

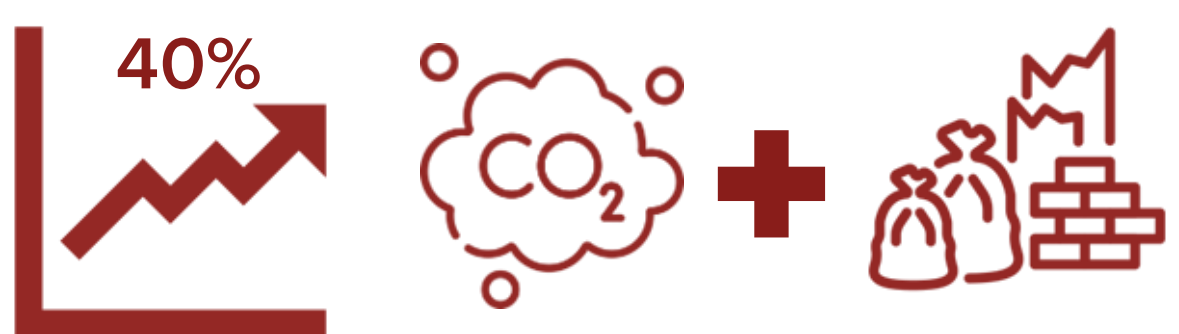
ADDRESSING THE SOCIAL DIMENSION OF REUSE PRACTICES IN THE CONSTRUCTION SECTOR

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HOW CAN SOCIAL IMPACT ASSOCIATED WITH **REUSE PRACTICES IN THE CONSTRUCTION SECTOR (RPCS)** BE EFFECTIVELY ASSESSED OR MEASURED ?

