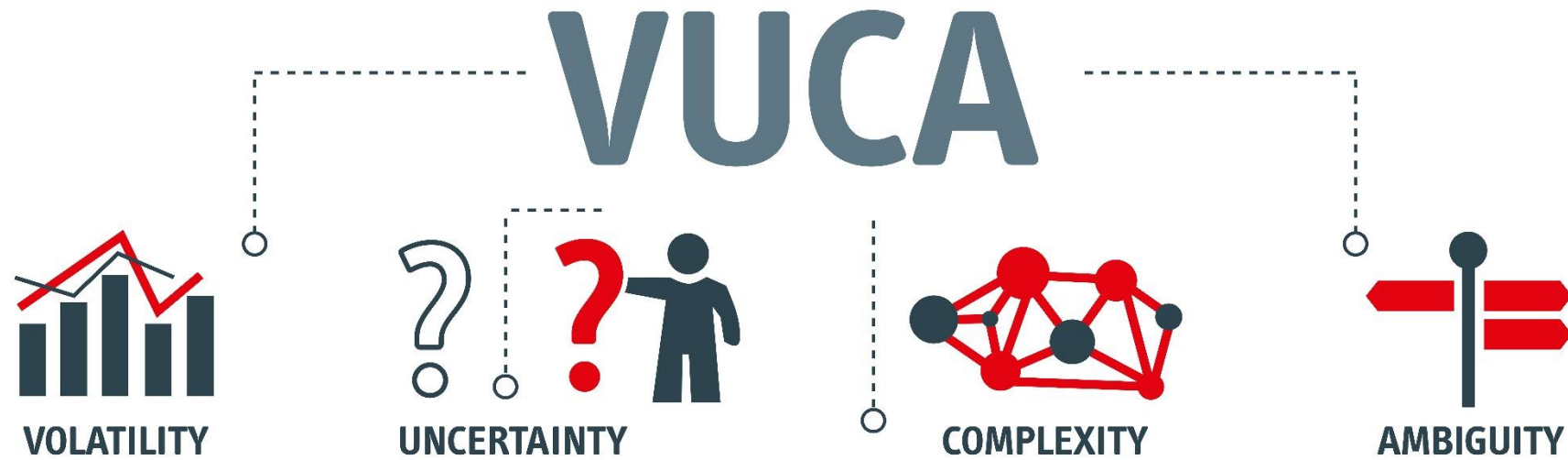
Ferdinand von Steinbeis (1807 – 1893)

> Steinbeis Network <

- 1.000 Steinbeis Service Units
- 6.000 co-workers
- 700 Professors
- 10.000 international projects p.a.
- 156.3 Mio revenues p.a.

