

MUNICIPAL INNOVATION MATURITY INDEX

Enabling Future Smart Cities

MIMI Instrument – Key Lessons

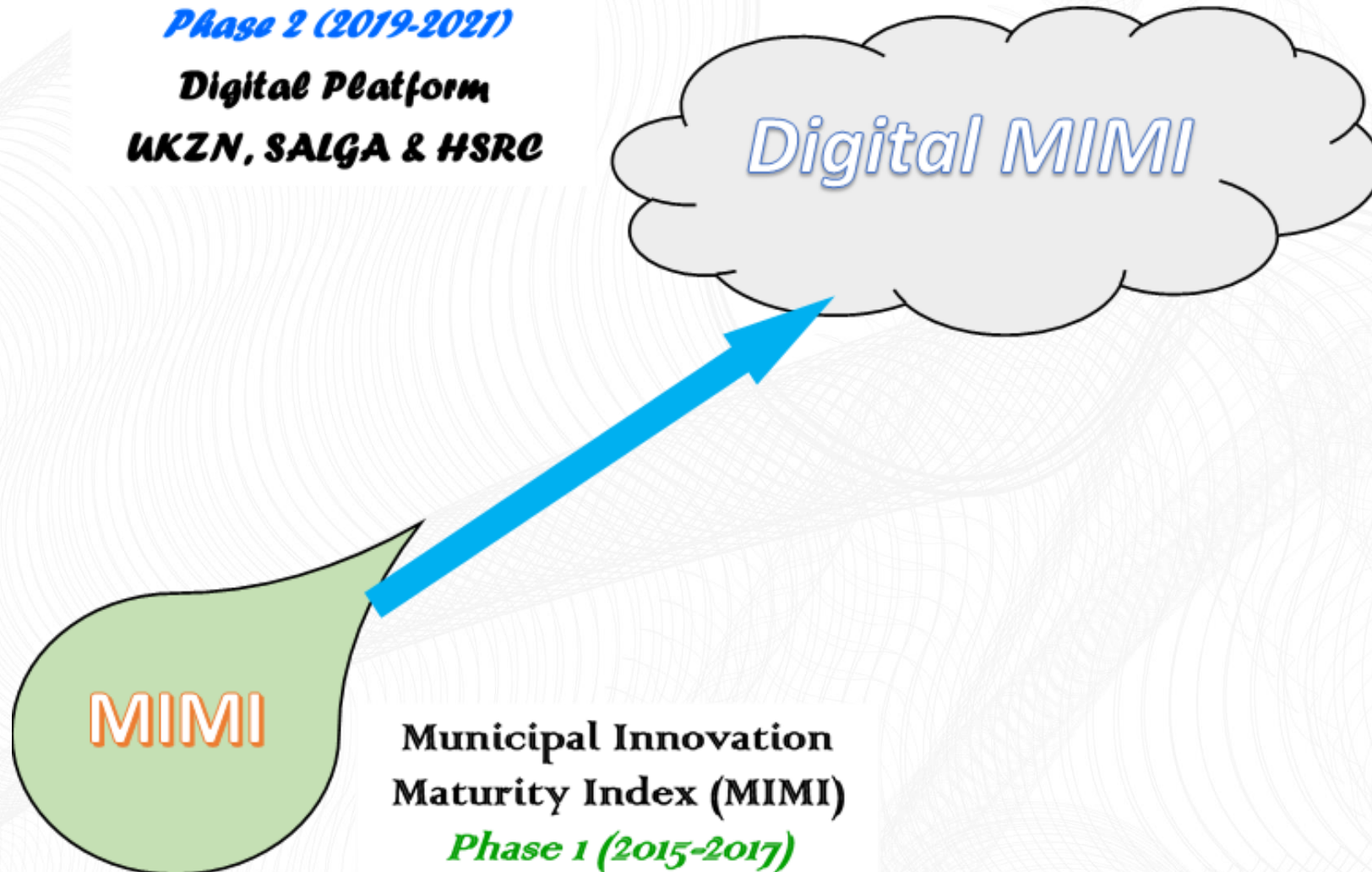
*Peter Jacobs, PhD
HSRC, IED
21 July 2021*

