

LIVEABLE

NEIGHBOURHOODS

with water as foremost priority



Presented by

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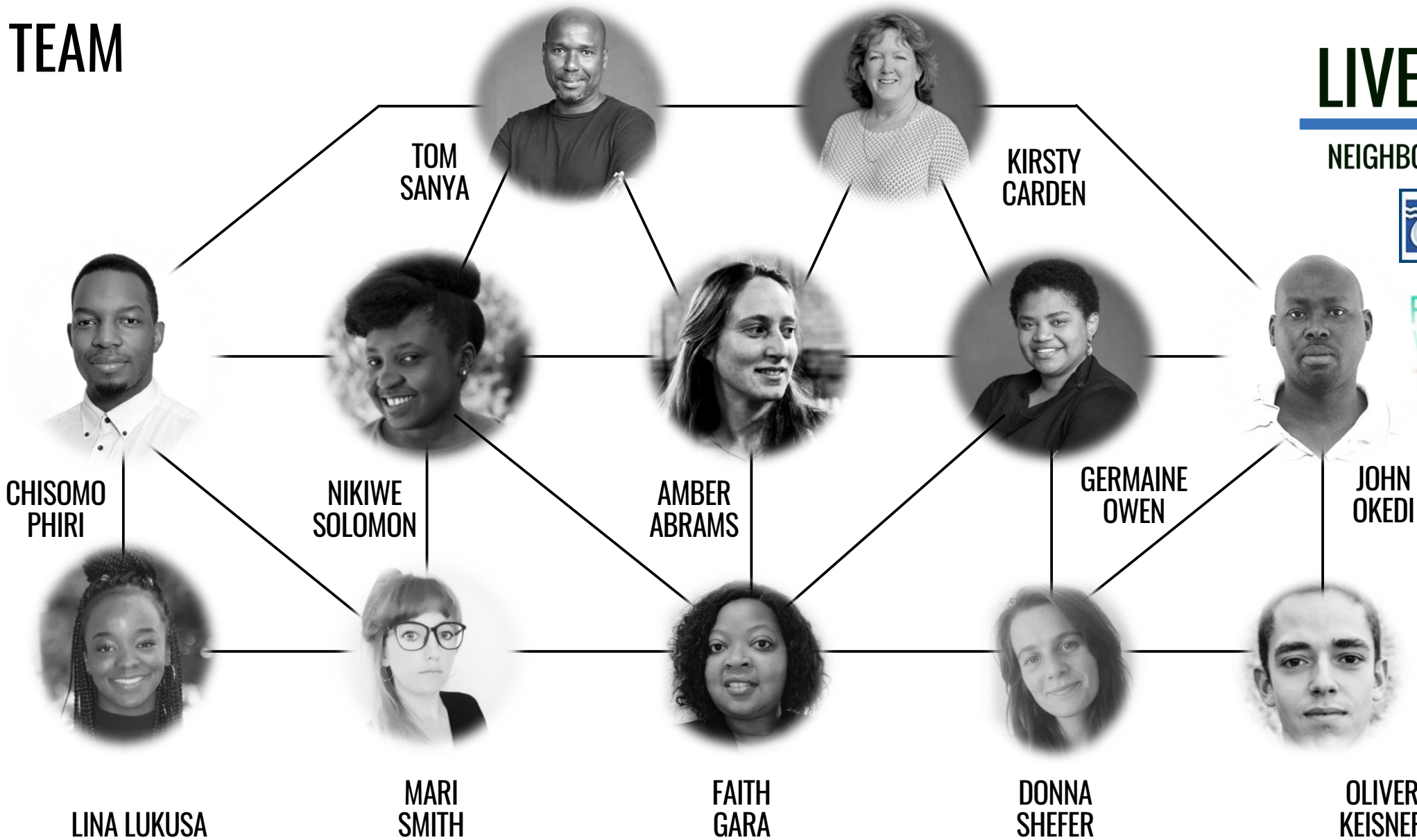
Mrs. Faith Gara, Ms. Donna Shefer and Mrs. Mari Smith



THE TEAM

LIVEABLE

NEIGHBOURHOODS



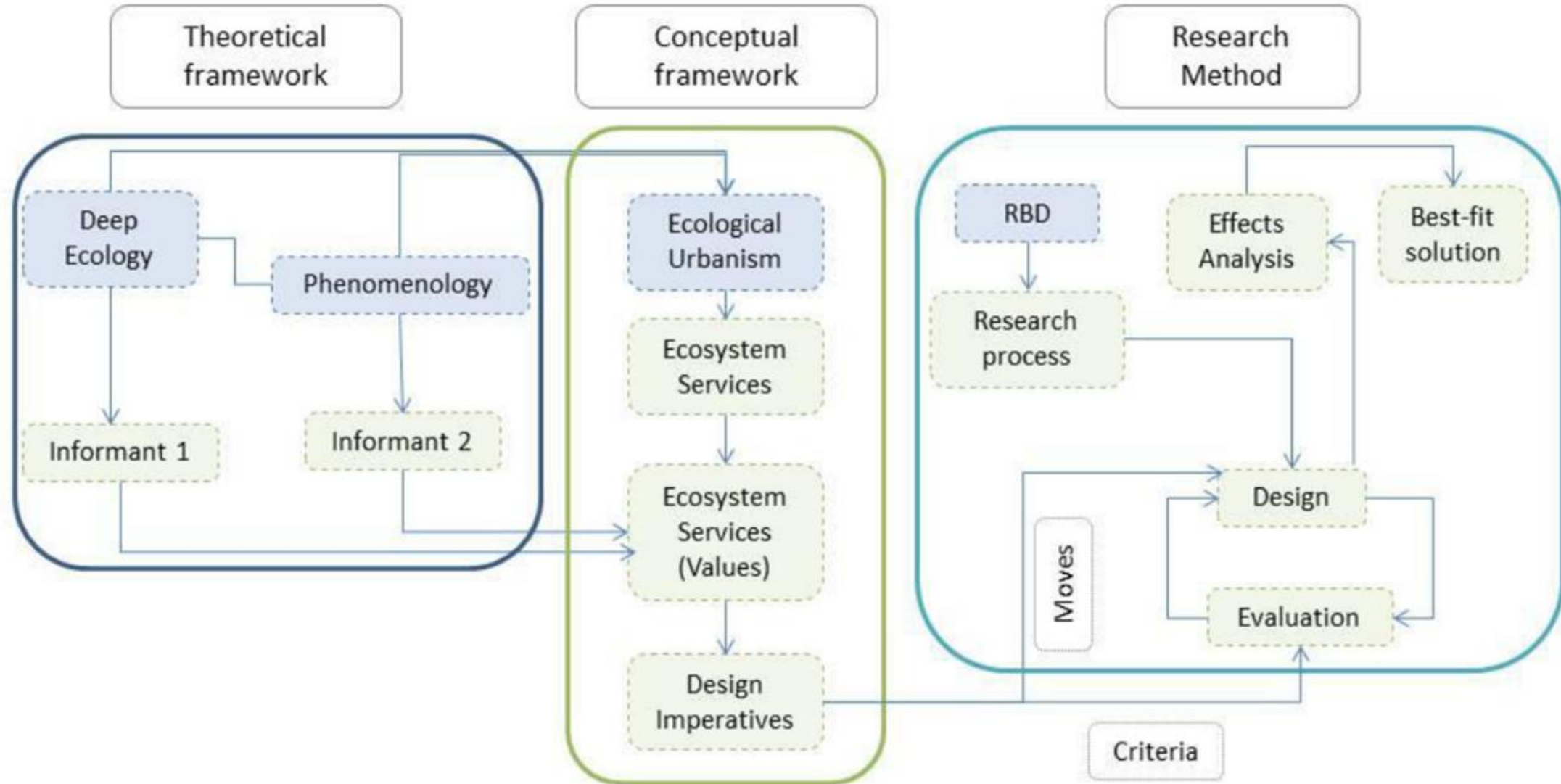
Livable Neighbourhoods

Task based deliverables:

- Set out, aims and objectives
- Establish Methodology
- Conduct Preliminary evaluation – Sociological and Spatial
- Prepare Progress report – Cohort establishment and plan
- Prepare Interim report - Literature focus
- Prepare Progress report – Spatial and Urban planning

RESEARCH MAP

- Baseline study
- Inquiry
 - Map Study
 - Spatial Development
 - review



2019

2020

2021

Data Collection

Design and Review

Macro Urban
Proposal
R.Cameron

Urban Planner
D Shefer

Urban Design
M Smith

Social-Contextual
F Gara

Geo-Contextual
C Phiri

Data Refinement
C Phiri

Architectural Design
C Phiri

Brief

Information System
Lina Lukusa

Baseline
Investigation

Social Insights

Spatial
Development
Framework

Urban Design
Framework

Piecemeal
Architectural
Proposal

Decision
support
framework

Schedules

Outcomes

LNRP Transdisciplinary Flow Diagram

- INCREASING INEQUALITY
- ENVIRONMENTAL DEGRADATION
- POOR QUALITY PUBLIC SPACES
- ECONOMIC INEFFICIENCY
- INADEQUATE PROVISION OF SERVICES



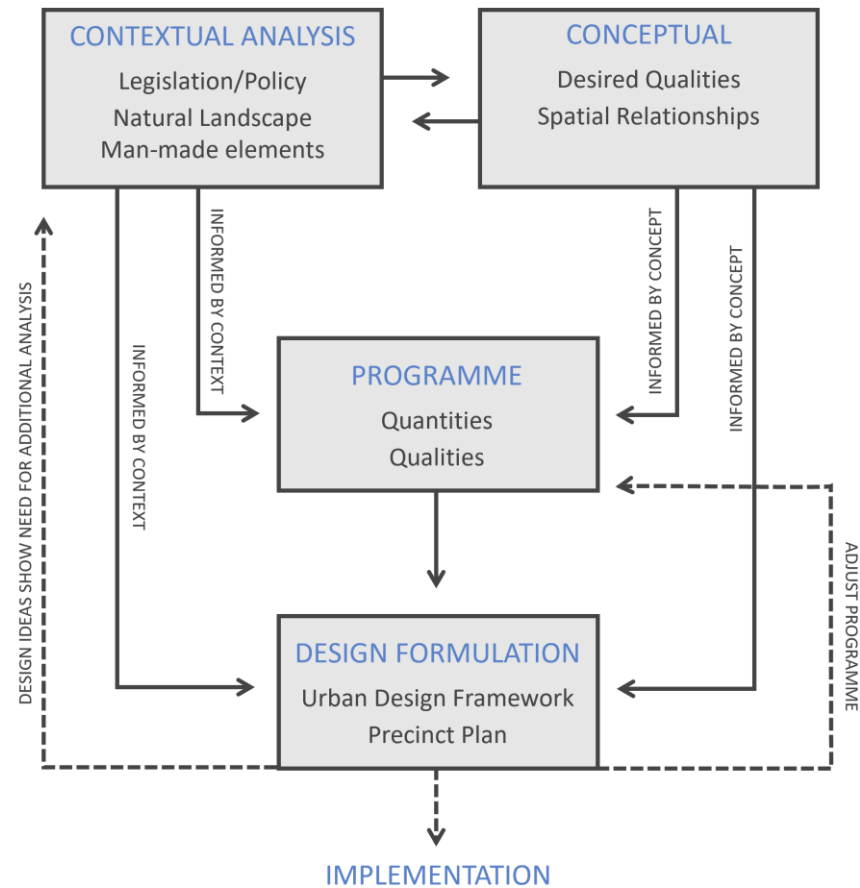
Cape Town,
Western Cape,
South Africa



Urban Design

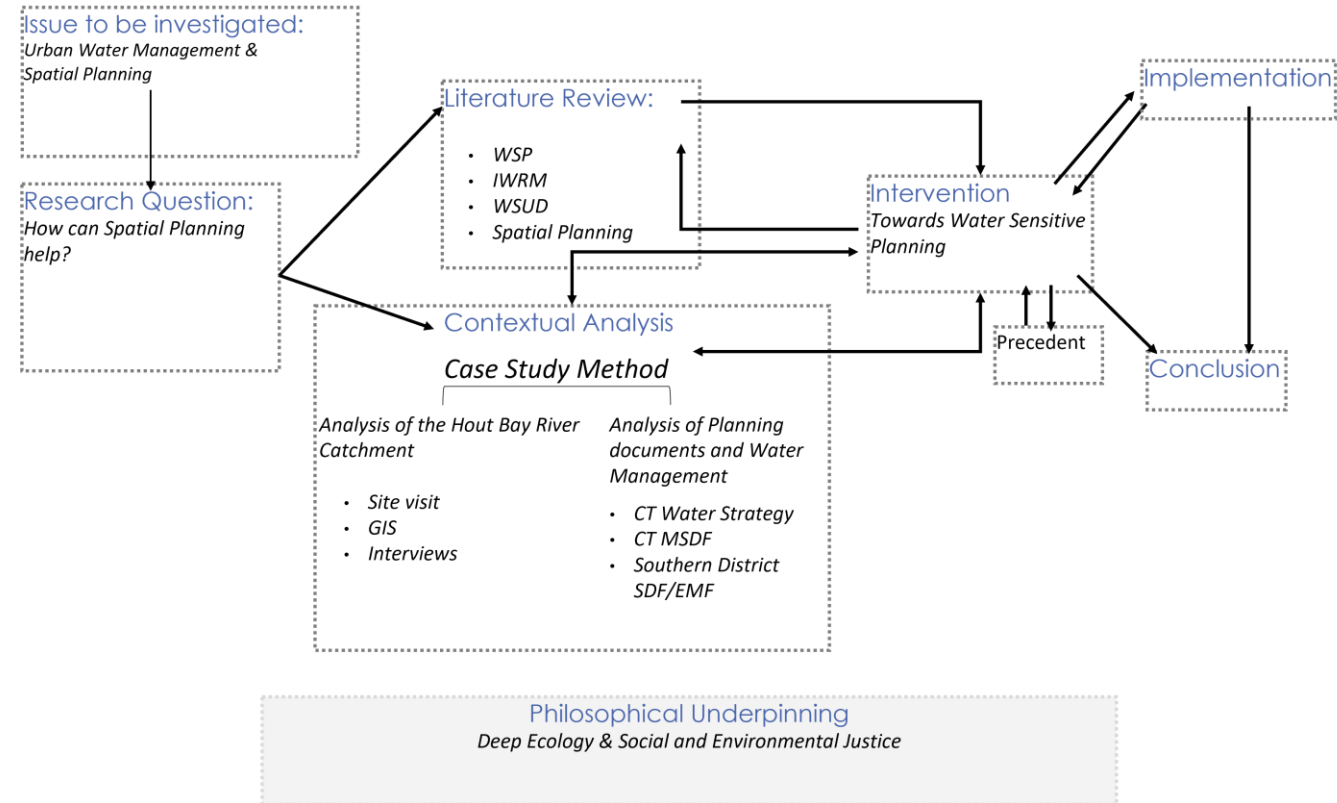
Mari Smith

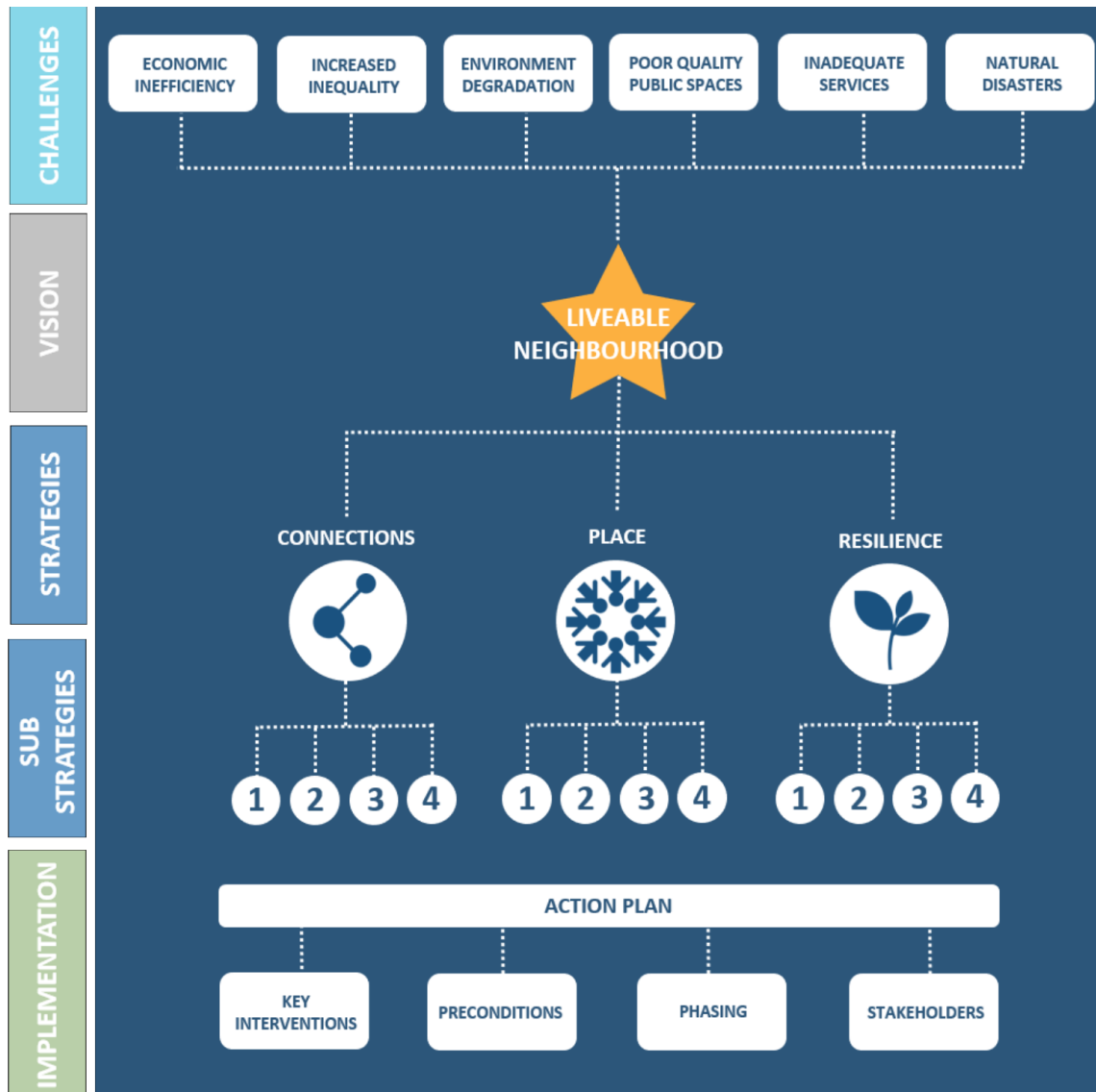
DRAFT DESIGN METHOD, PROCESS AND APPROACH



