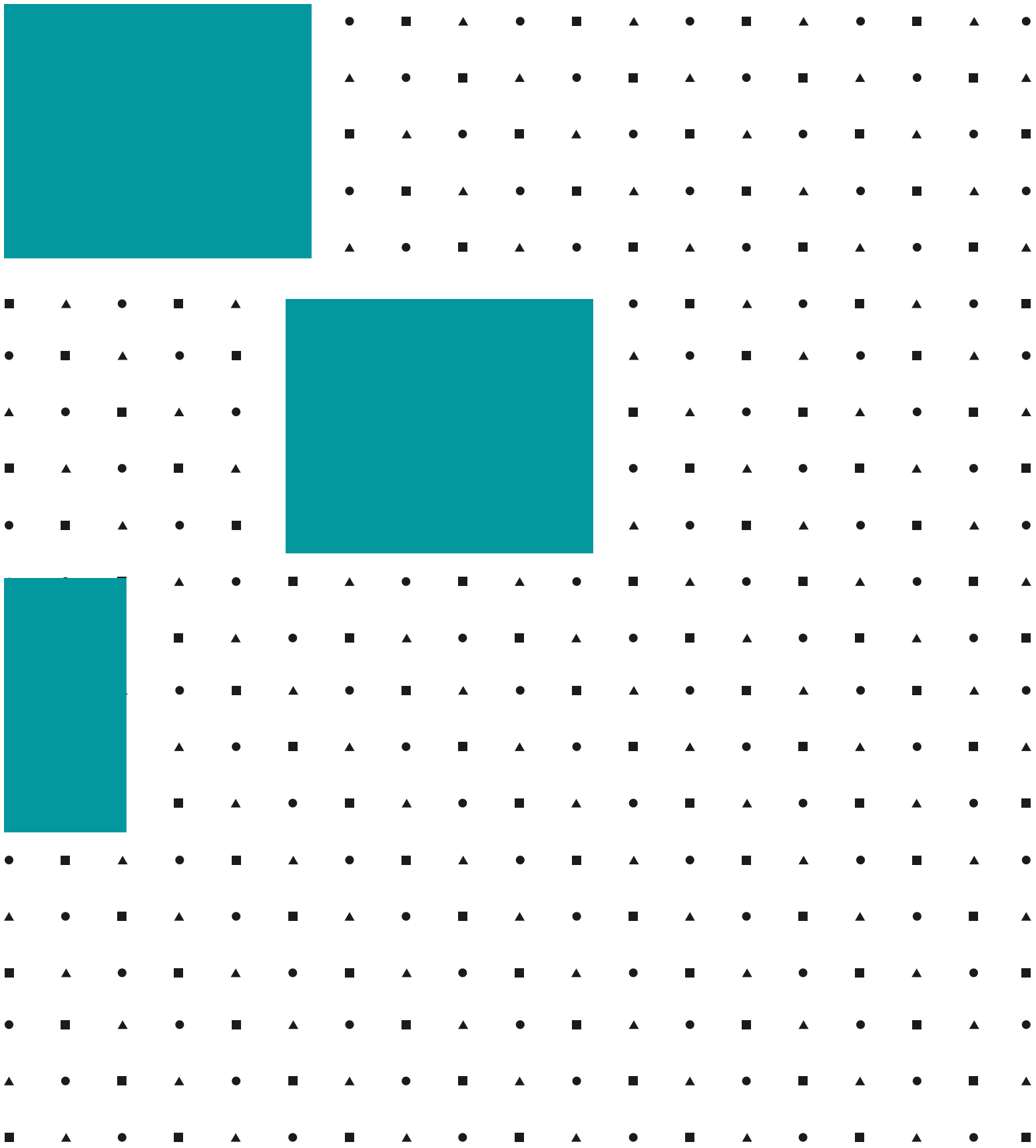


Study Case

UN Data Strategy

PEDRO HENRIQUE SOUZA
Information Management Consultant

Link for the document: https://www.un.org/en/content/datastrategy/images/pdf/UN_SG_Data-Strategy.pdf