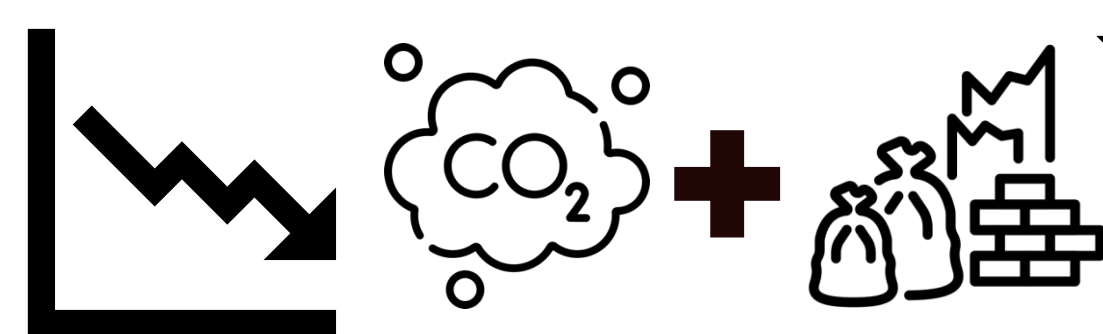
1. CONTEXT

CONSTRUCTION SECTOR



REUSE

Maintain Value

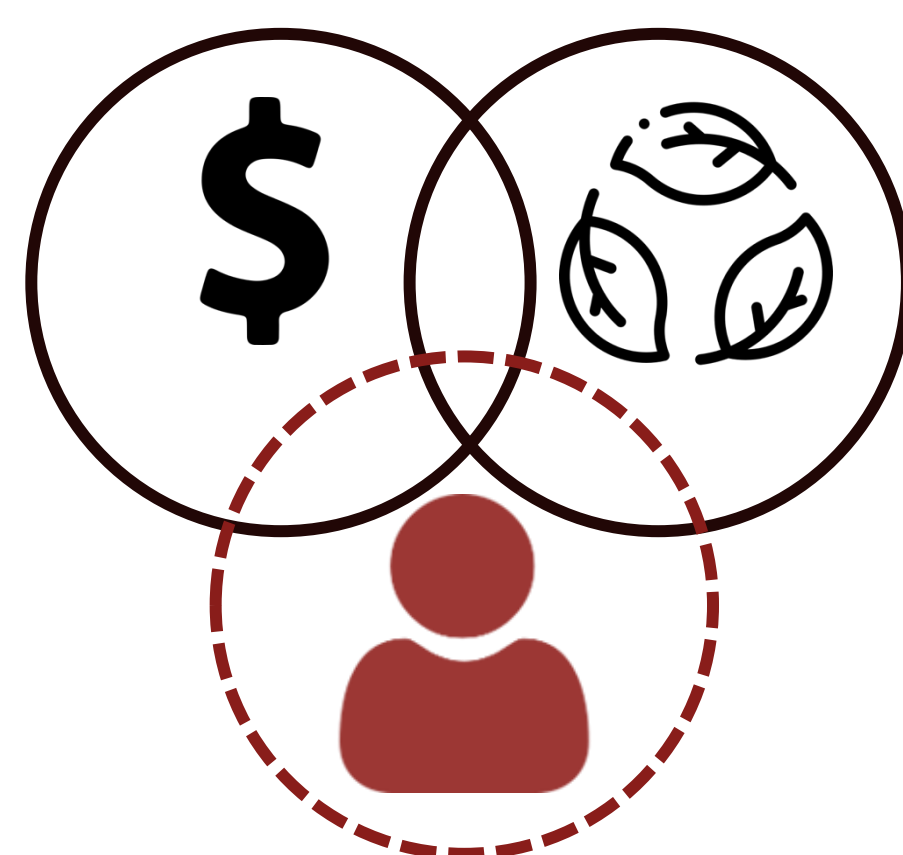


CONSTRUCTION SECTOR FROM LINEAR TO CIRCULAR

2. RESEARCH GAP

