

# BAUSTEIN.

A Design Tool for Configuring and  
Representing Design Research.

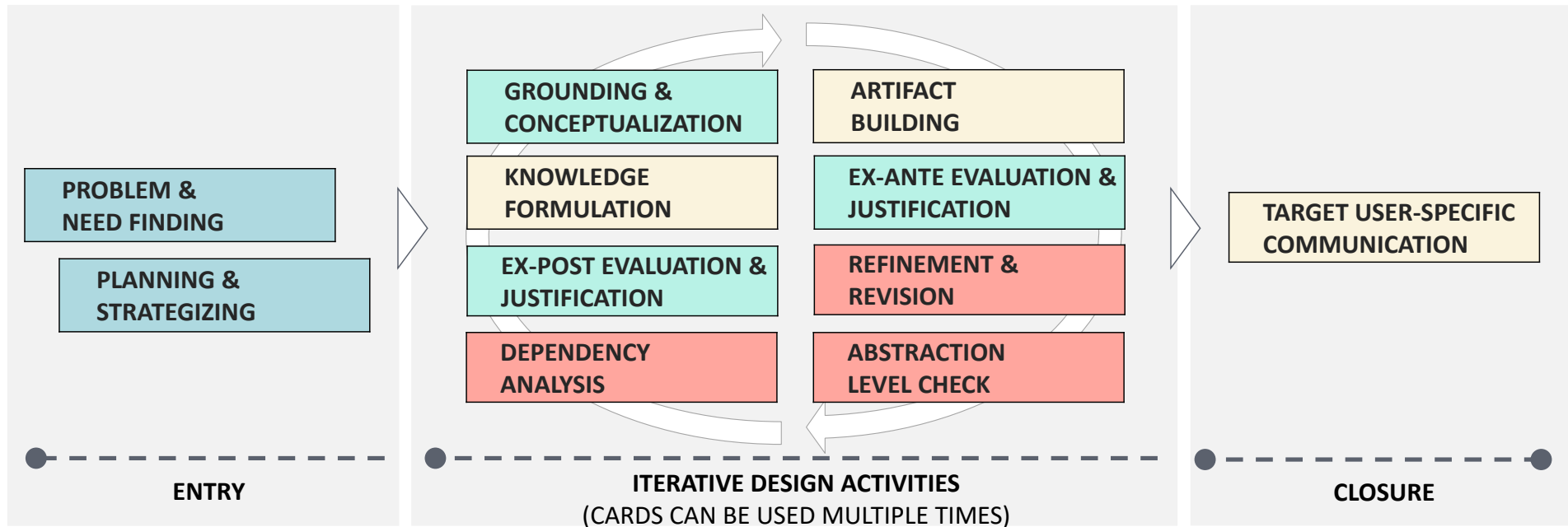
Schoormann, Möller, Chandra Kruse, & Otto (2024). BAUSTEIN – A Design Tool for Configuring and Representing Design Research. *Information Systems Journal*.