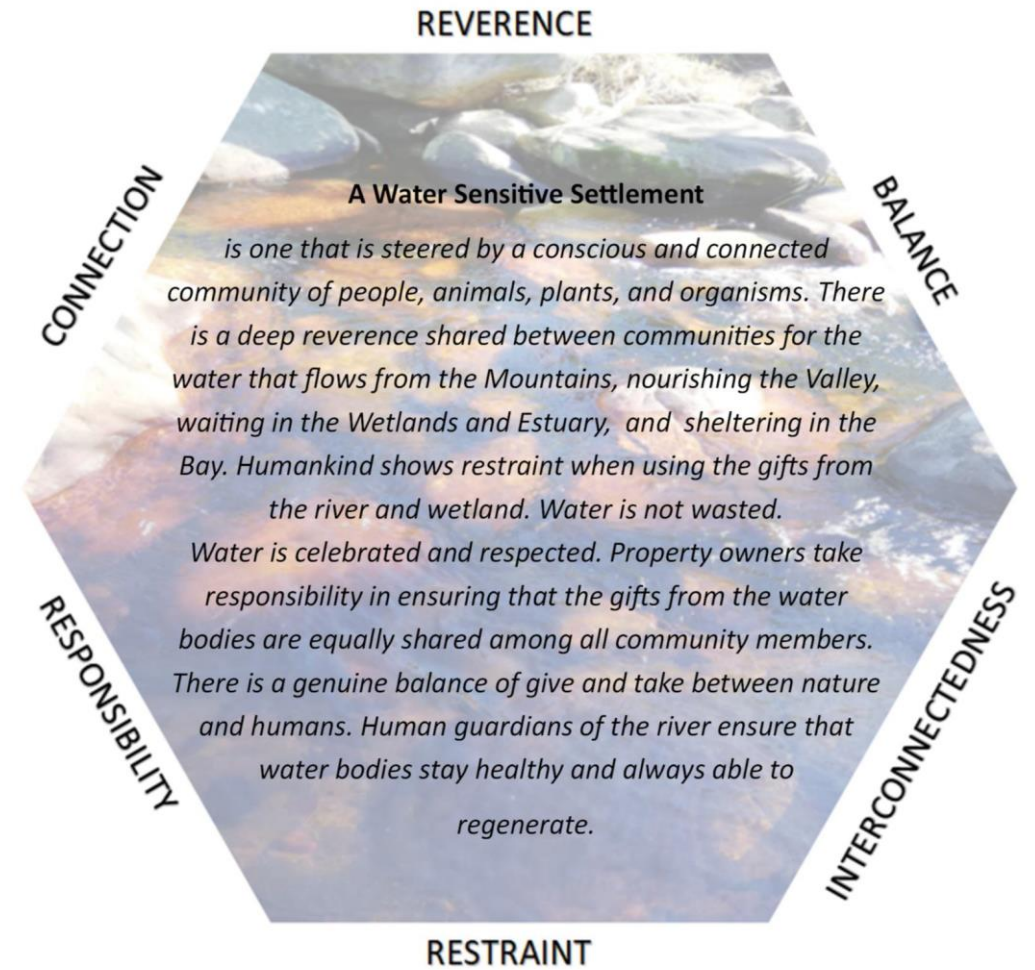
Urban Planning

Donna Shefer





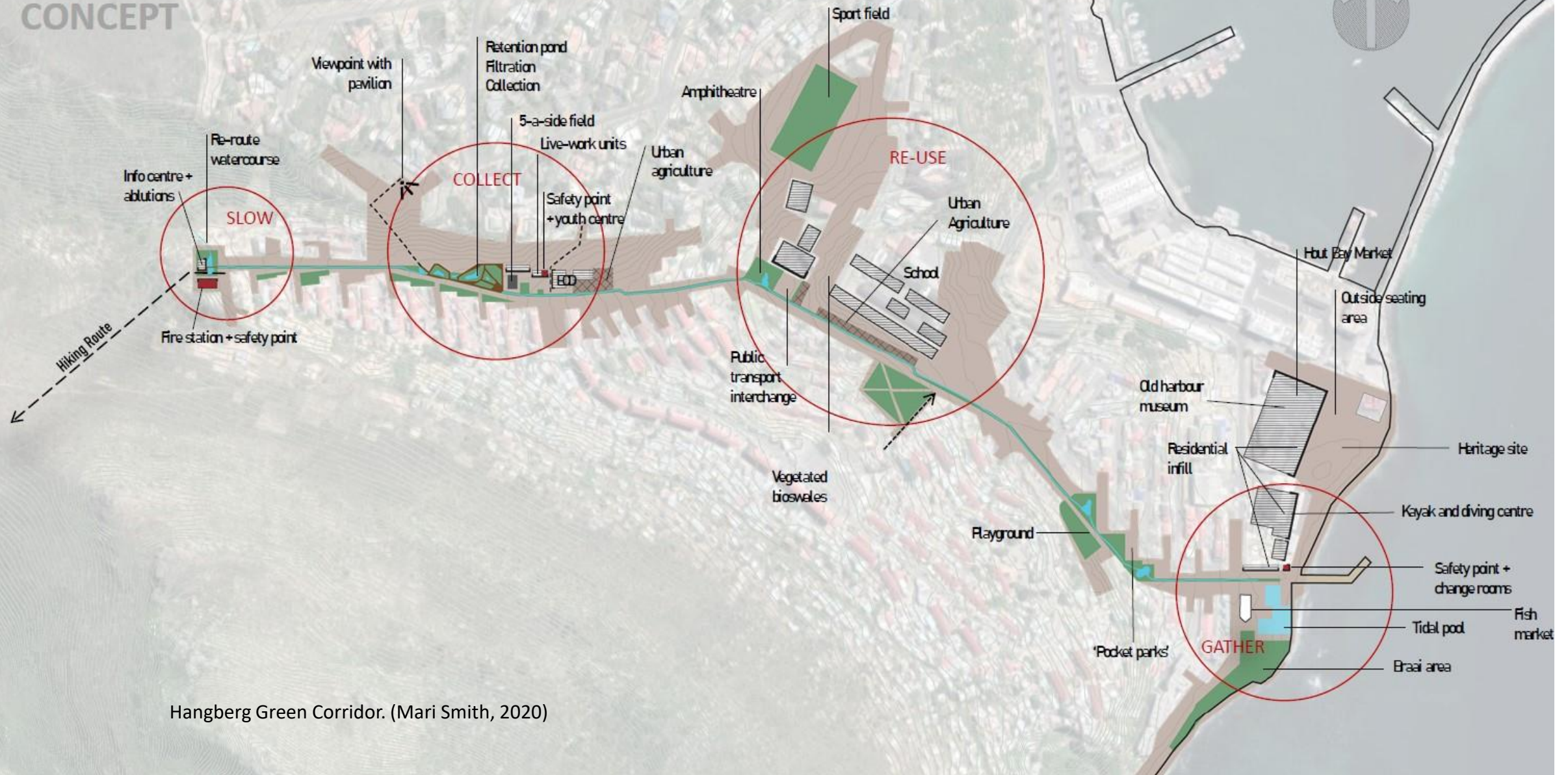
Strategy of implementation. (Mari Smith, 2020)



The principles that steer Hout bay towards a water sensitive settlement. (Donna Shefer, 2020)

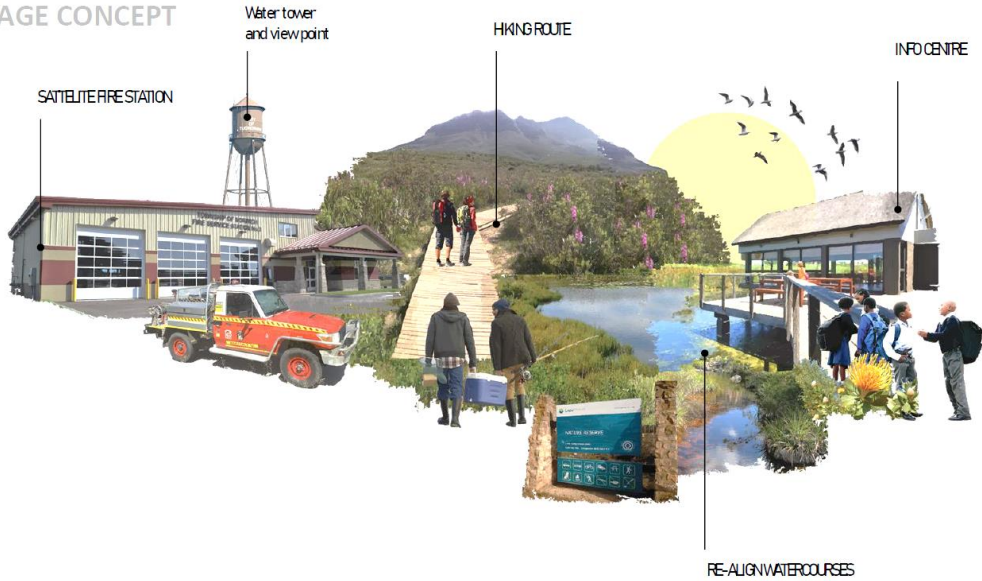
GREEN CORRIDOR

CONCEPT



Hangberg Green Corridor. (Mari Smith, 2020)