Current State Of **RPCS** and **Circularity** Development

TECHNICAL ✓
ENVIRONMENTAL ✓
ECONOMIC ✓

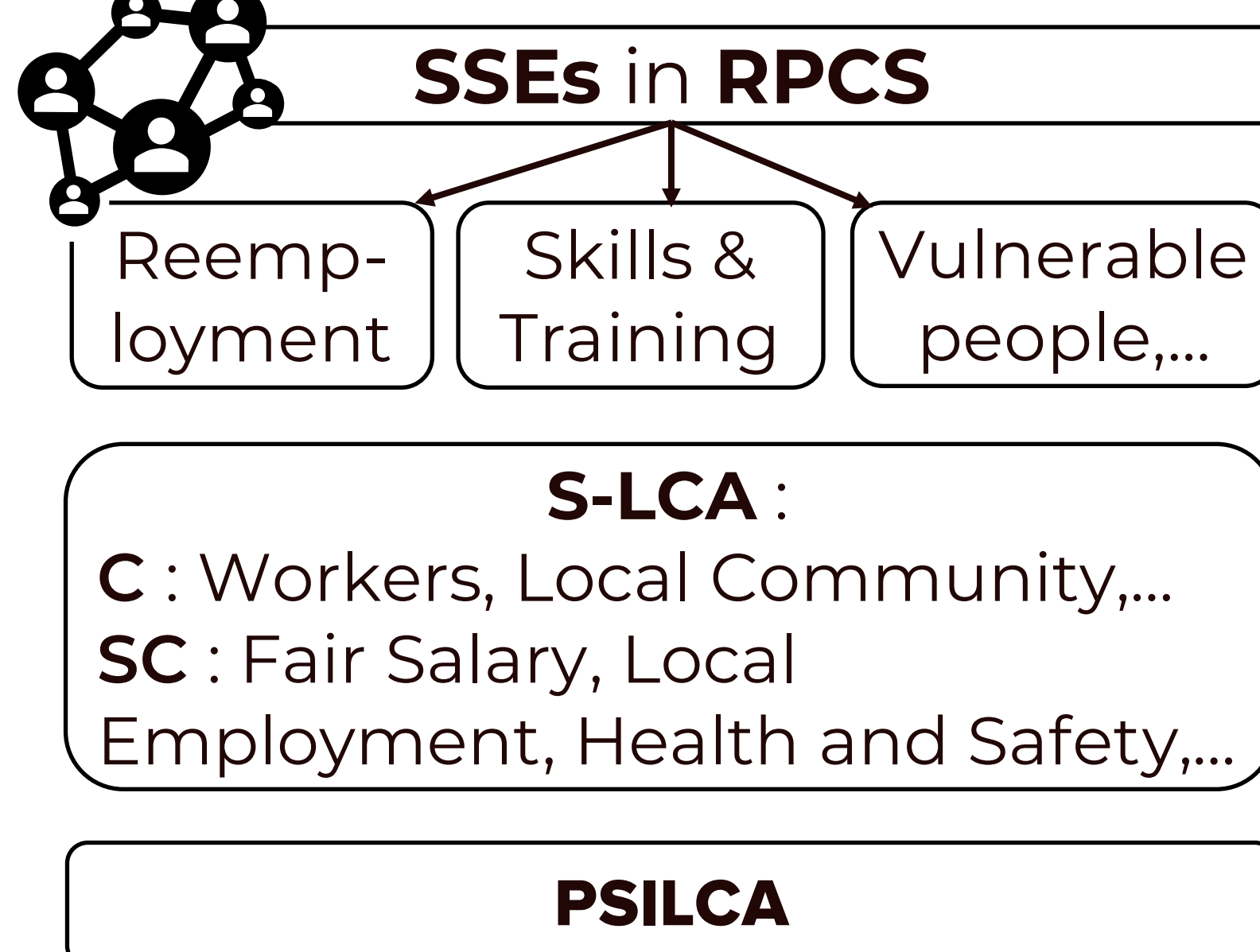


SOCIAL DIMENSION

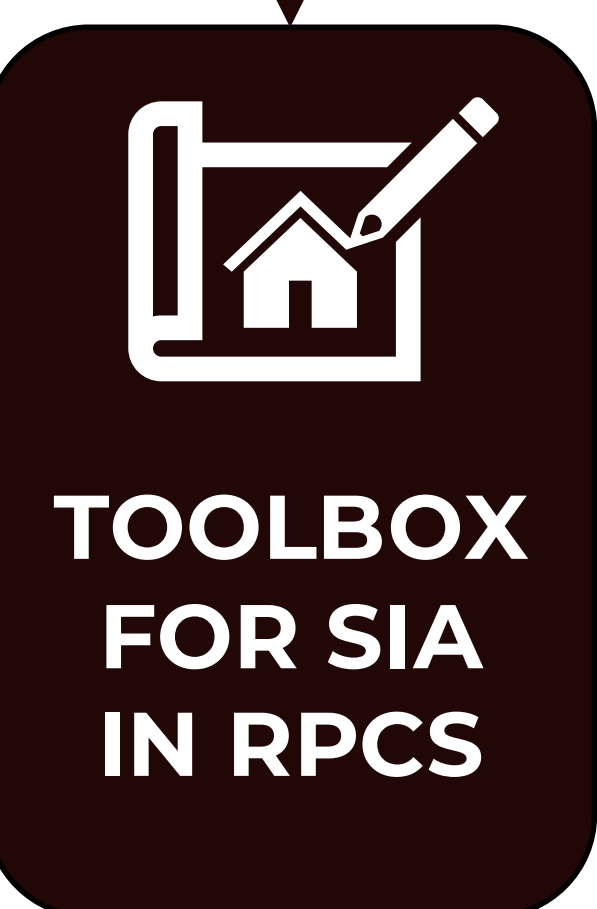