PRESENTATION OUTLINE

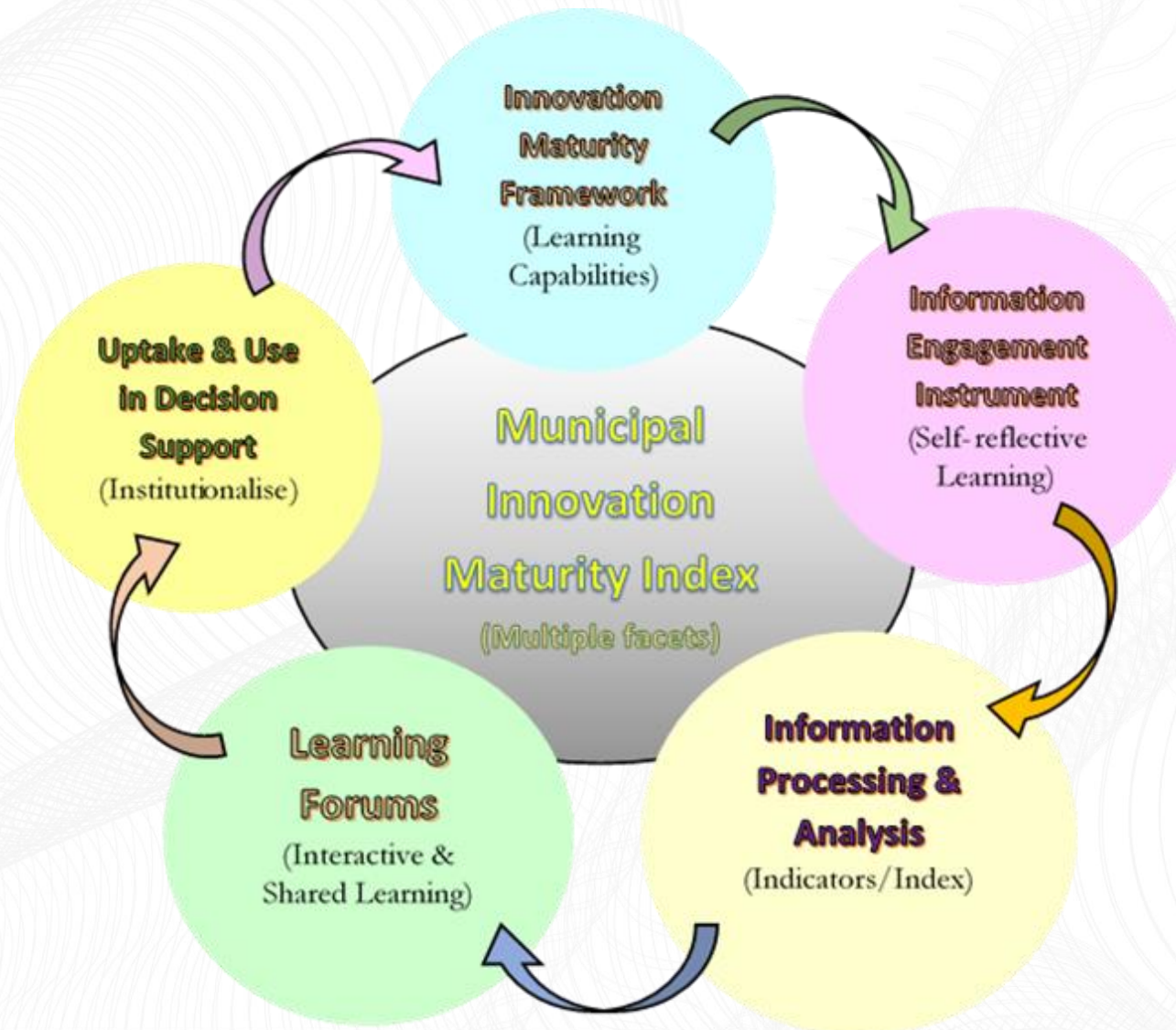


- History of MIMI – Construction Timeline
- How the Facets Interact?
- MIMI In Action – Instrument Use
- Innovation Maturity –learning capabilities
- The Future

HISTORY OF MIMI – PHASE 1, 2, ...