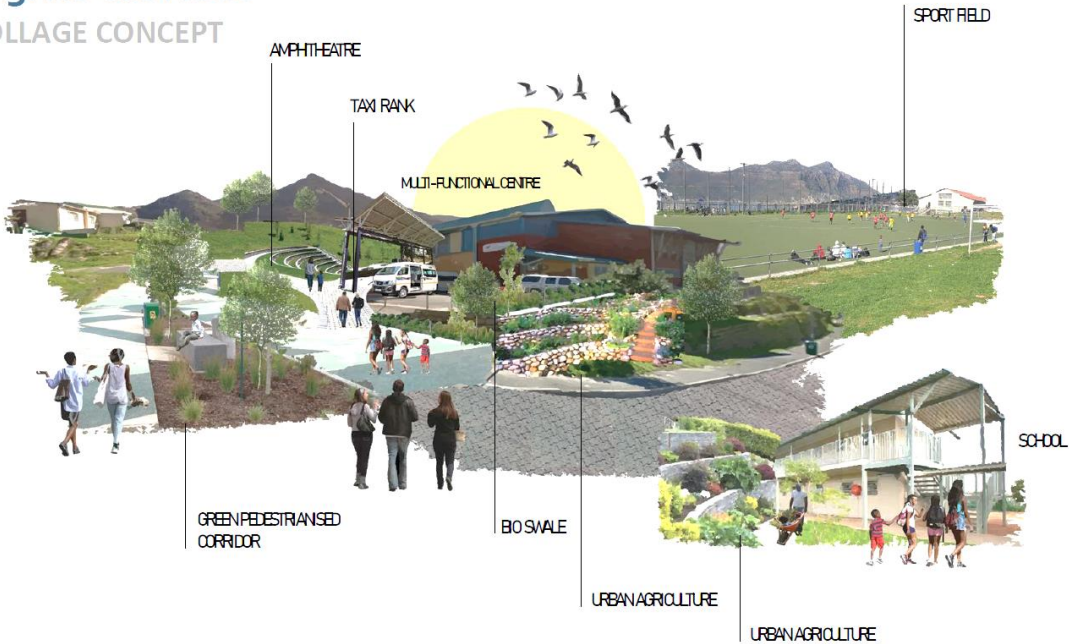
FA1: Slow Node
COLLAGE CONCEPT



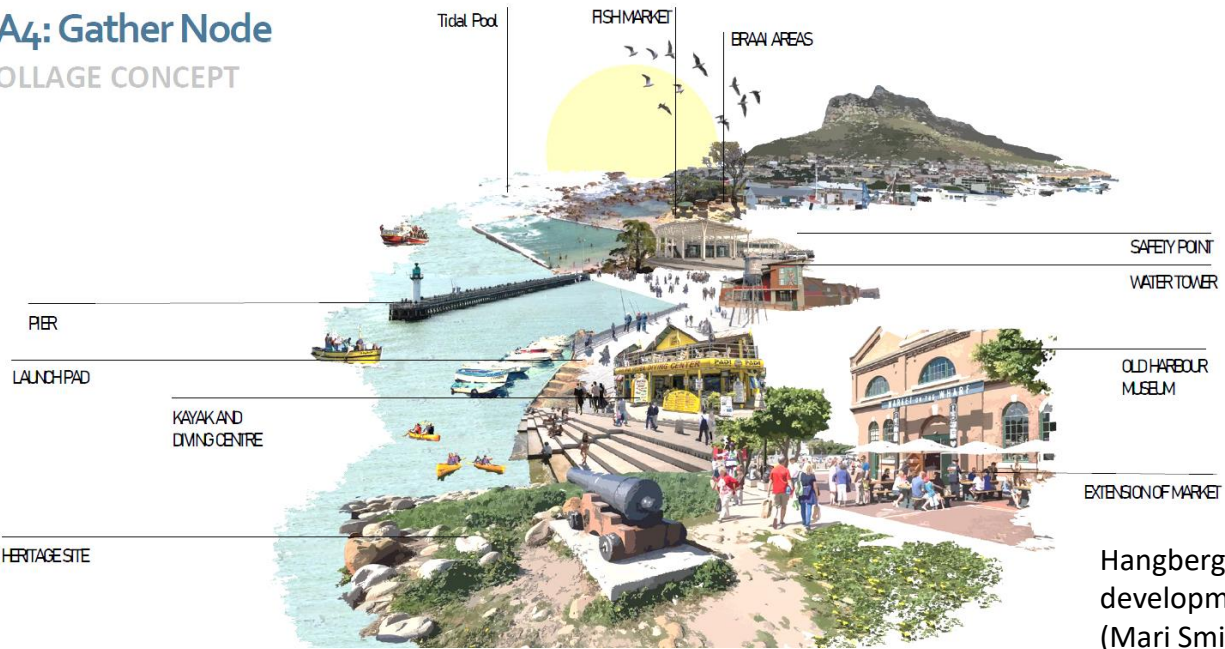
FA2: Collect Node
COLLAGE CONCEPT



FA3: Re-use Node
COLLAGE CONCEPT



FA4: Gather Node
COLLAGE CONCEPT



Hangberg Node development.
(Mari Smith, 2020)

