

# Connecting Climate Science and Decision Making

*Work packages*

Understanding  
the city-specific  
context

City learning  
processes

Climate  
information

*Long-term  
impacts  
(not measurable  
during project  
lifespan)*

**Increased  
resilience of  
southern  
African cities**

**Research questions**

Work packages

Research activities & engagements  
(measurable during project  
lifespan)

Long-term  
impacts  
(not measurable  
during project  
lifespan)

Understanding  
the city-specific  
context

City system  
(nexus)  
research

Decision making  
& governance  
research

City learning  
processes

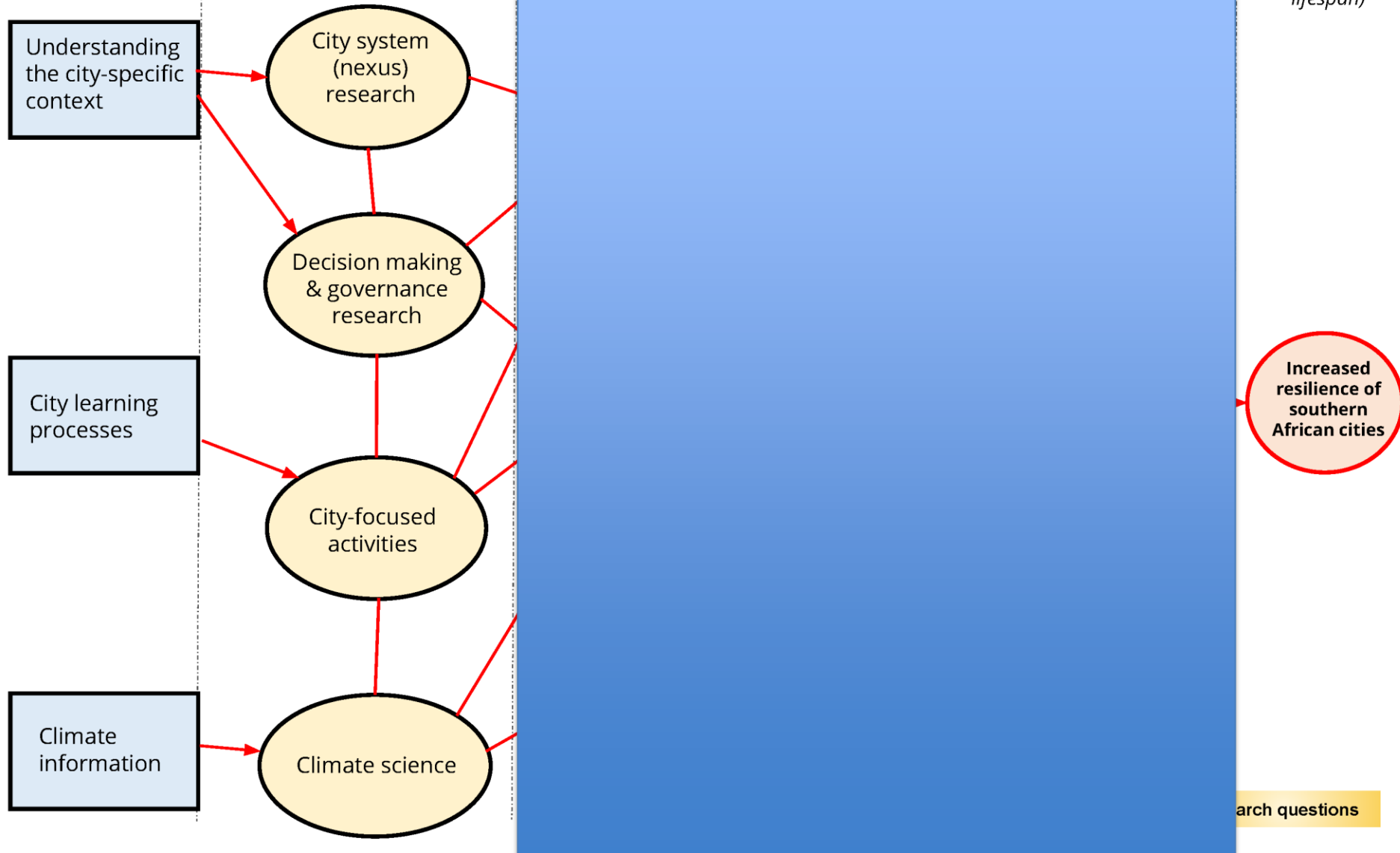
City-focused  
