

Maturity Model of Smart Sustainable Brazilian Cities

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Planning an Evolution of Cities

- There are sustainable smart cities evaluative models intended to be comprehensive to cover cities from different contexts.
- The ITU Maturity Model is a good model, but it was developed to cities that had an infrastructure of ICT developed (ITU, 2019).
- Hence, we needed to expand the model and adapt to the Global South Countries.
- It was necessary to adequate the methodology of the model to the reality of Brazilian and Latin America cities, to guarantee the adherence of the set of indicators and the applied methodology.
- There are 2 more levels of maturity in our model, to include the cities without ICT infrastructure

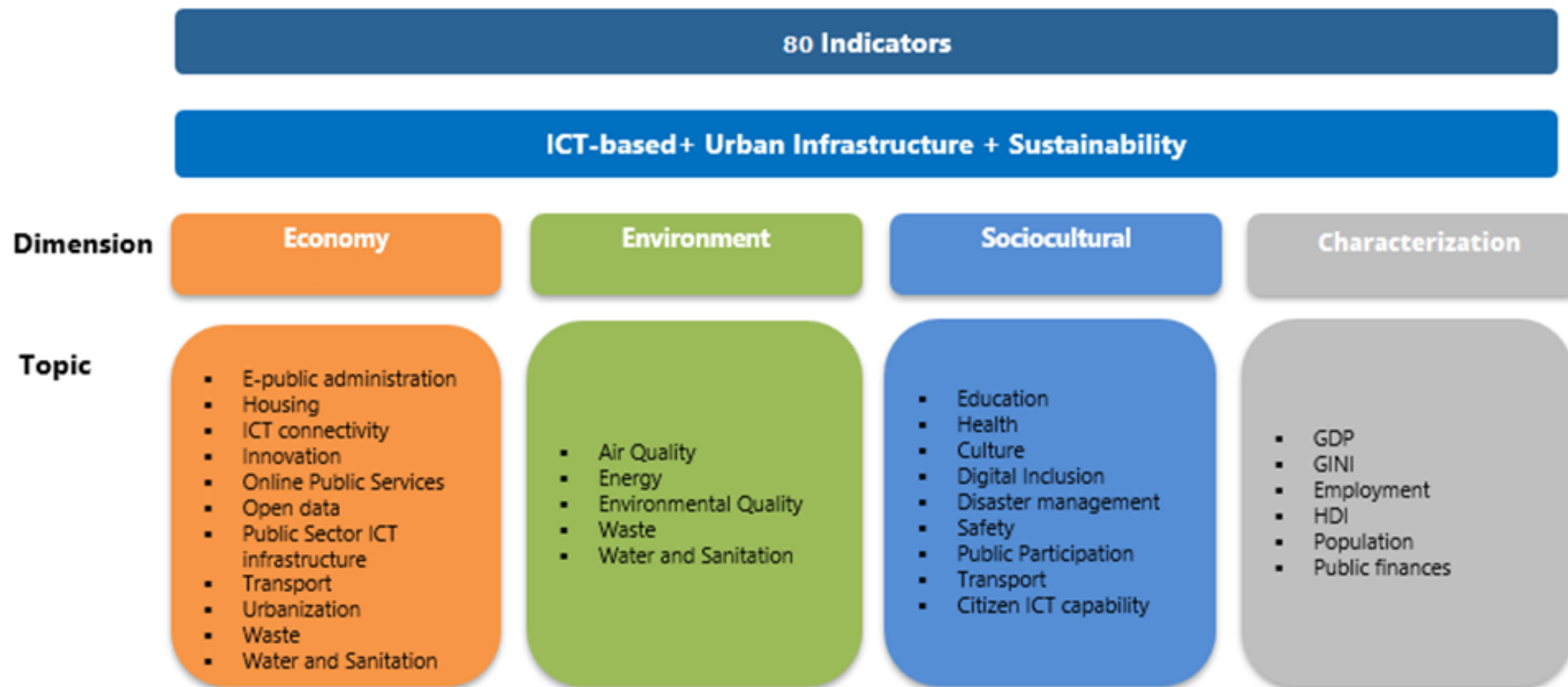
Maturity Model of Smart Sustainable Brazilian Cities

