

CPD Points: 2 ECSA CREDITS



Consulting Engineers South Africa

INFRASTRUCTURE
Indaba
2026

18 - 19
March 2026
Durban ICC

cidb Building Information Modelling (BIM)

Implementation
Roadmap

Theme: Pioneering Change Engineering Infrastructure for Inclusive Growth

Overview

- Legislative Mandate
- BIM Maturity in South Africa
- BIM Roadmap for BIM Adoption in SA
- Conclusions

cidb Legislative mandate (i)

- DEVELOPMENT

- Provide **strategic leadership** to construction industry stakeholders to stimulate sustainable growth, reform and **improvement** of the construction sector
- Promote **sustainable growth** of the construction industry and the participation of the **emerging sector** in the industry
- Determine, establish and promote **improved performance and best practice** of public and private sector clients, contractors and other participants in the construction delivery process

cidb Legislative mandate (ii)

- REGULATION

- Promote **uniform application of policy** throughout all spheres of government and **promote uniform and ethical standards**, construction procurement reform, and improved procurement and delivery management – including the Construction Code of Conduct
- Develop systematic methods for **monitoring and regulating the performance** of the industry and its stakeholders, including the **Registration of Projects and Contractors**

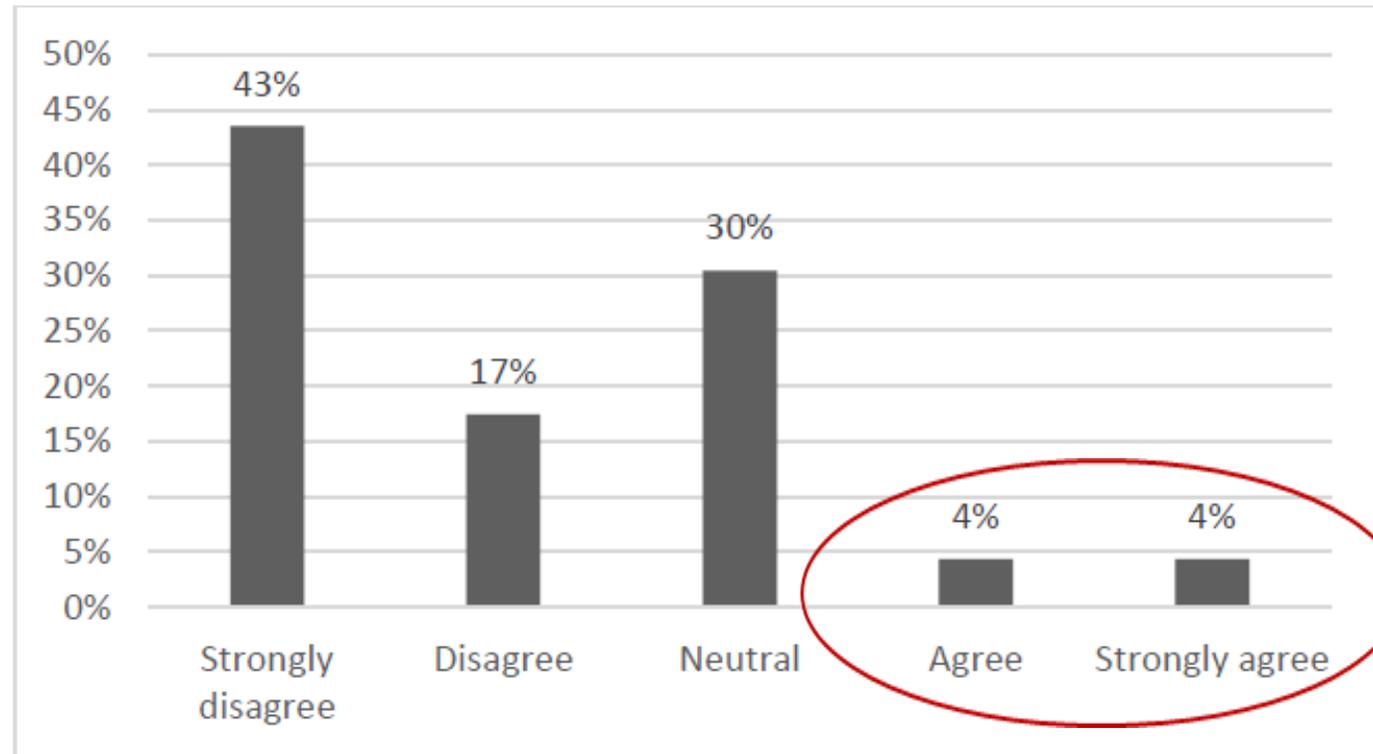
Diffusion dynamics in 21 countries

	Top Down	Middle-out	Bottom-up		Top Down	Middle-out	Bottom-up
Australia		•		New Zealand			•
Brazil		•		Portugal		•	
Canada		•		Qatar		•	
China		•		Russia		•	
Finland		•		South Korea		•	
Hong Kong	•			Spain			•
Ireland		•		Switzerland		•	
Italy		•		UAE	•		
Malaysia		•		UK	•		
Mexico		•		USA		•	
Netherlands		•					

Policy action types across 21 countries

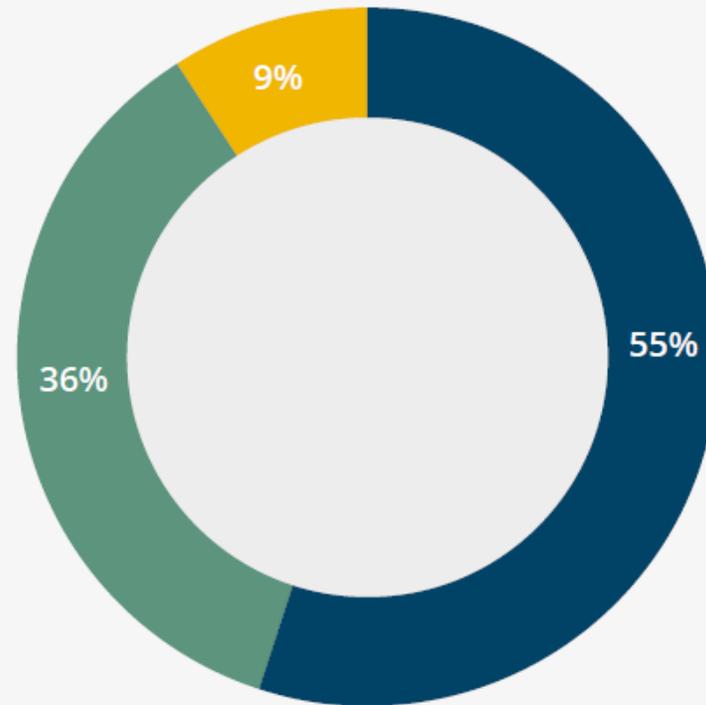
	Communicate			Engage			Monitor		
	A1 Make Aware	A2 Educate	A3 Prescribe	B1 Encourage	B2 Incentivise	B3 Enforce	C1 Observe	C2 Track	C3 Control
Australia	•			•			•		
Brazil	•			•			•		
Canada	•			•			•		
China		•		•			•		
Finland		•		•			•		
Hong Kong		•		•			•		
Ireland	•			•			•		
Italy	•			•			•		
Malaysia	•			•			•		
Mexico	•			•			•		
Netherlands		•			•		•		
New Zealand	•			•			•		
Portugal	•			•			•		
Qatar	•			•			•		
Russia	•			•			•		
South Korea		•		•			•		
Spain	•			•			•		
Switzerland	•			•			•		
UAE	•			•			•		
UK		•				•		•	
USA		•		•			•		
Action type Frequency	14	7	0	20	1	1	20	1	0