activities

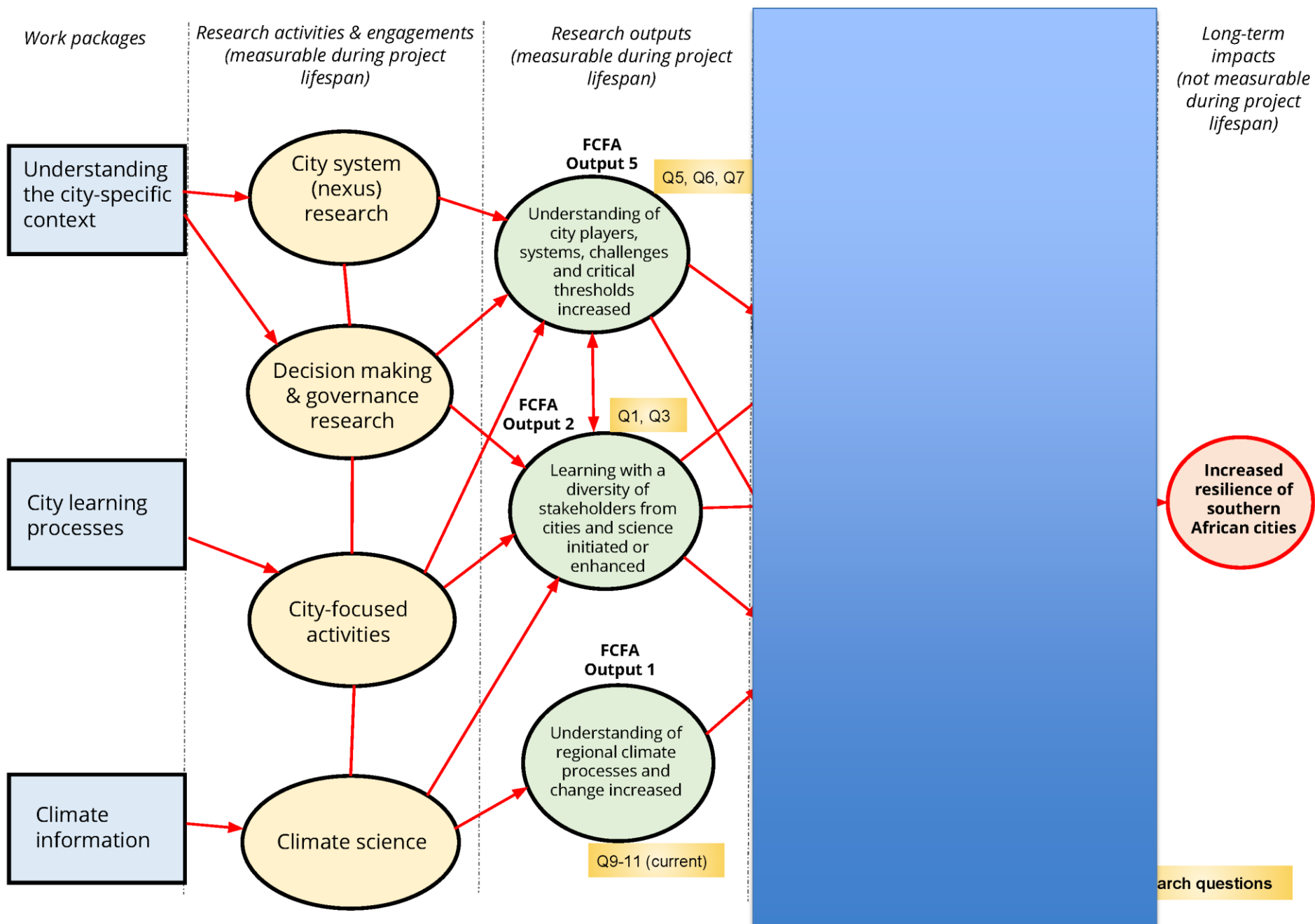
Climate  
information

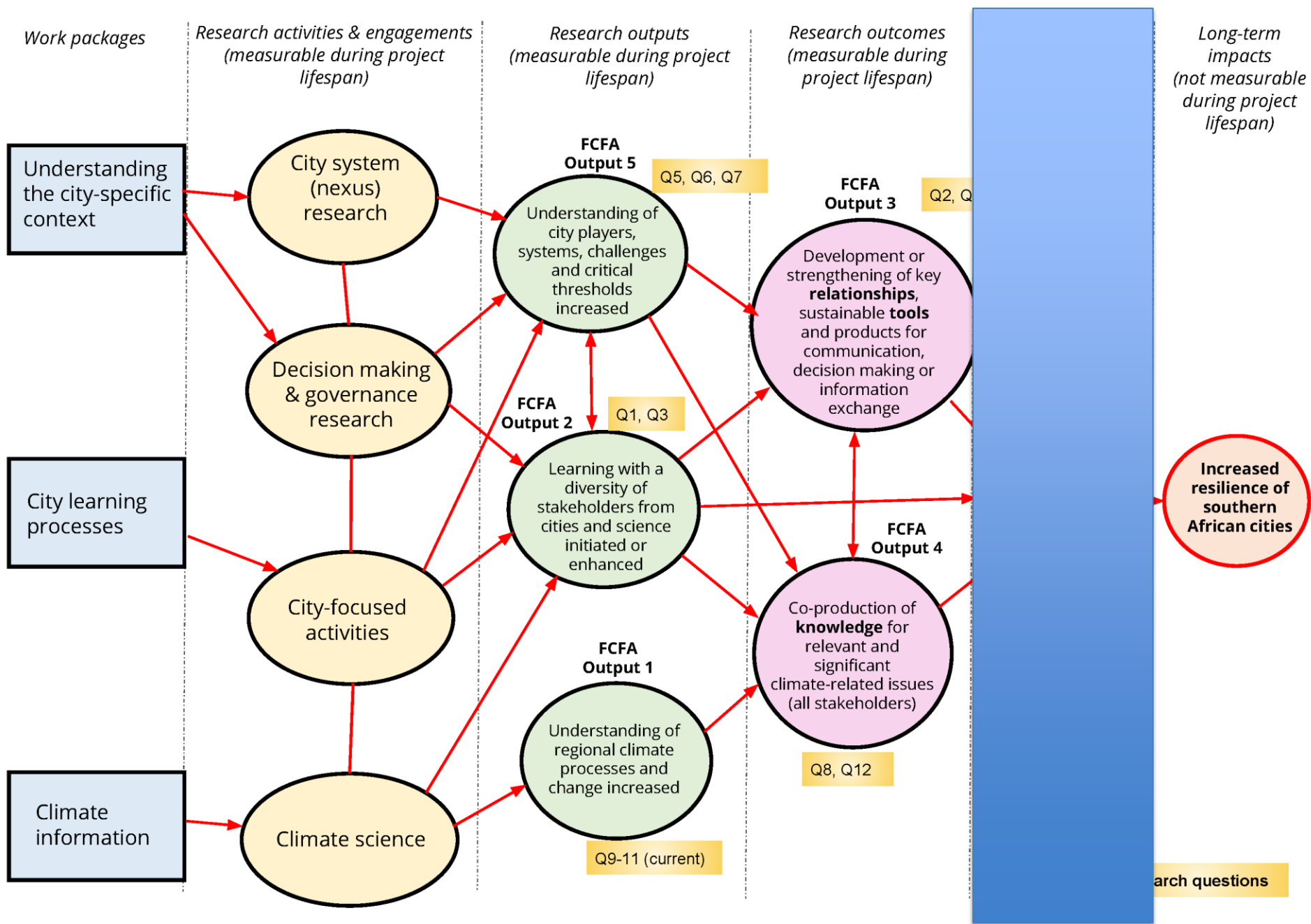
Climate science

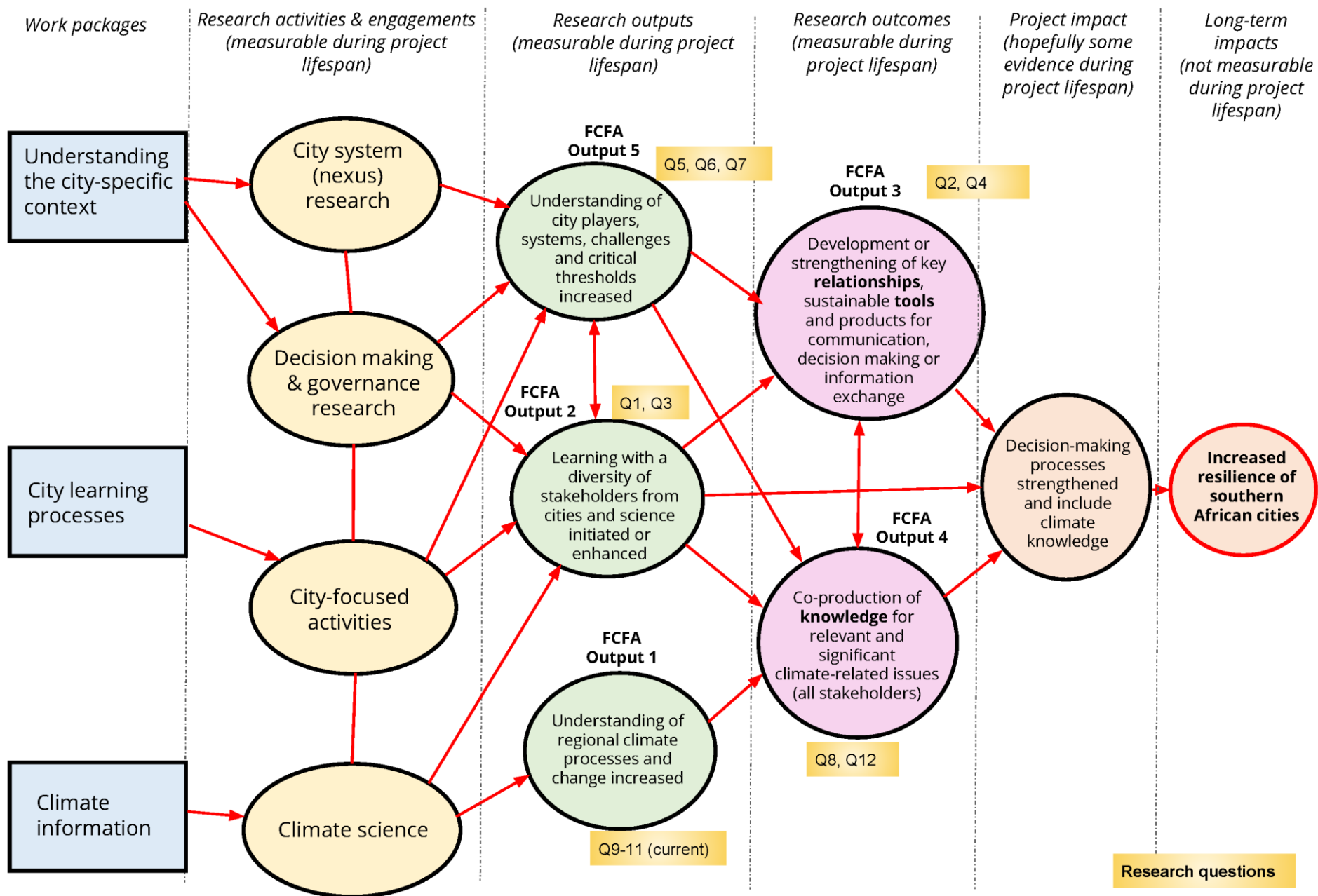
Increased  
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Research questions









## **Climate scientist learning points:**

- How unprepared cities are to cope with natural variability, let alone climate change.
- Disasters are an opportunity to develop resilience for the future
- Very few entry points for climate in cities
- Many potential users don't know what they need in terms of climate information
- People don't really know how to use climate information
- Language and conceptual frameworks are a big challenge
- Understanding the context/system in which climate information could be used means long-term engagement to identify burning issues before any "climate information" is introduced.
- Relationship based.

## Practitioner learning points:

- Challenges in working with/using climate information (especially in learning labs)
- Difficult to apply third space (trans disciplinary space/learning labs) principles in governance structures
- Get practitioners and academics to use common language
- Continual stake holder engagement is important
- Good added value because of having to work in a trans-disciplinary context means learning outside chosen disciplines
- Receptivity - decision makers become receptive which then leads to action as they see things in a new way





# FUTURE RESILIENCE FOR AFRICAN CITIES AND LANDS (FRAC TAL)

*Growing Climate Knowledge for Action in Urban Africa*

## City Specific Context Decision-Making Space Physical Climate Processes

### multiple scales

Explore connections between climate sensitivities and decision-making at urban, national and regional scales

### climate

better understand southern Africa's climate, its drivers and systemic impacts on city-regions

### governance

better understand decision-making in southern African city-regions on water, energy, food and climate issues