✗ OVERLOOKED
✗ NOT ASSESSED IN RPCS

NO FRAMEWORK FOR SOCIAL IMPACT ASSESSMENT (SIA) IN RPCS

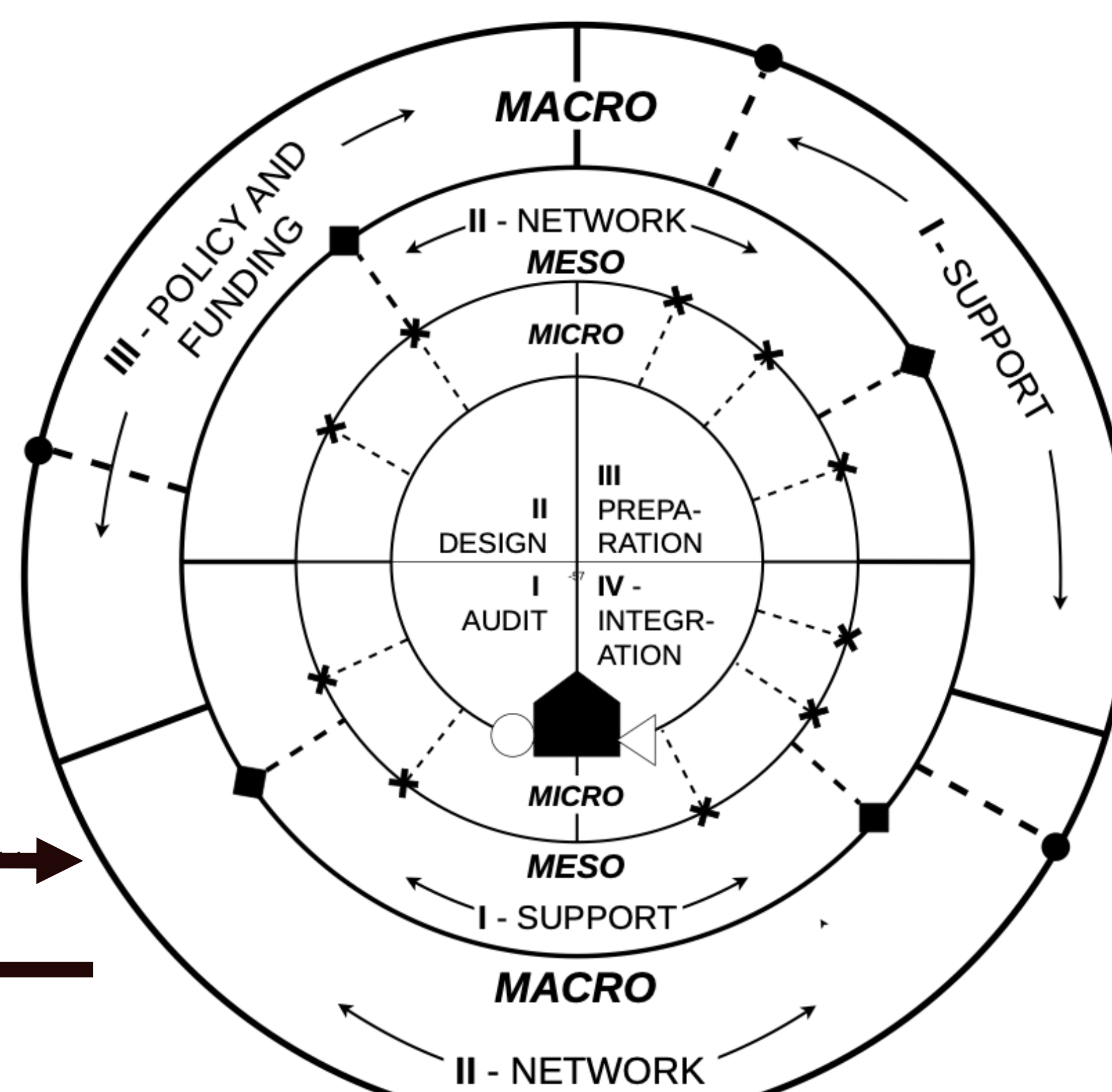
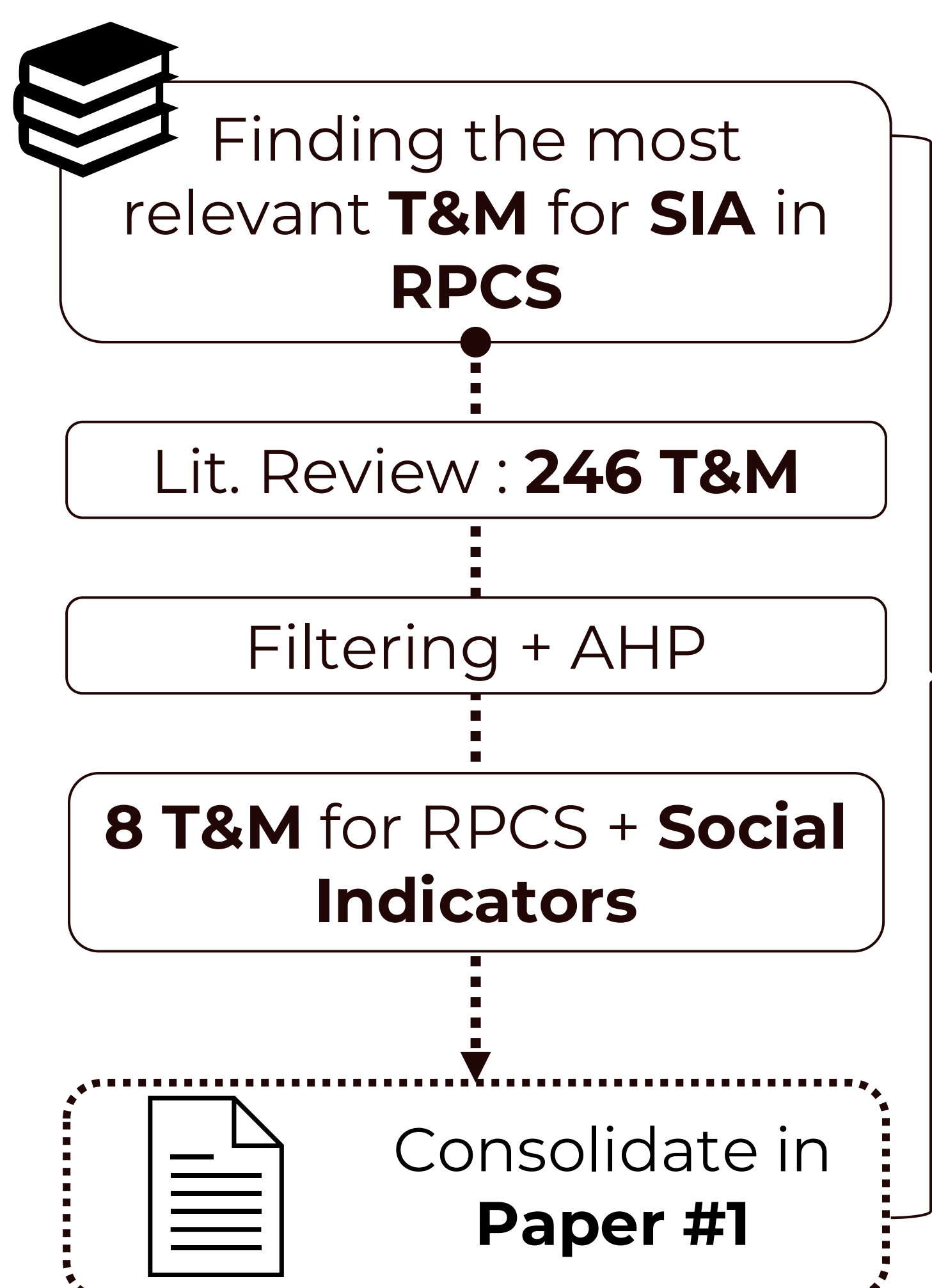
3. SCOPE...