Government BIM use in public projects



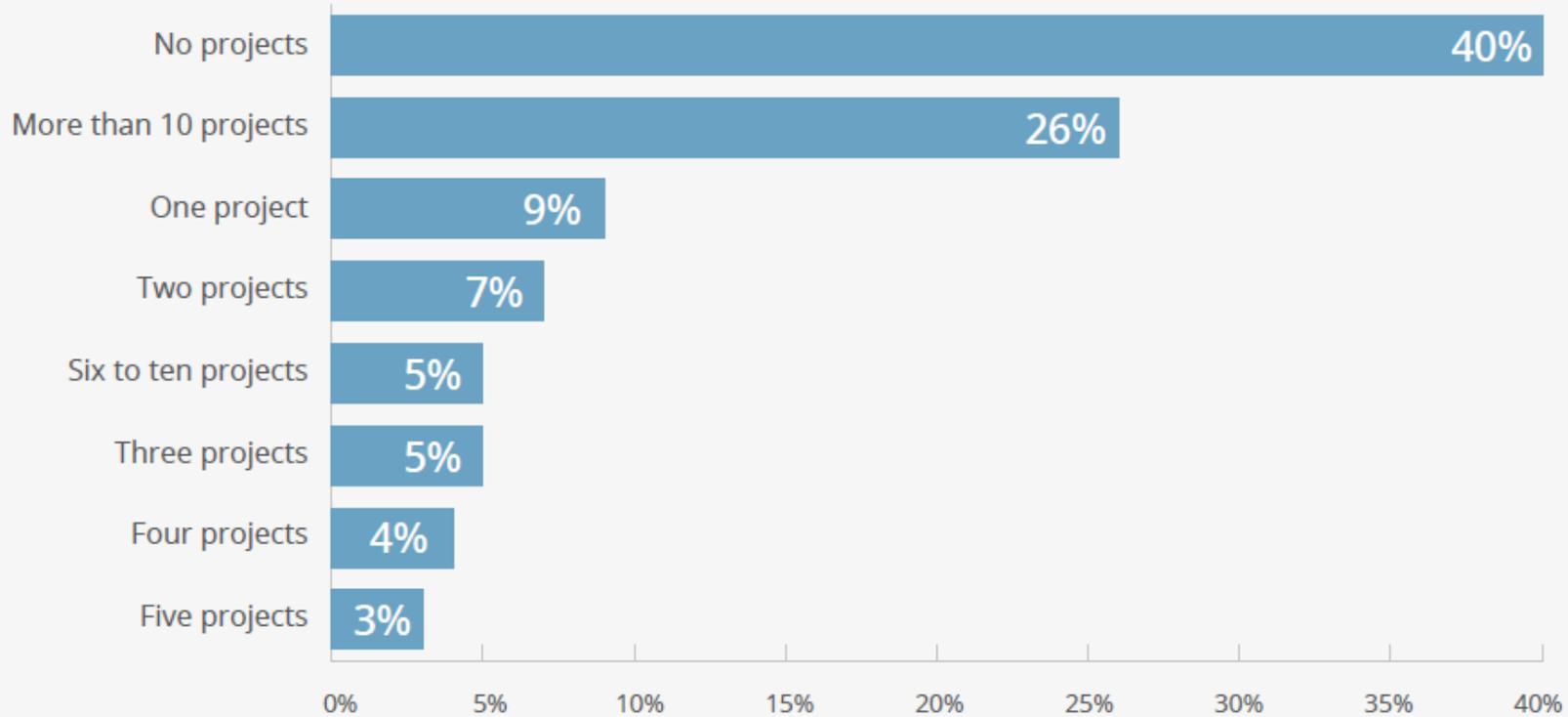
Source: CIDB, BIM Client survey, 2024.