- The model is a maturity model with recommendations so that each city can develop and implement its own evaluation model, strategies, indicators and evolution targets.
- The recommendations are anchored in the dimensions of sustainable development: economic, environmental and sociocultural, the use of ICT as an enabling tool, and the axes of Institutional Capabilities of the cities for their development.
- The model has 7 Maturity Levels: 1) Accession 2) Commitment 3) Planning, 4) Alignment, 5) Development, 6) Integration and 7) Optimization.

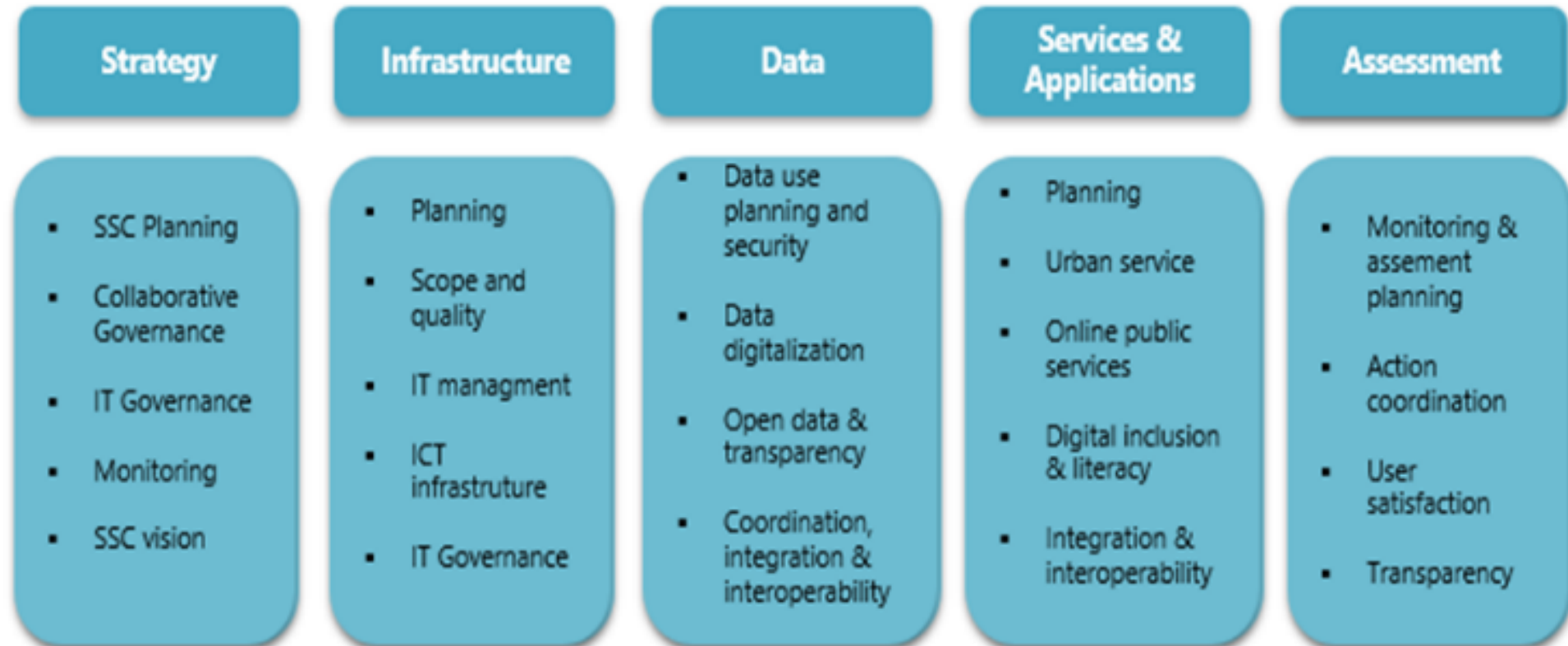
Levels of Maturity



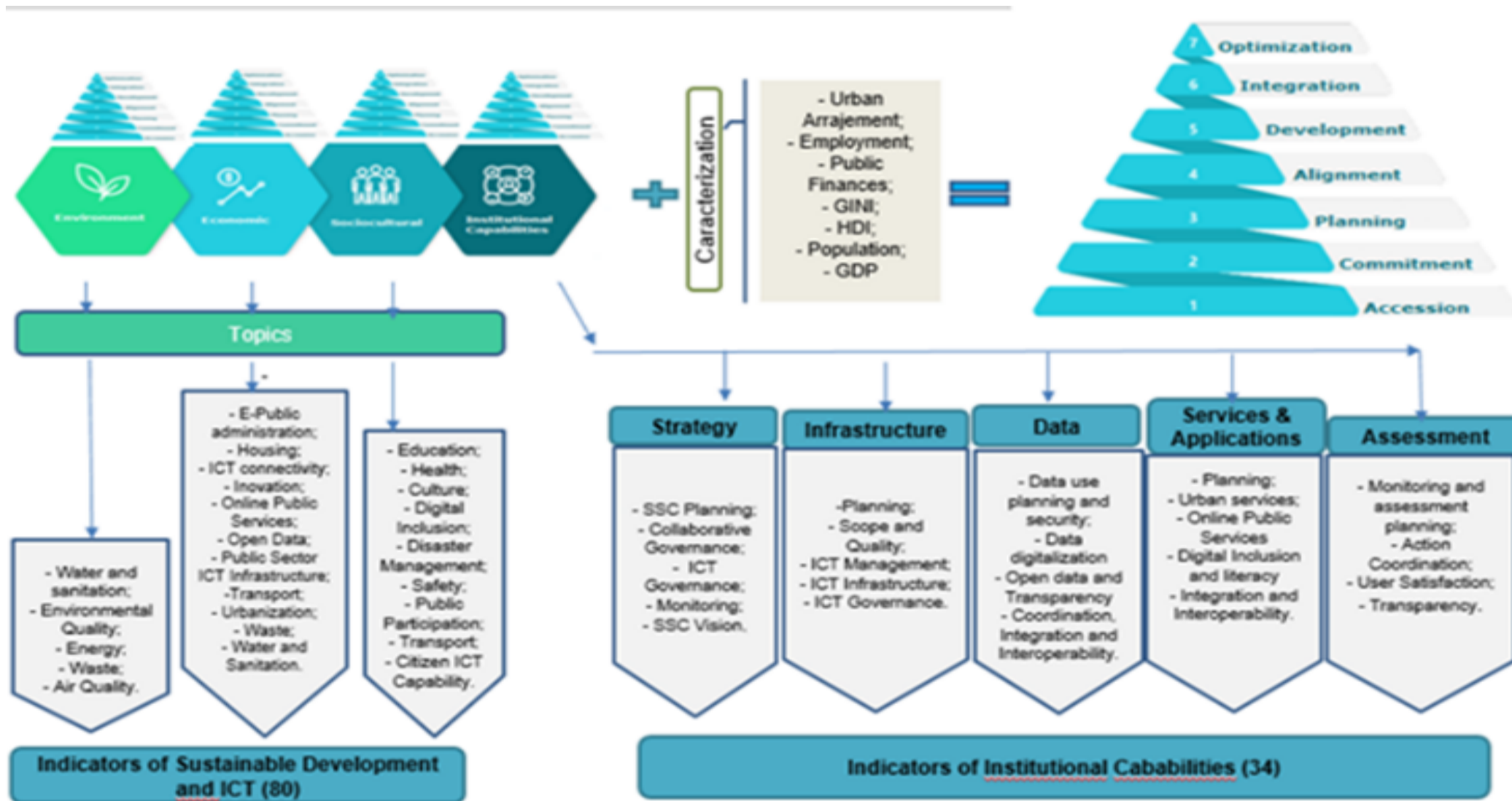
Sustainable Development and ICT



Institucional Capabilities



The Brazilian Complete Maturity Model



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