Liveable Neighbourhoods: Water Sensitive Design Decision Support Platform

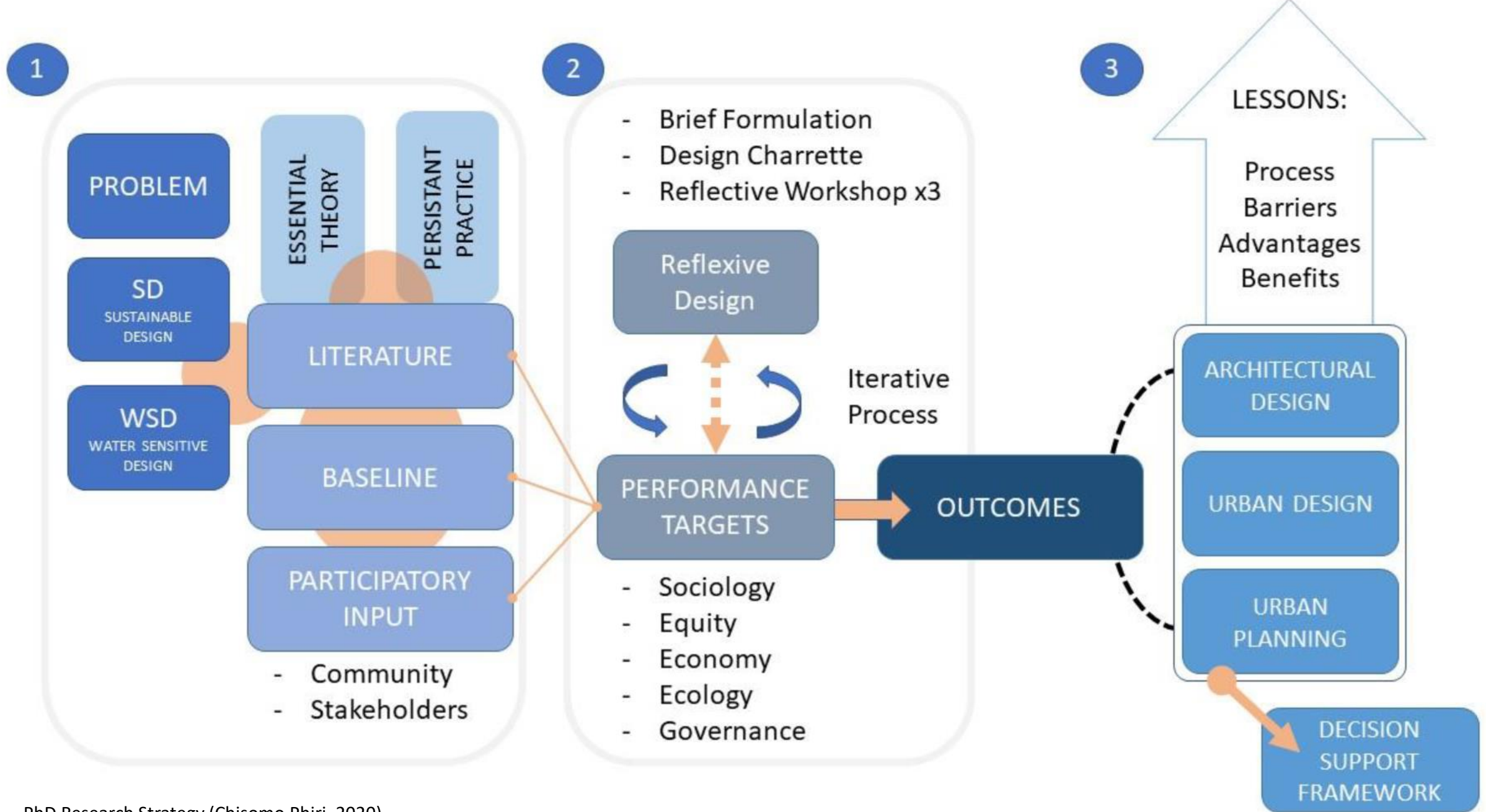


Decision support platform: targeted data packages for different user & stakeholder groups

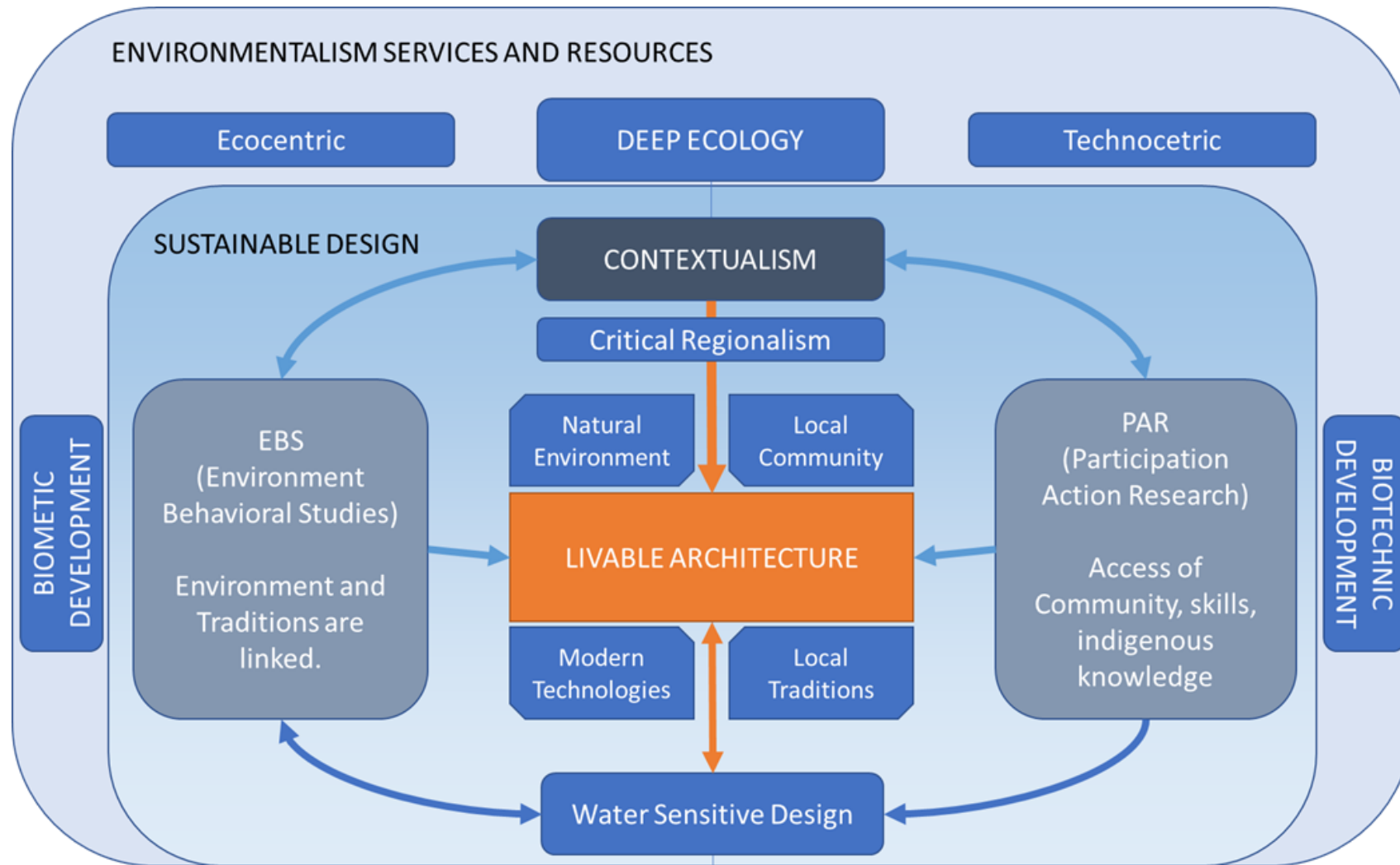
Data Analysis: understand nature and structure of data

Raw Data: Existing and new information, data-sets, tools, products, processes etc

Information Systems
Lina Lukusa



Review of Theory including Contextualism, Critical regionalism and the adaptation of Sustainable design and Water Sensitive Design.