### learning labs

multi-stakeholder learning processes to co-explore and co-produce knowledge on climate-sensitive 'burning issues'

### city regions

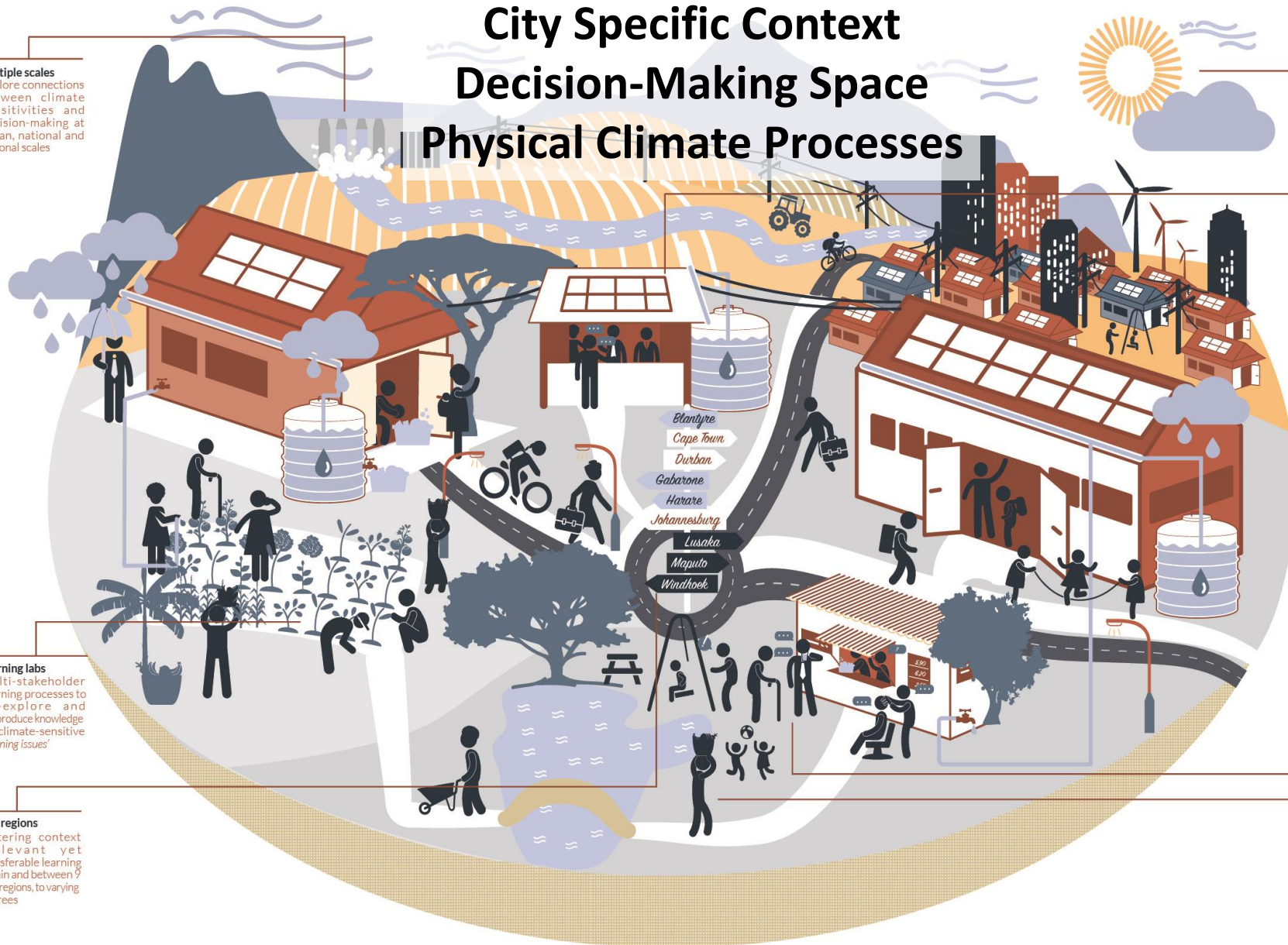
fostering context-relevant yet transferable learning within and between 9 city-regions, to varying degrees

### city dialogues

various city-based trans-disciplinary engagements beyond and between the Learning Labs

### City learning

ongoing and iterative learning processes (including learning labs and dialogues) that drive the co-production of relevant climate knowledge



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