BIM use experience - Professionals

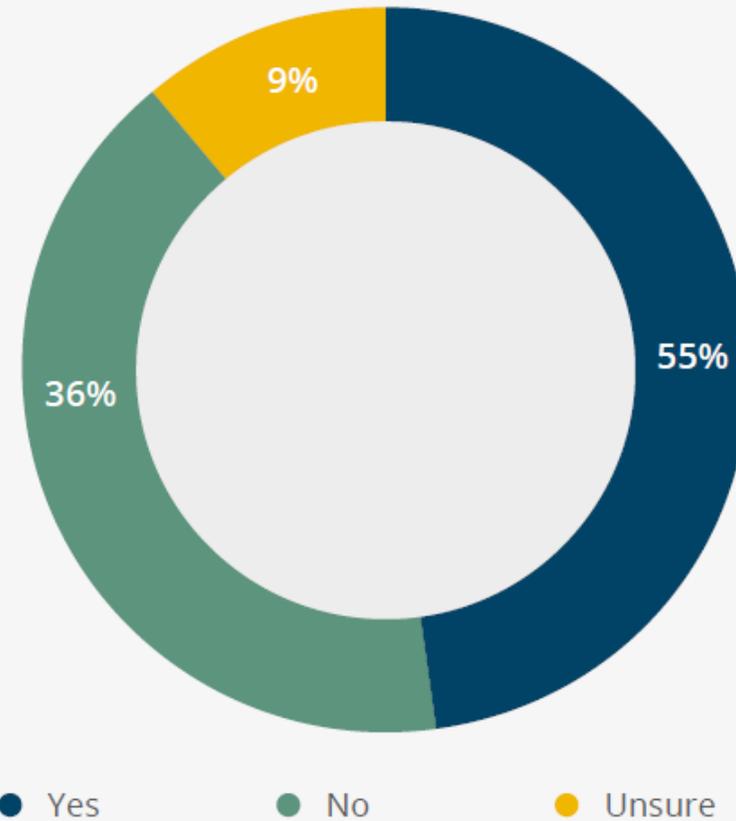


● Yes ● No ● Unsure

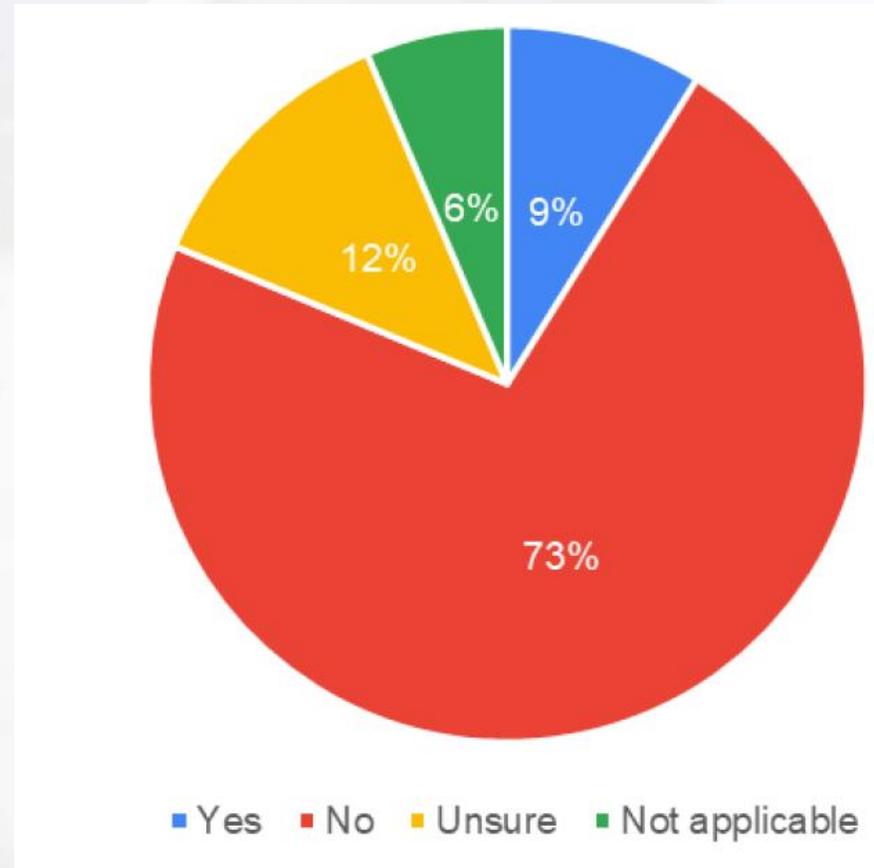
BIM use in projects - Professionals



BIM use in companies (PSPs)

