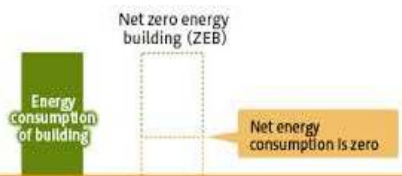


(From smart buildings to smart cities)

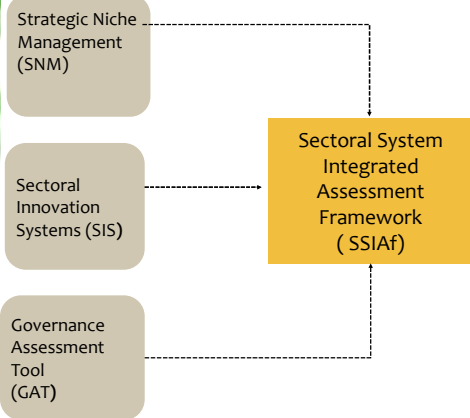
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Research Question
What is the potential of Net Zero Energy Buildings (NZEBs) niche development in the building sector in India?

1 Theoretical Framework

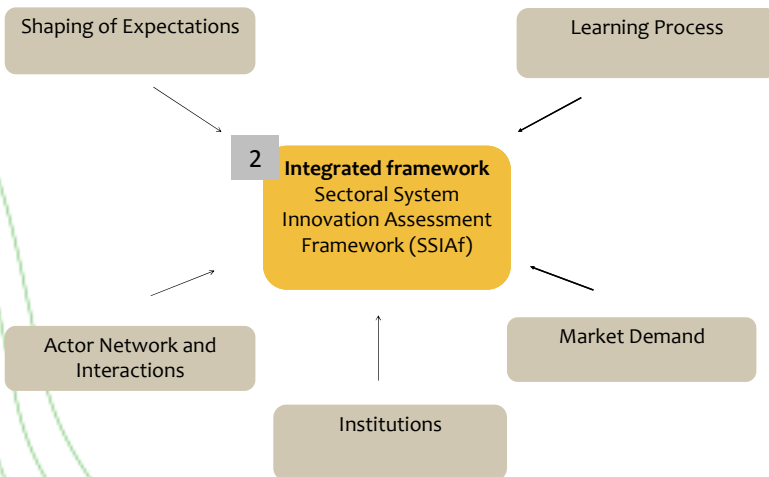


3 Research Design & Methodology

Empirical Studies

- a**
 - Sub question- 1
 - 3 completed / 4 ongoing demonstration projects
 - Qualitative Methods
 - 15- 20 stakeholders interviews
- b**
 - Sub question 2
 - Comparative study
 - Qualitative Methods
 - Quantitative Methods (Survey- Correlation and regression analysis)
- c**
 - Sub Question 3
 - Qualitative Methods
 - Quantitative Analysis (Survey – Multi Criteria Analysis)

What are NZEB ?
Net-Zero Energy Buildings(NZEB) are 'highly energy efficient, grid-connected building that generates at least as much energy through on-site renewable sources as it uses, accounted for annually'.



4 Preliminary Results

Aims and Objectives
To understand and explore the phenomenon of NZEB niche development and innovation in the building sector in India

To assess the status of niche development in India
Analyze the role of government and its innovation policies for NZEB uptake

- Niche actors share positive expectations of new sustainable technologies from NZEB demonstration projects
- Low level of actor interactions in the projects , seen as an obstruction to increased innovation
- Increased support from the government is needed to spur innovation
- Learning from demonstrations is fragmented

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