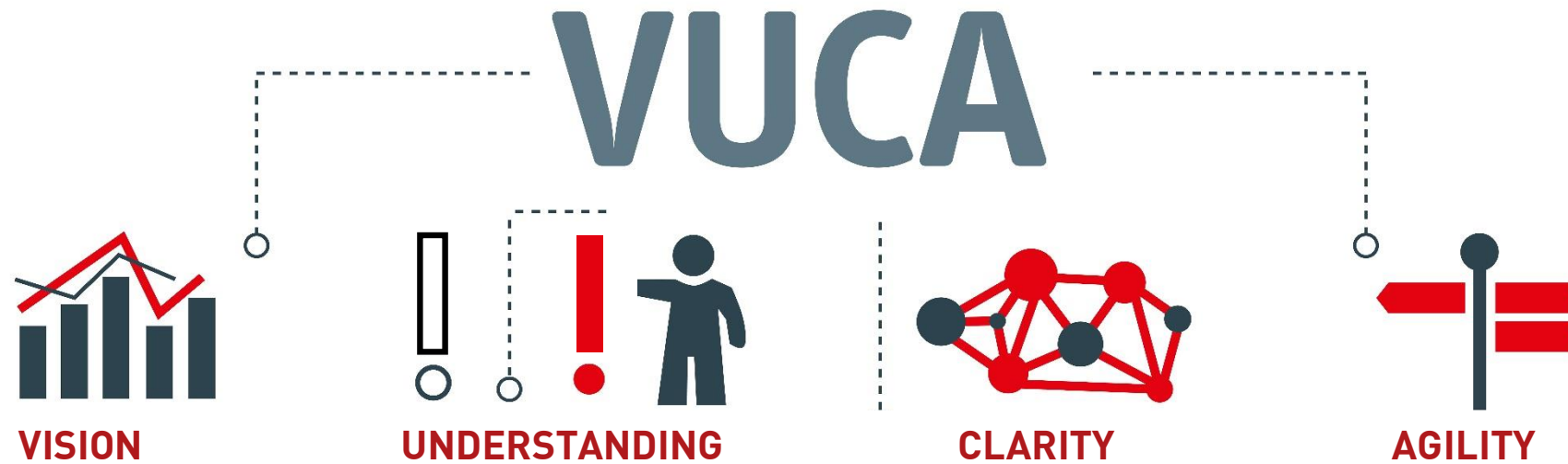
... and a University





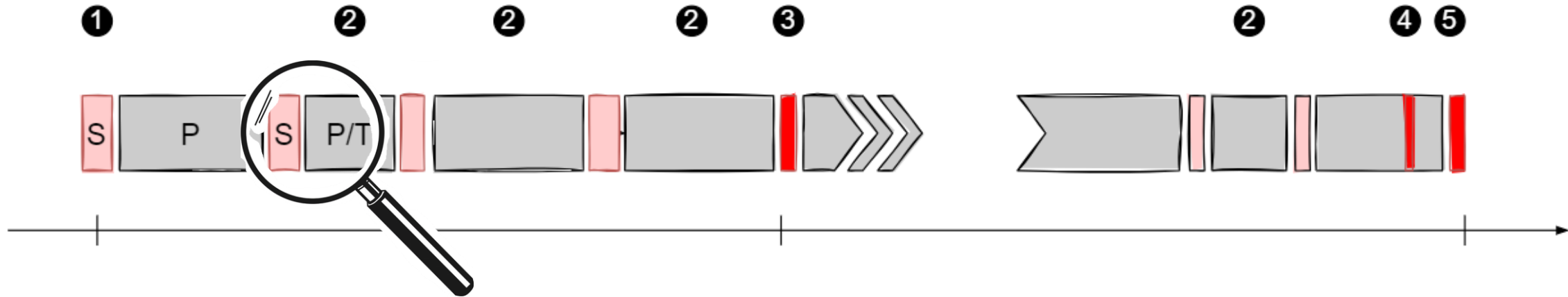
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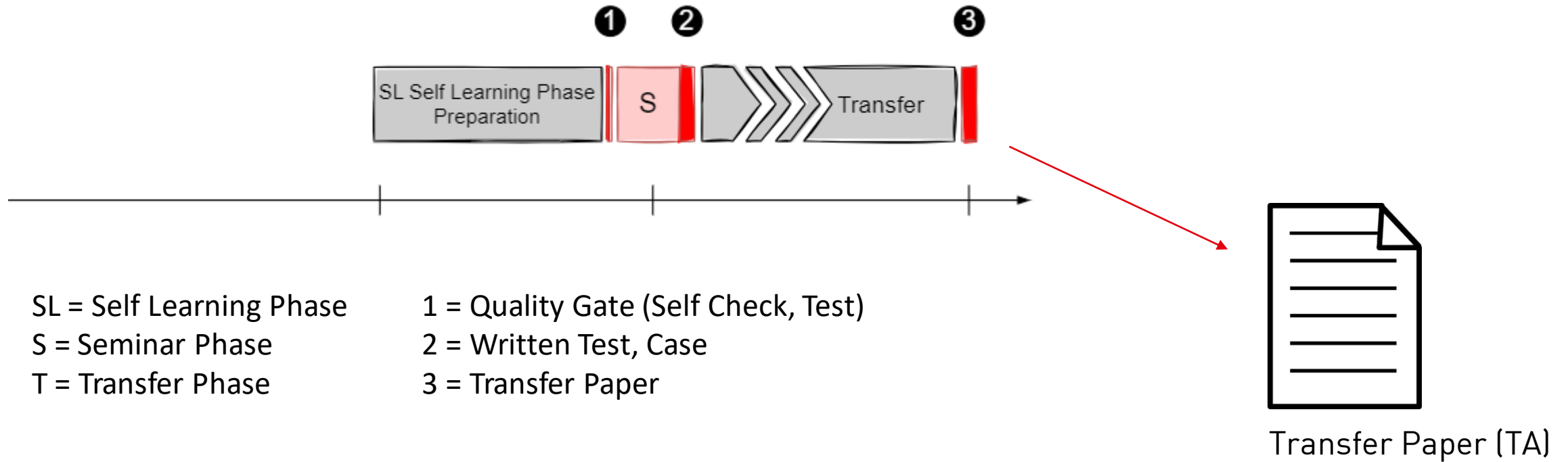