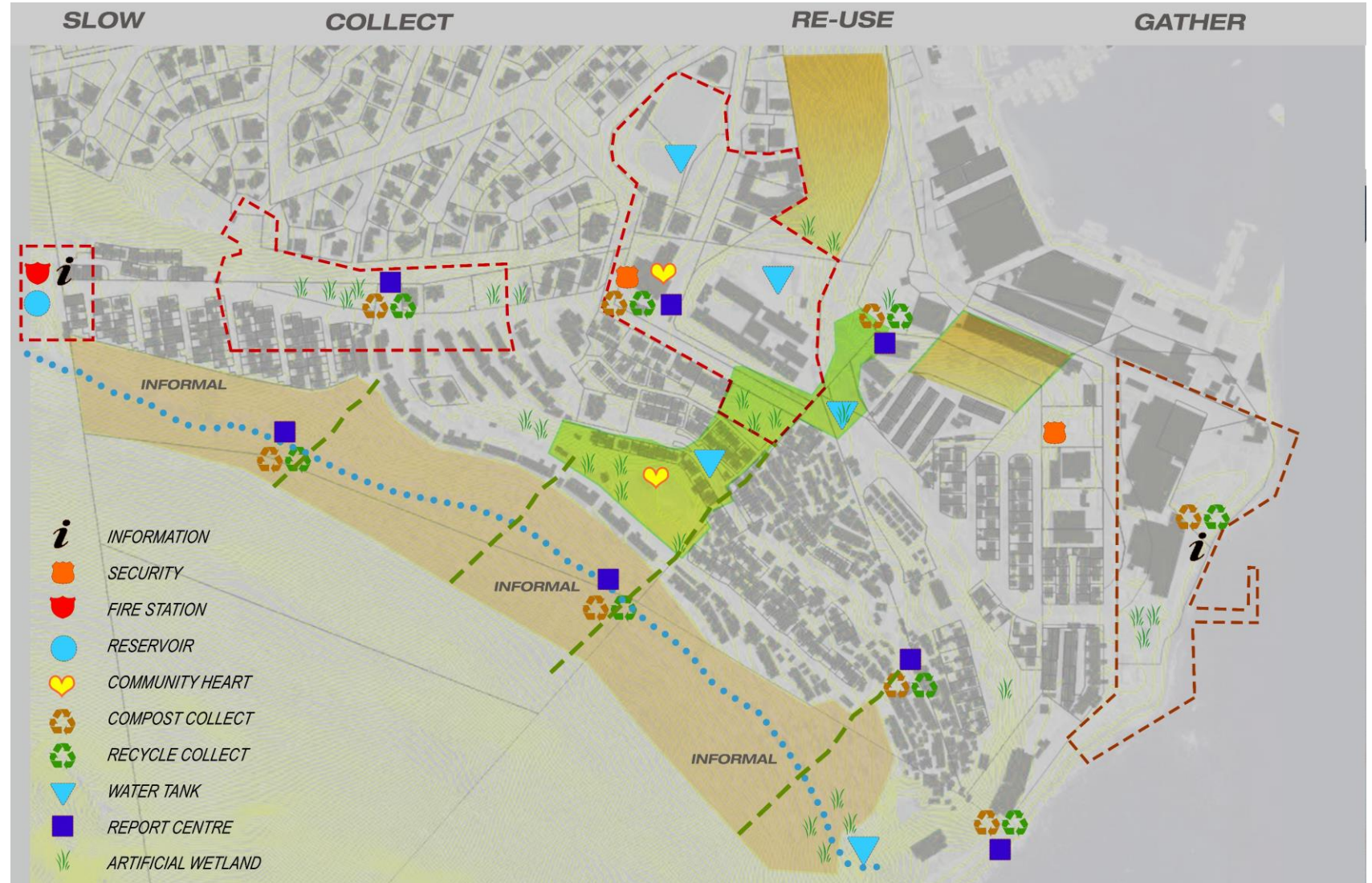
Architectural theoretical framework, (Chisomo Phiri, 2021)

Fieldwork

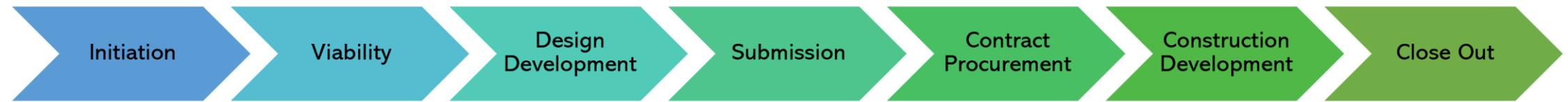
Community engagement



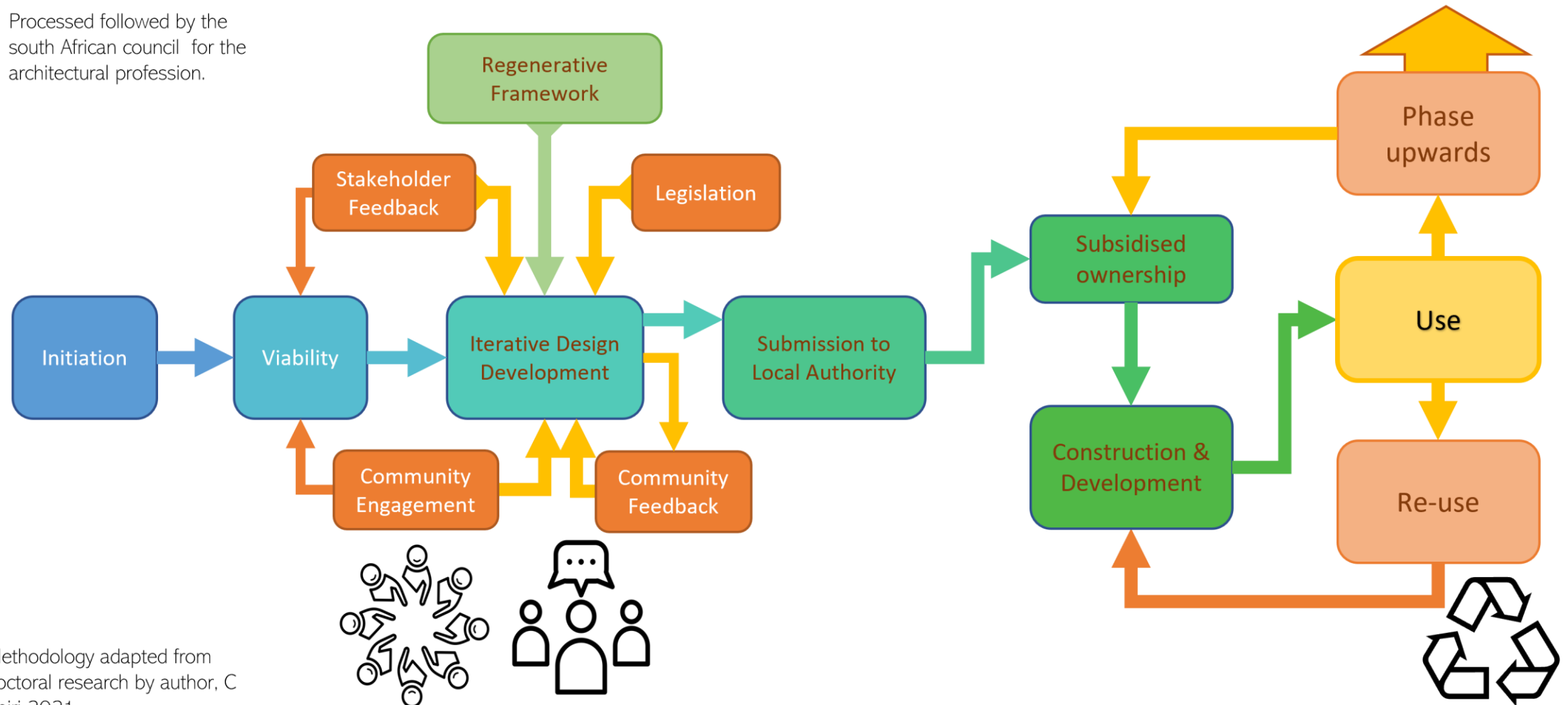
PAR Mapping



Participatory action Mapping, (Chisomo Phiri, 2021)



Processed followed by the south African council for the architectural profession.



