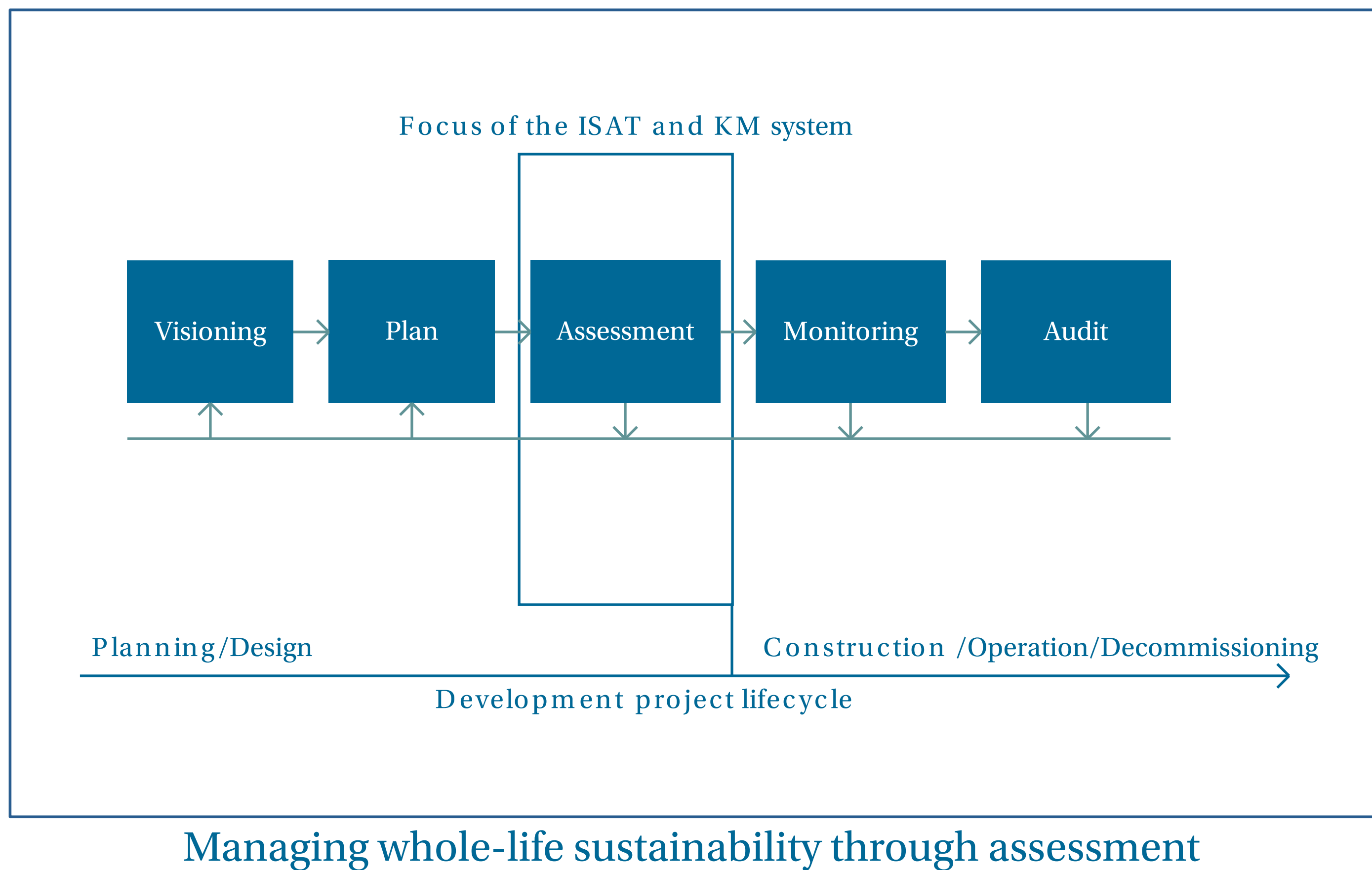




# Knowledge in a Sustainability Assessment Context

## The rôle of knowledge in assessment

Urban sustainability assessment is increasingly being seen not just as a technical process to determine the likely sustainability performance of build projects but as a valuable tool in the mediation between many associated stakeholders with their differing visions, numerous requirements and variations in their expertise, and as a valuable process for promoting social learning. This emerging role presents new and considerable challenges for the management of knowledge -during its generation, flow and capture-to ensure the meaningful engagement of such stakeholders in the assessment process.