S = Seminar Phase
P = Project Phase
T = Transfer Phase

1 = Start of Program
2 = Transfer Papers (TA, TDR)
3 = Thesis Project Specification and Presentation (PSA)
4 = Thesis (Deadline)
5 = Thesis Defense

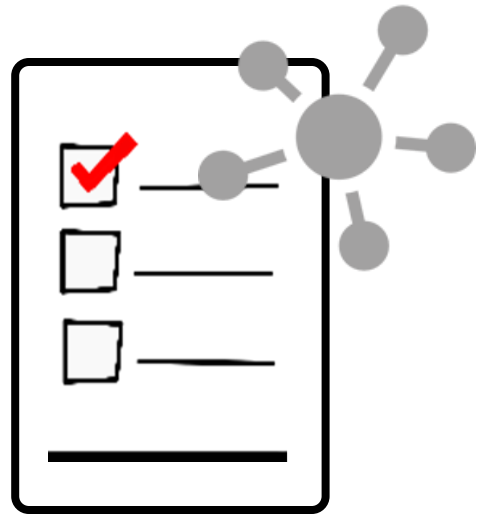
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Structure - Timeline, Milestones

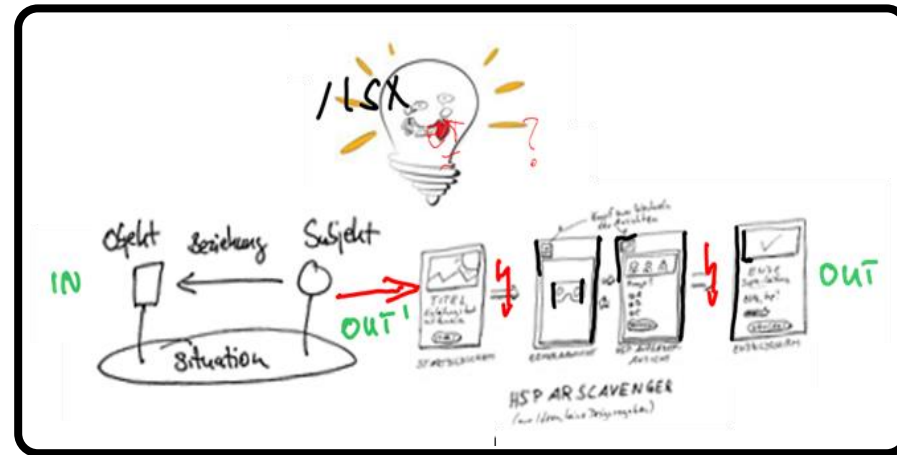


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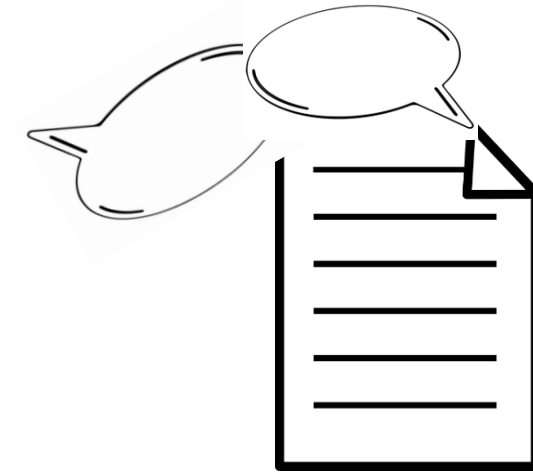
Structure - Modules