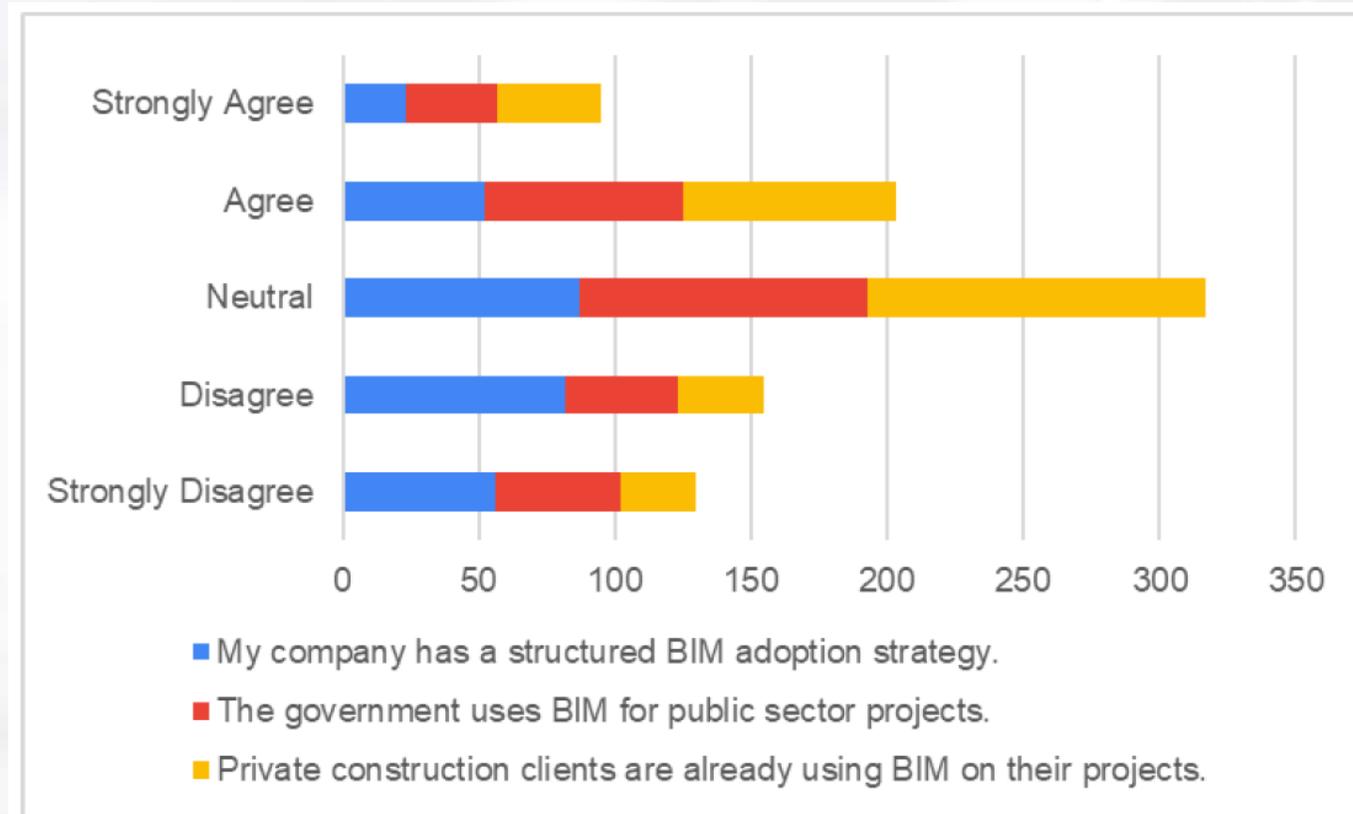


BIM use in projects - Contractors