# BAUSTEIN Ensemble #2 – Ready-made Configurations

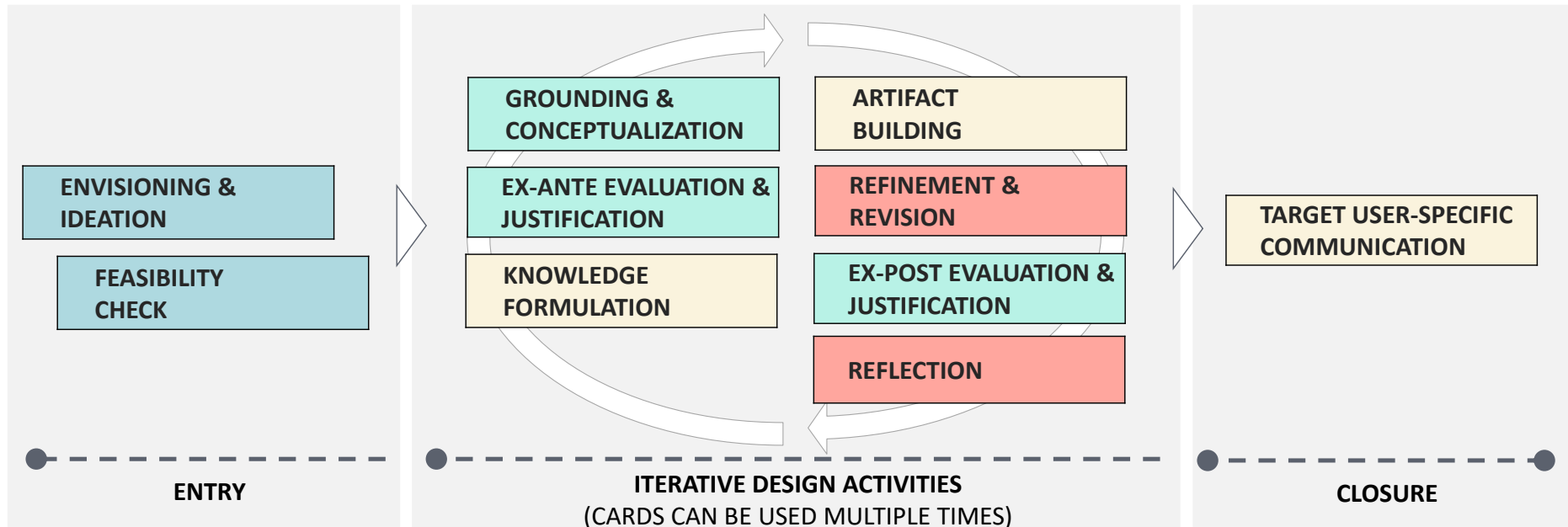
	Problem-solving	Vision-oriented	Artifact-driven	Theory-driven	Reflective meta-analysis
Theorizing	Induction	Induction	Deduction	Deduction	Induction
Entry point	Practical problem in an organization	Vision of an organization, team, funding	Project requirements and objectives	Application of a theory to solve a problem	Design knowledge from several projects
Outcome	Solved problem, situational artifact, design knowledge	Vision attainment, situational artifact, design knowledge	(Predefined) artifact, design knowledge	Theory testing, design principles, design theory	Design theory, design knowledge
Collaboration	Usually formalized intervention-based practice research (e.g., ADR)	Usually less formalized academia collaboration, often across disciplines (e.g., DSR)	Usually academia-practice collaborations; Third party funded (ADR, DSR)	Design research team from IS discipline	Design research team from IS discipline
Design knowledge development	Often after artifact evaluation	Often before designing an artifact	Often after artifact evaluation	Often before testing a theory	Often after the meta-analysis
Genre	Design-oriented IS	Design-oriented IS	Design-oriented IS	IS design theory	IS design theory