List of Ideas



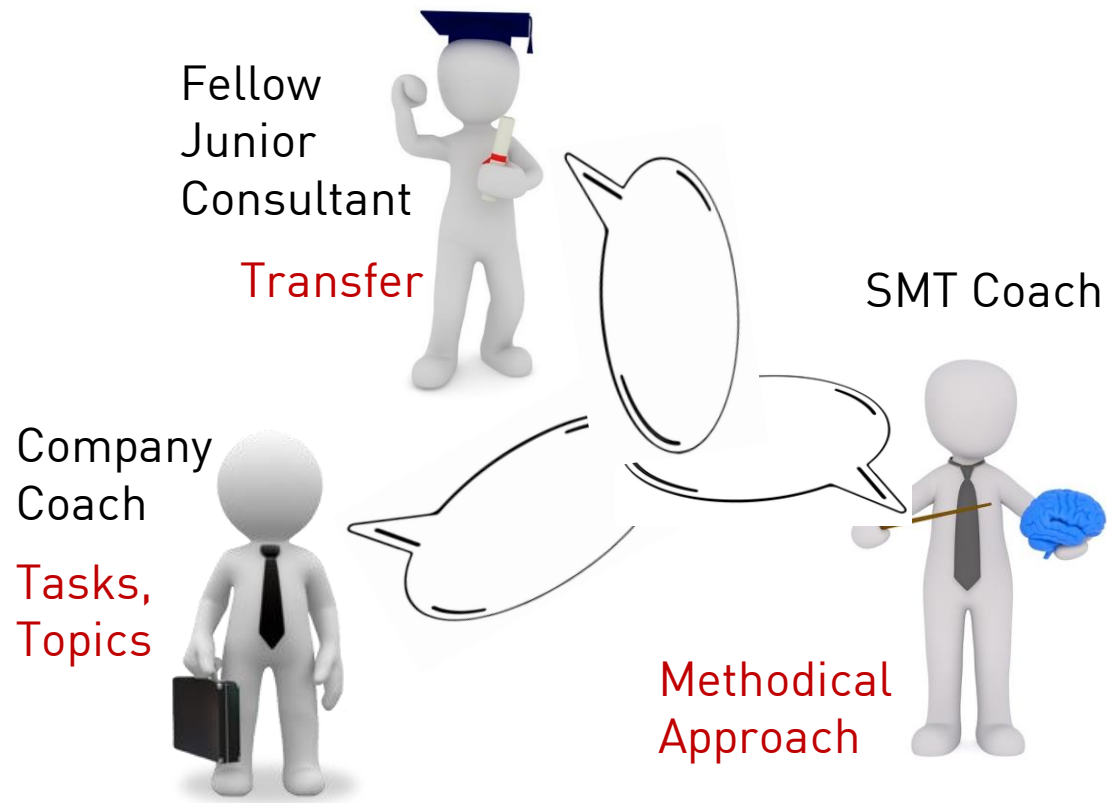
Big Picture, Problem and Project Context