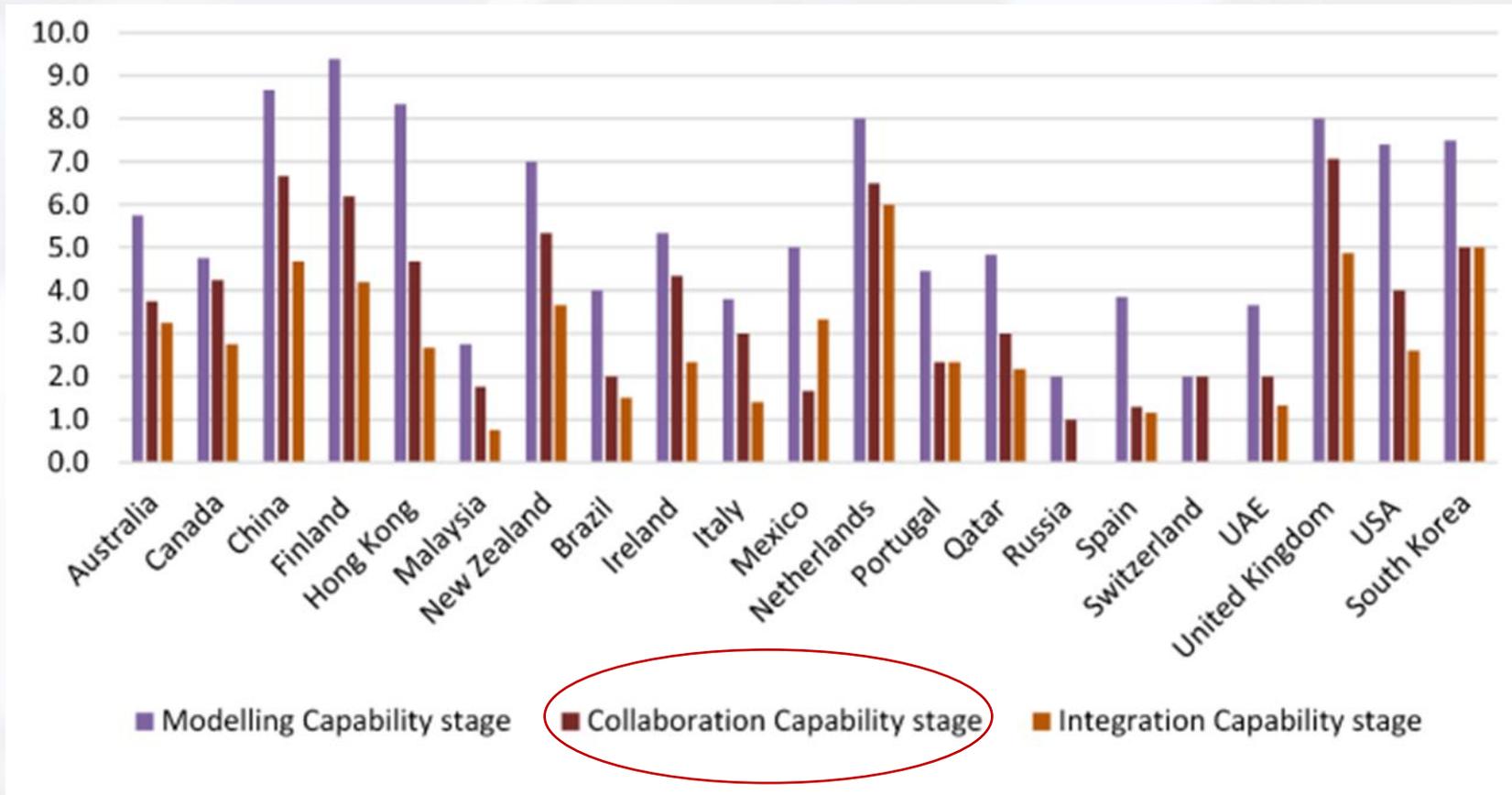
Source: CIDB, BIM Contractor survey, 2024.