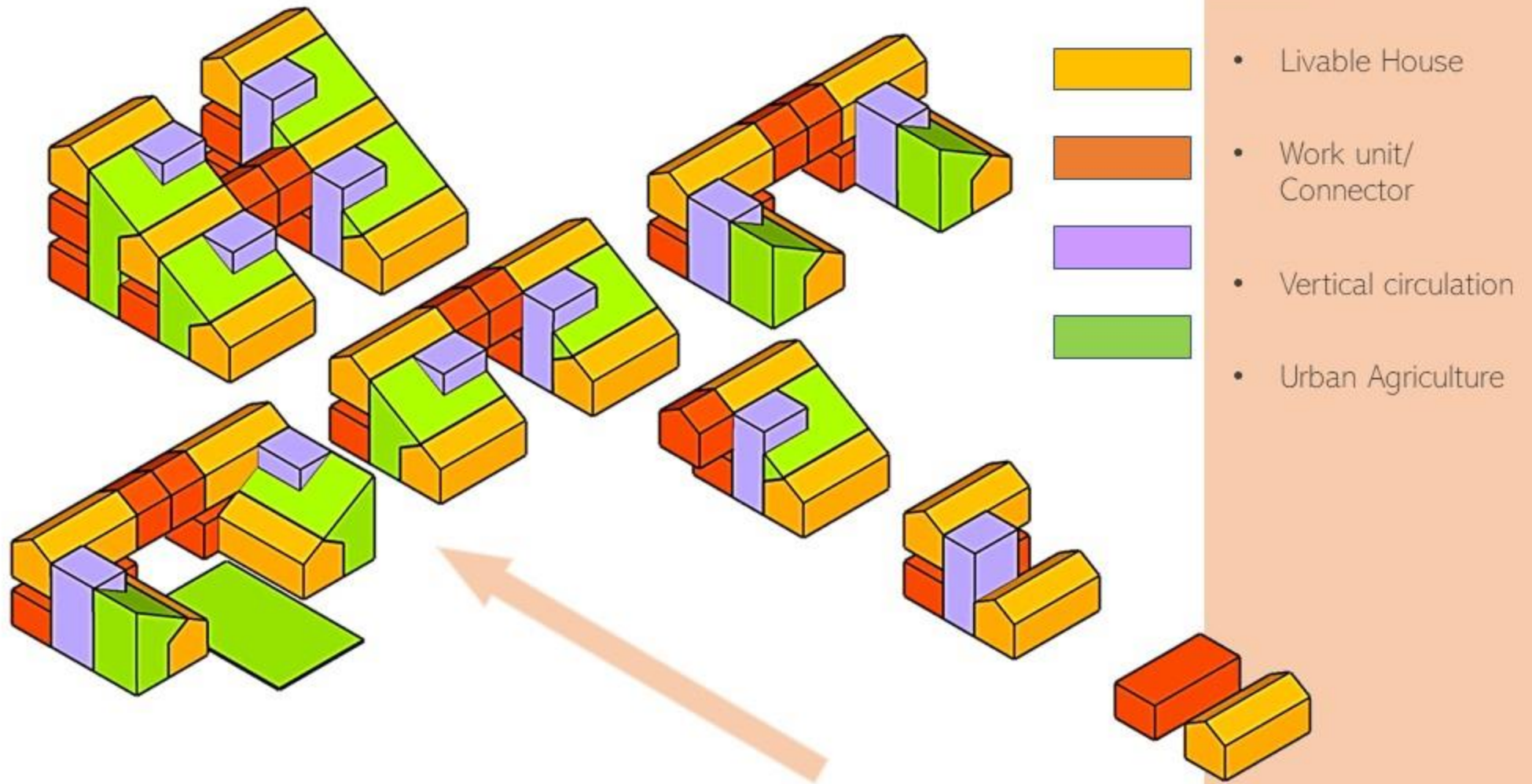
Methodology adapted from doctoral research by author, C Phiri 2021

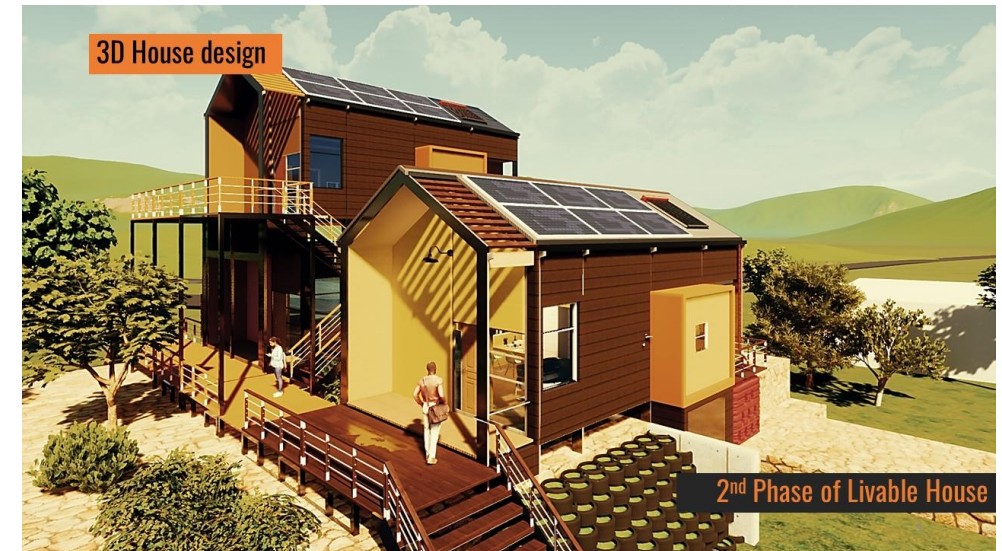
Phase development

The Livable house design will then follow a series of upgrades that incorporate the Livable house unit(s), the work unit(s), vertical circulation cores and localised urban agriculture.

Installations will need to be north facing with space marked out for upwards development. The upgrade phases are inspired by the backyarder culture, hinting at a general desire for this type of use model.

As the home owner develops, so too their ability to provide housing as a land owner.







Thanks for your attention