Supervision, Reporting

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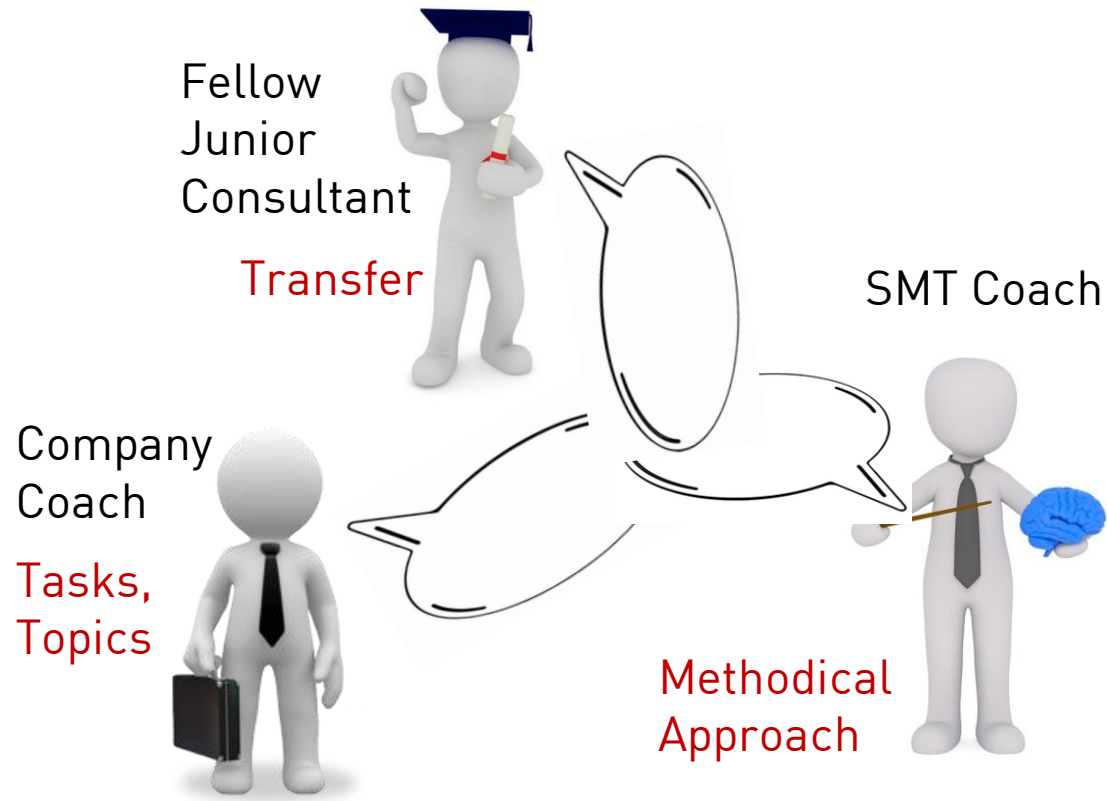
Structure – Flow and Tools



- > PKS Project Manager?
The Fellow!
- > Communication, Deadlines Outcome, Value?
Responsibility of the PM (Fellow again 😊)!
- > Channels and schedules?
Agree with supervisors (company & SMT)!

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Roles, Coaching Talks and Reporting



- > Content of scheduled meetings
 - List of Ideas
 - TA Problem Statements (Big Pictures)
 - Master Project Specification, Working Packages, Progress
 - Models, Methods and Tools
 - Goals, objectives, value and utility
- > Communication requires documentation!

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Roles, Coaching Talks and Reporting



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Triple Partnership



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Multiple Success



STEINBEIS UNIVERSITY

**School of Management
and Technology**

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Thank you for joining us!