BIM adoption and use - Contractors

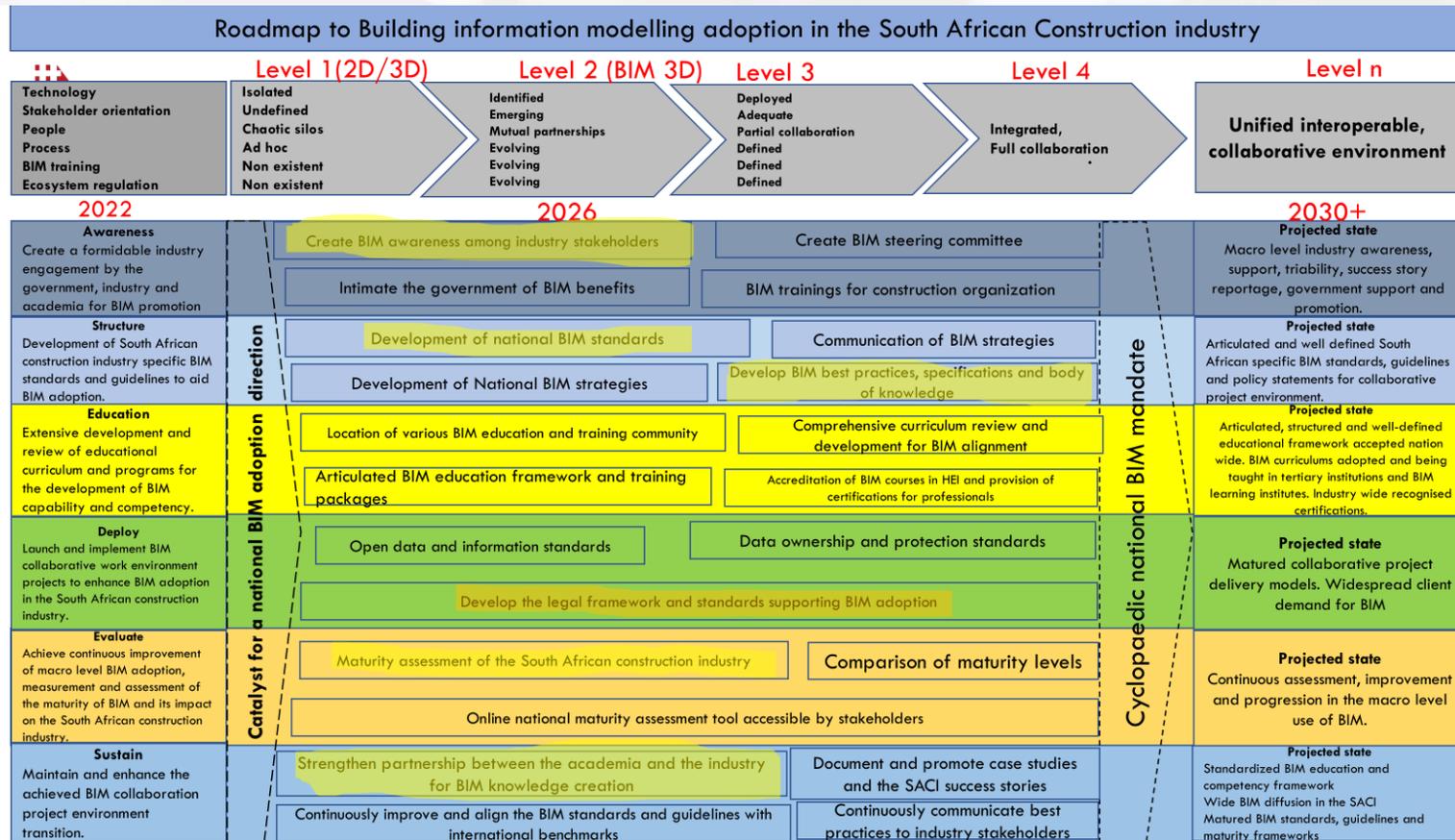


Source: CIDB, BIM Contractor survey, 2024.

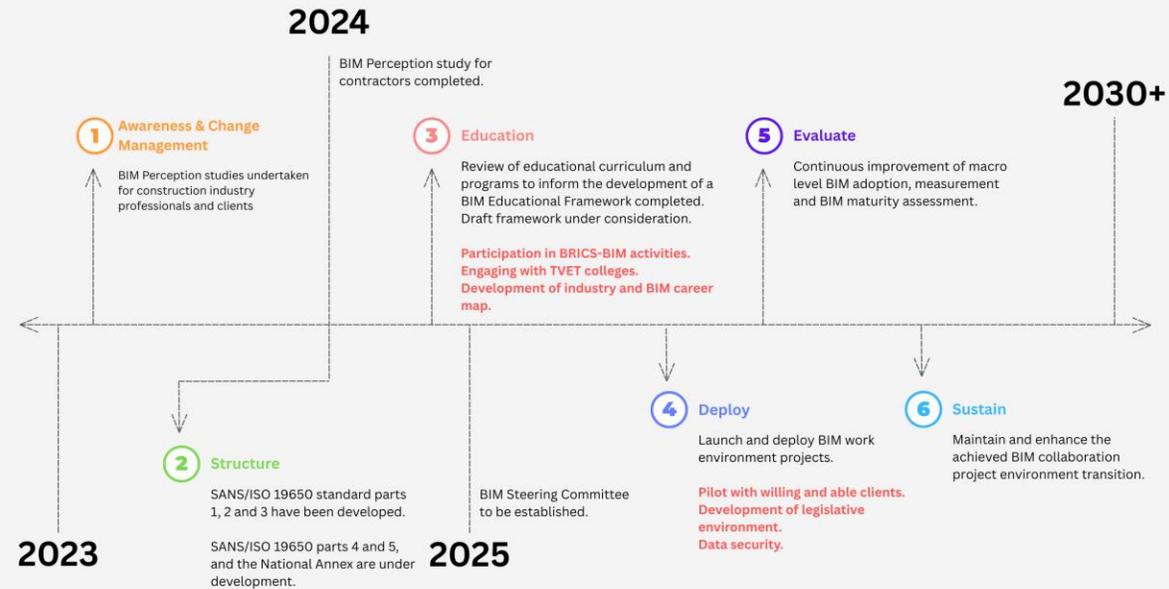
Capabilities stages across 21 countries



BIM Roadmap for BIM adoption



BIM Roadmap



Conclusion

- Major task to have BIM adoption for the industry
- Consider the stages of readiness when introducing a BIM level
- cidb has mechanisms to introduce BIM in the industry
- Introduction of BIM through a Best Practice or Mandatory Standard will determine policy action
- BIM diffusion in the industry is currently a middle-out, later addition of top-down approach?
- BIM diffusion needs drivers and champions

18 - 19
March 2026
Durban ICC



INFRASTRUCTURE
Indaba
2026

Thank you!

Sponsors



Exhibitors