PLATFORM WITH INTERACTING FACETS



MIMI IN ACTION – REFLECTIVE LEARNING, UPTAKE... POLICY CHANGE

**Innovation
Maturity
Level
(Index
Score)**

**Innovation
Maturity Level:**
Access & Use
Innovation ... to
Creative Sharing

Constructs (Itemised)

**Dimension I: Organisational
innovation capability**

**Dimension II: Individual
innovation capability**

**Substantive
STI Actions**

IPRDP INNOVATION MATURITY – BASICS



| Maturity level 1 <i>Limited, if any</i> | Maturity level 2 <i>Define & apply</i> | Maturity level 3 <i>Manage & entrench</i> | Maturity level 4 <i>Share learning externally</i> |
|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Limited, if any, awareness or evidence of innovation on the part of individual officials or the organisation.</p> | <p>Innovation is defined, applied and repeatable. Officials understand innovation principles, but innovation activities occur irregularly.</p> | <p>Innovation is managed and innovation principles are entrenched in the organisation. Officials seek to optimise and evaluate solutions, and improve on these for internal benefit.</p> | <p>Innovation is open and outward looking. New knowledge is applied creatively, based on evidence, in different contexts and shared with others outside of the organisation.</p> |

FINETUNE MATURITY LEVELS – ‘LEARNING’

| Level 1 | Level 2 | Level 3 | Level 4 | Level 5 | Level 6 |
|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Limited, if any | Defined | Applied | Managed | Entrenched | Shared learning |
| Limited, if any, awareness or evidence of innovation on the part of individual officials or the organisation. | Innovation is defined. Officials understand innovation principles and innovation strategies are in place, but there is little, if any, evidence of innovation implementation. | Innovation is applied. There is evidence of implementation in certain departments of the municipality. Innovation is repeatable, but irregular. | Innovation is managed. Innovation occurs on an on-going basis and processes in relation to this are managed well in the municipality. | Innovation principles and practices are entrenched throughout the municipality. Innovation. Officials seek to optimise and evaluate solutions, and improve on these continuously for internal benefit. | Innovation is open and outward looking. New knowledge is applied creatively, based on evidence, in different contexts and shared with others outside of the organisation. |

LESSONS FOR EVOLUTION OF MIMI – FUTURE...



- Learning capabilities – critical anchor for innovation in developmental states ... different spheres
- Learning Forum – vital for reflective self-learning, uptake and use
- Underlying instrument valid (item testing), but:
 - ❑ *Sample size problem & unit of observation*
 - ❑ *Average scores to weighted indexing (PCA/FA)*
 - ❑ *Control for institutional governance issues*

Academy of Science of South Africa (ASSAf)

ASSAf Research Repository

<http://research.assaf.org.za/>

B. Academy of Science of South Africa (ASSAf) Events

F. Innovation for Inclusive Development (IID) Seminar Series (incl. Proceedings)

2021

The Launch of the National Rollout of the Municipal Innovation Maturity Index (MIMI) (A tool to measure innovation in municipalities)

Academy of Science of South Africa (ASSAf)

Academy of Science of South Africa (ASSAf) & Department of Science and Innovation (DSI)

Academy of Science of South Africa (ASSAf) and Department of Science and Innovation (DSI) (2021) The Launch of the National Rollout of the Municipal Innovation Maturity Index (MIMI) (A tool to measure innovation in municipalities). Available at: <https://doi.org/10.17159/assaf.2021/0076>
<http://hdl.handle.net/20.500.11911/220>

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