Introduction, Context

Task, Problem

Theory, Methodology

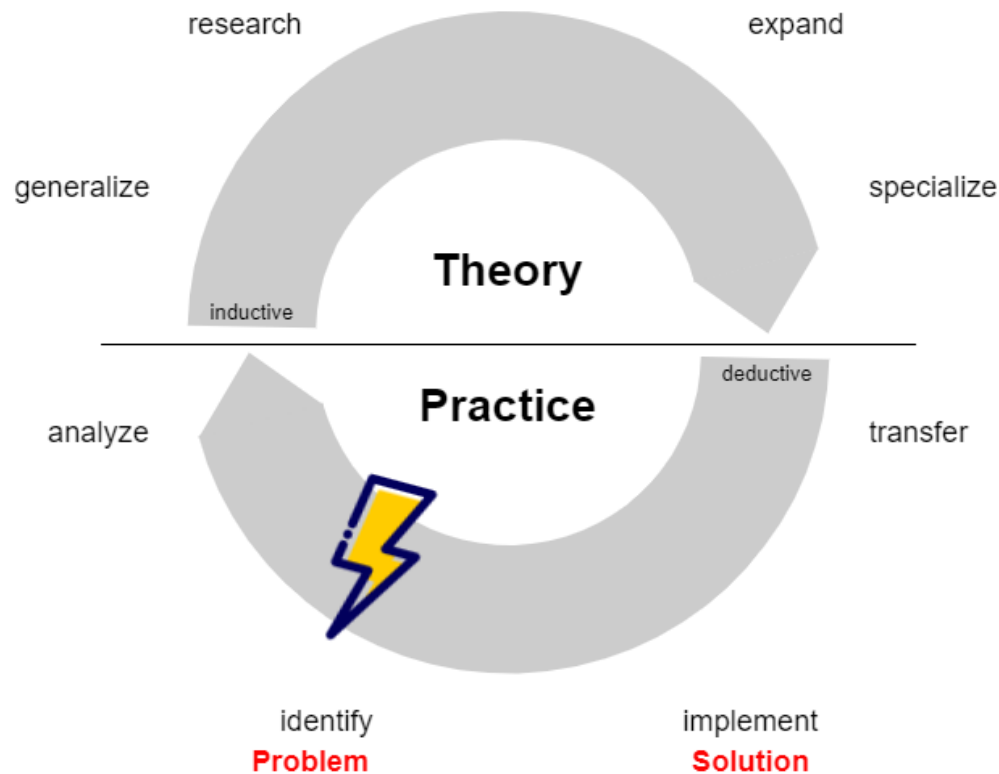
Transfer, Application

Summary, Conclusion

- › Why and how module and problem are related, relevant and fit
- › Problem and context analyzation and visualization. What is the concrete challenge? Guiding questions and objectives? Only where real problems exist, solutions have value
- › Problem abstraction. Identification, selection, argumentation and reasoning of the methods, theories and chosen for solving the problem.
- › Adaptation and application of methods and implementation of the solution, special challenges, insights, conclusions.
- › Utility, outlook

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Scientific Papers, Structure



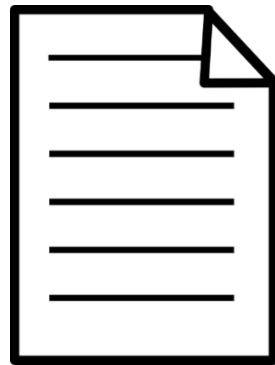
- › Identify Transfer Modules → create a List of Ideas
- › Identify problems and open tasks
keep eyes and ears open in everyday work
- › capture and outline identified problems (Big Picture)
- › map problems to relevant modules (and vice versa)
- › discuss problems with your coaches
Identify utility value and define the objectives
- › coordinate relevance and of TA in your master thesis project

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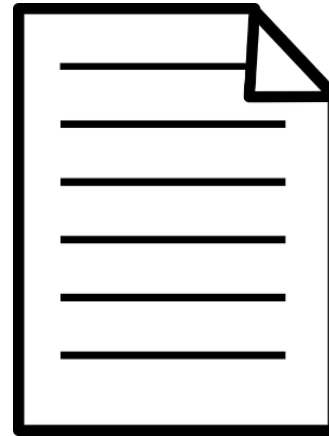
Scientific Approach (Design Science Research)



1. Transfer
Papers
TA, TDR



2. Project
Specification
PSA (Presentation)



3. Thesis
TH (Defense)

- › All papers are scientific papers
- › Similar in structure
- › Vary in volume, page length, focus, depth and breadth
- › May relate and build on each other

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Scientific Papers, Artefacts