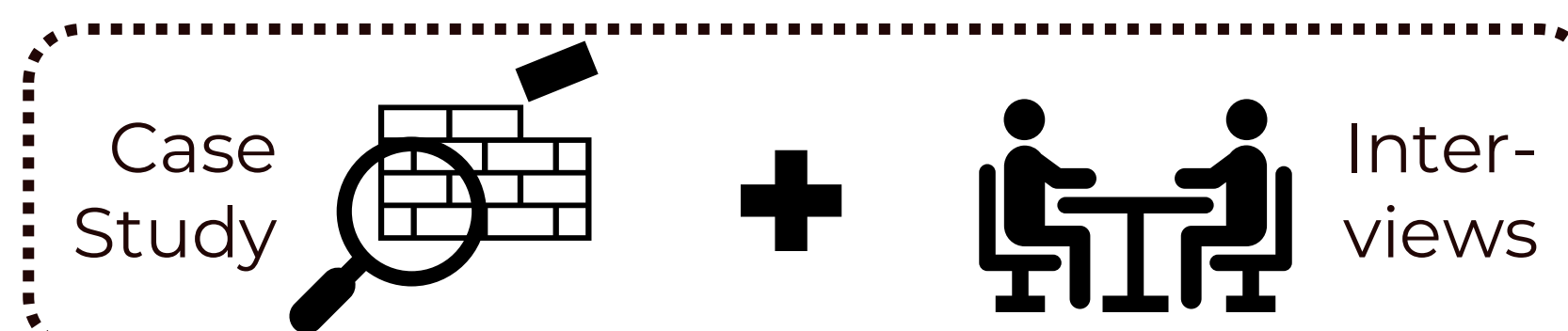
...& AIM



4. METHODOLOGY



Mapping of **Belgian SSES** in **RPCS** across scales



5. RESULTS – 1st TOOLBOX

Social Indicators From **Lit. Review + Interviews**

		Social Interaction	Adoption of circular Practices	Stakeholders trust	Job Creation	Stakeholders Collab.	Skills and Training	
		ABM	IAIA	FUZZY SOCIAL ASSESSMENT	CBA	GRI	SROI	IRIS+
		T&M>						
		Dyna. Simulation	Fram- ework	Uncertain. Handling	Mone tisa ^o	Repo rting	Monet isa ^o	Impact Metrics
TEMPORALITY	Up stream	X			X			
	In Process			X				
	Down stream				X	X	X	X
	Life Cycle		X					
SCALE	Project		X	X	X		X	
	Organ- isation.	X				X	X	X

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6. CONCLUSION

RPCS generate Social Impacts:

- Jobs,
- Skills,
- Cooperation,
- Local employment,...

BUT

These impacts remain **underassessed** in **RPCS**

- ✓ Toolbox enables their evaluation
- ✓ Supports a socially inclusive circular transition

AHP = Analytical Hierarchy Process
SIA = Social Impact Assessment
RPCS = Reuse Practices in Construction Sector
T&M = Tools, Methods and Frameworks for Social Impact Assessment or Measurement
SSES = Social and Solidarity Enterprises
ABM = Agent-Based Modelling
IAIA = International Association for Impact Assessment
CBA = Cost-Benefit Analysis
GRI = Global Reporting Initiative
SROI = Social Return on Investment
IRIS+ = Impact Reporting and Investment Standards
C = S-LCA Stakeholder Category
SC = S-LCA Impact Subcategories