# BAUSTEIN Ensemble #2 – Problem solving



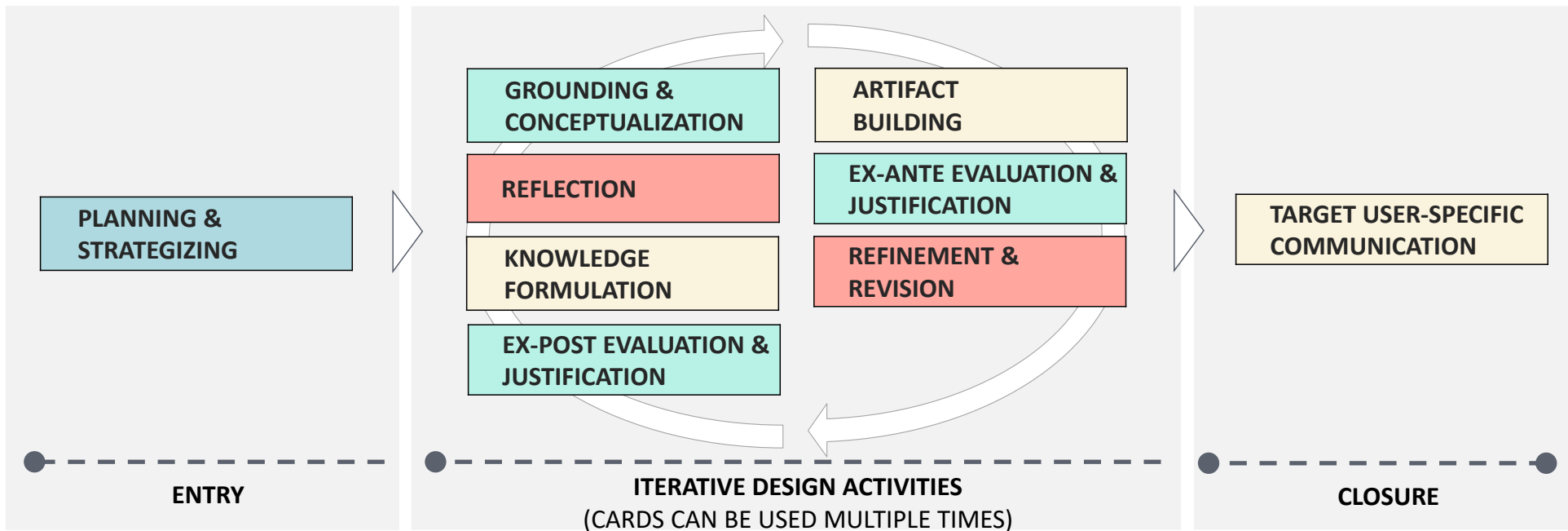
<b>Problem-solving</b>
Induction
Practical problem in an organization
Solved problem, situational artifact, design knowledge
Usually formalized intervention-based practice research (e.g., ADR)
Often after artifact evaluation
Design-oriented IS
Sein et al. 2011

# BAUSTEIN Ensemble #2 – Vision-oriented



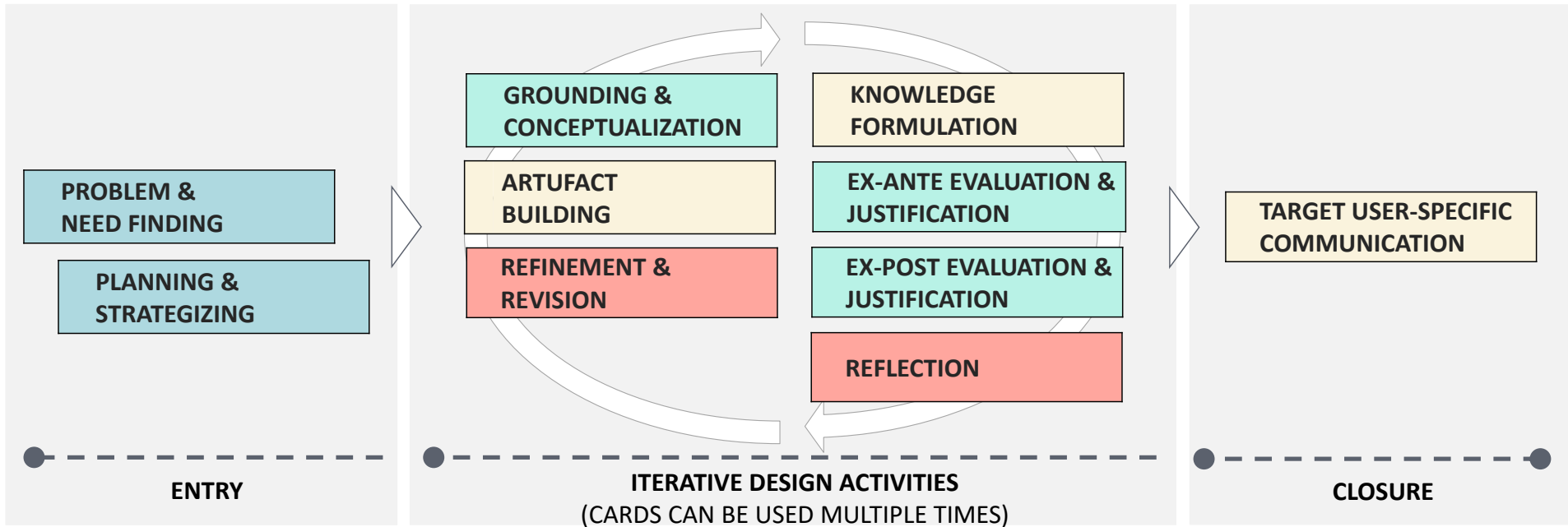
Vision-oriented
Induction
Vision of an organization, team, funding
Vision attainment, situational artifact, design knowledge
Usually less formalized academia collaboration, often across disciplines (e.g., DSR)
Often before designing an artifact
Design-oriented IS
Hevner et al. 2004; Peffers et al. 2011