## Research aims

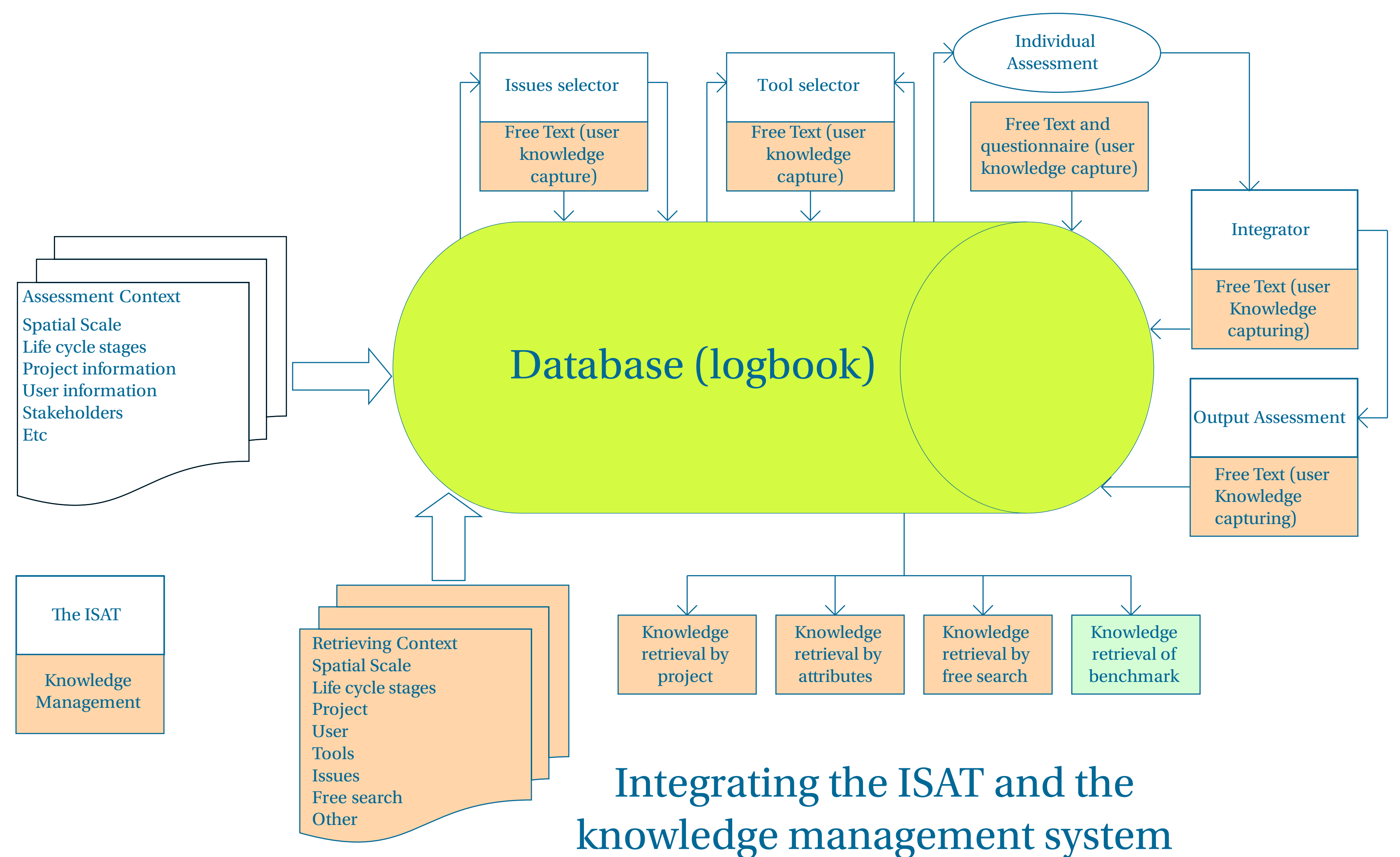
The SUE-MOT consortium is developing a comprehensive and transparent Integrated Sustainability Assessment Toolkit (ISAT). For a given context the ISAT will suggest appropriate assessment tools and bring together their outputs to give an integrated, holistic sustainability assessment reflective of stakeholder values.

The research aims to develop a knowledge management system which will be integrated with the ISAT ensuring compatibility with this emerging role for knowledge in assessment. The system is based on two strategies for managing knowledge:

- ➔ Codification strategy: provision of mechanisms for the capture, storage and retrieval of knowledge for use during a current or future assessment.
- ➔ Personalisation strategy: facilitation of knowledge flow between stakeholders through provision of participation mechanisms throughout the phases of ISAT.

## Research Tasks

- ➔ Understanding the requirements for the knowledge management system
- ➔ Mapping knowledge dynamics around assessment: generation, flow and capture
- ➔ Understand how the system can provide knowledge personalisation and codification strategies
- ➔ Develop the system specification
- ➔ Develop the system in a web-based format



For more information on this and the other work-packages of the SUE-MoT consortium please visit our web-site. SUE-MOT (Sustainable Urban Environment - Metrics, Models and Toolkits) is a UK EPSRC funded consortium of academics, industrial and community focused partners.