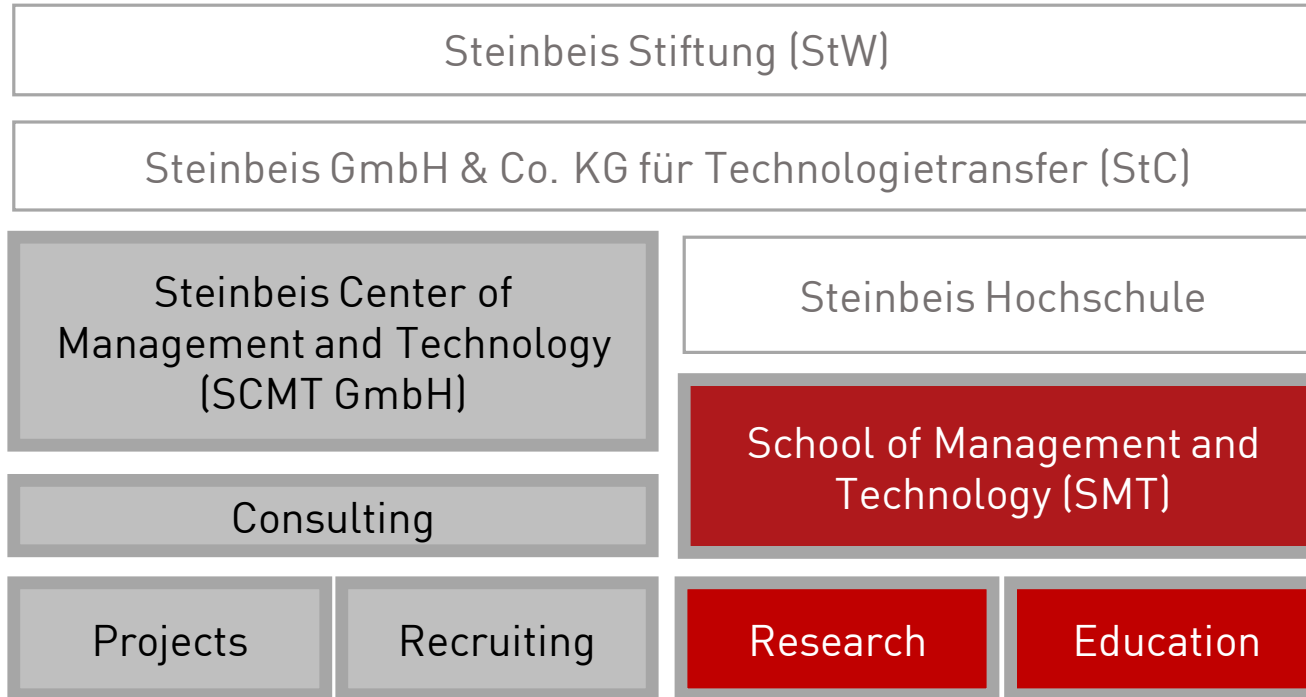
Reporting

Nr.	Aktivität	Soll Termin (Datum)	Erfüllungsgrad %
1	Einarbeitung in das Projekt sowie laufend in die betrieblichen und technologischen Prozesse	xx.xx.xxxx	100%
2	Konzeptentwicklung von Stammdaten-Tabellen für das Konverterstahlwerk bzw. Warmwalzwerk	xx.xx.xxxx	75%
3	Datensammlung und -aufbereitung	xx.xx.xxxx	90%
4		xx.xx.xxxx	100%
Nr.	Zukünftige Aktivitäten	Soll Termin (Datum)	Erfüllungsgrad %
1	Erstellen und Beschreiben von Stammdaten-Tabellen sowie erforderlicher Untertabellen	xx.xx.xxxx	0%
2	Durchführung von Regressionsanalysen - soweit erforderlich und sinnvoll - zu den definierten Einflussfaktoren	xx.xx.xxxx	0%
3	Modellierung der leistungs- und verbrauchsbezogenen Faktoren	xx.xx.xxxx	0%
4	Aufbau rechen technischer Verknüpfungen im Modell	xx.xx.xxxx	20%
5	Stetige Dokumentation der Vorgehensweise der bearbeiteten Teilschritte		
6			
	Projekttitel:	<Projekttitel gemäß Projektpflichtenheft>	Imma.-Nr.:
	Studierender (Name, Vorname):	<Name, Vorname>	1234
Nr.	Projekt-Meilensteine	Soll Termin (Datum)	Erfüllungsgrad %
1	Dokumentation über Prozesskette und beteiligte Abteilungen	xx.xx.xxxx	100%
2			

- > Projects are individual
- > Coaching and Documentation are as well
 - If your Company doesn't have its own standards, please use the templates provided by SMT
 - Every Communication requires its documentation (notes)
 - Even if there is no communication: there's written documentation latest every 2 months

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Reporting, Documentation



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Structure

Steinbeis – In a Nutshell

One Platform, Endless Opportunities

Netzwerksuche Karteninhalte Statistik

Steinbeis Network

- 1.000 Steinbeis Service Units
- 6.000 co-workers
- 700 Professors
- 10.000 international projects p.a.
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- ... and a University