# BAUSTEIN Ensemble #2 – Artifact-driven



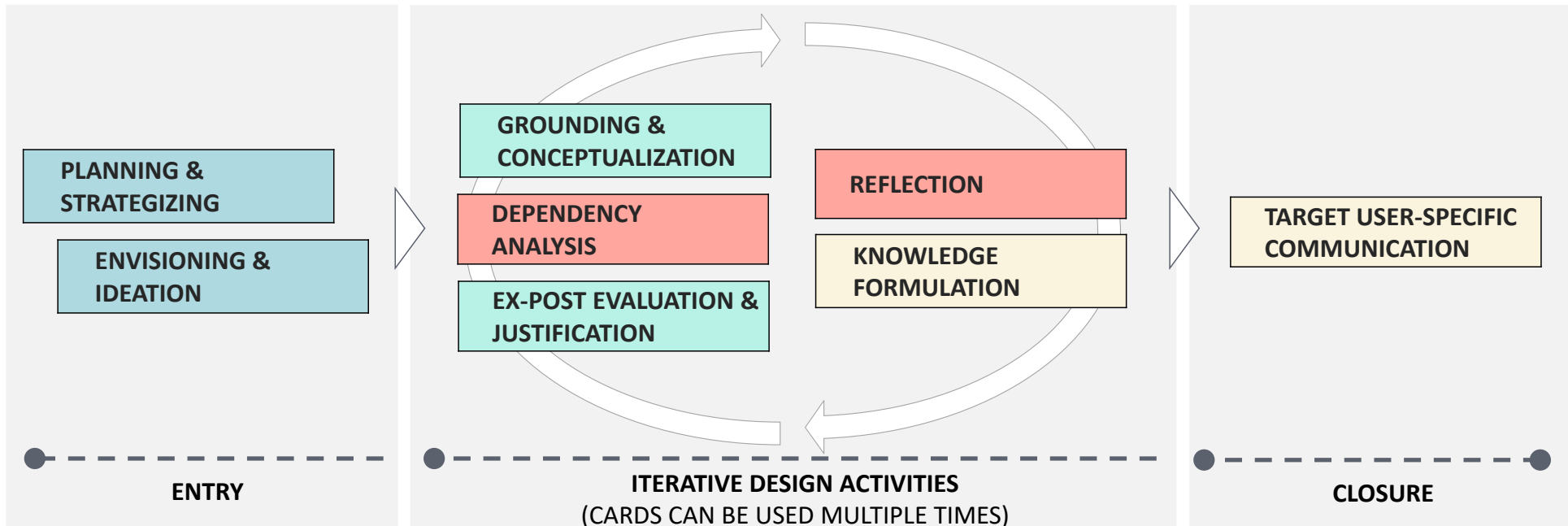
Artifact-driven
Deduction
Project requirements and objectives
(Predefined) artifact, design knowledge
Usually academia-practice collaborations; Third party funded (ADR, DSR)
Often after artifact evaluation
Design-oriented IS
Peffers et al. 2011

# BAUSTEIN Ensemble #2 – Theory-driven



Theory-driven
Deduction
Application of a theory to solve a problem
Theory testing, design principles, design theory
Design research team from IS discipline
Often before testing a theory
IS design theory
Kuechler & Vaishnavi 2012, Gregor & Jones 2007

# BAUSTEIN Ensemble #2 – Reflective Meta-Analysis



Reflective meta-analysis
Induction
Design knowledge from several projects
Design theory, design knowledge
Design research team from IS discipline
Often after the meta-analysis
IS design theory
Walls et al. 1992, Gregor & Jones 2007