**Data! Data! Data!
I can't make bricks
without clay.**

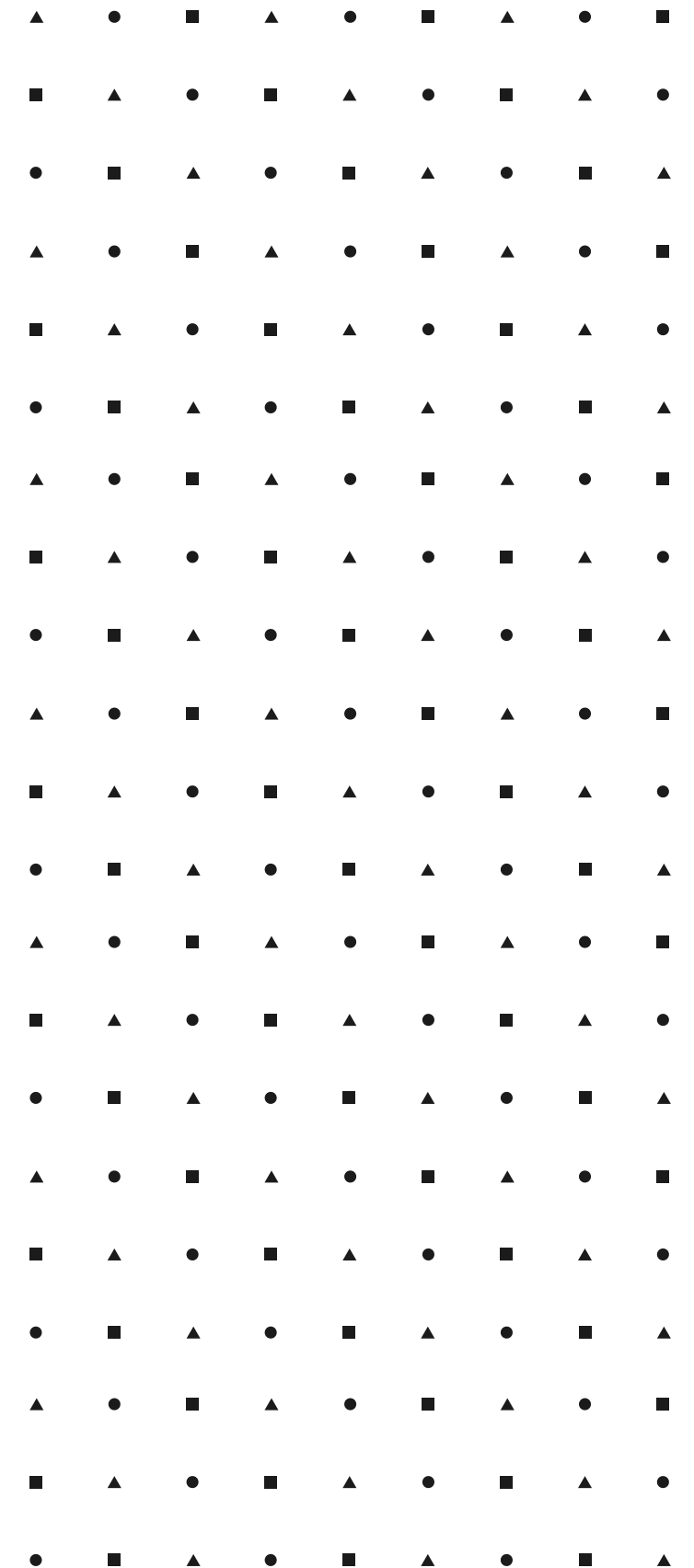
Sherlok Holmes

Context

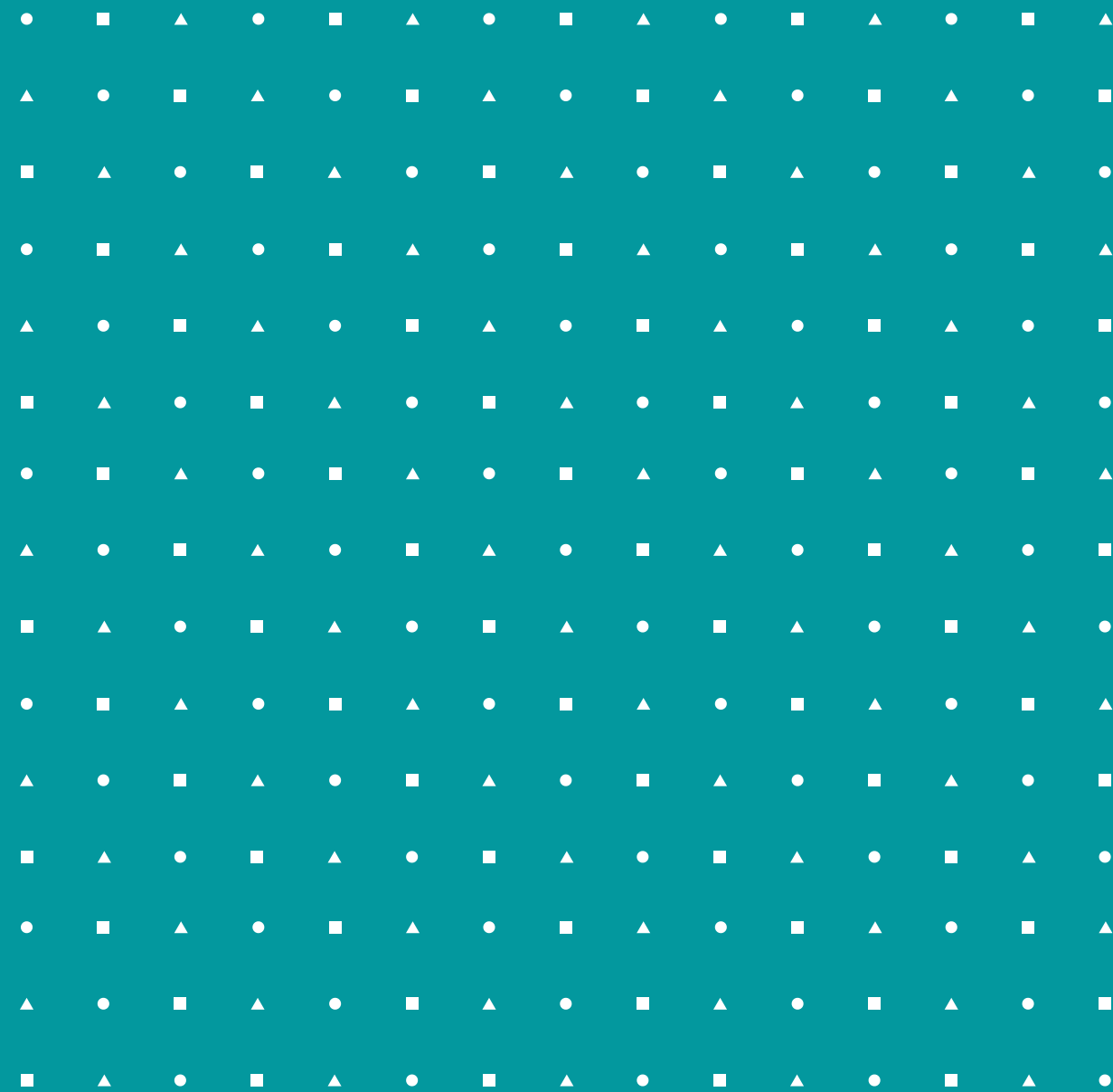
Why a UN Data Strategy?

2015

In the context of the 2030 Agenda, UN leaders advocate **with urgency** that Member States improve the **availability, timeliness and disaggregation of SDG data** so that the global community can identify development gaps, progress and solutions.



But what if we invert this urgent request?



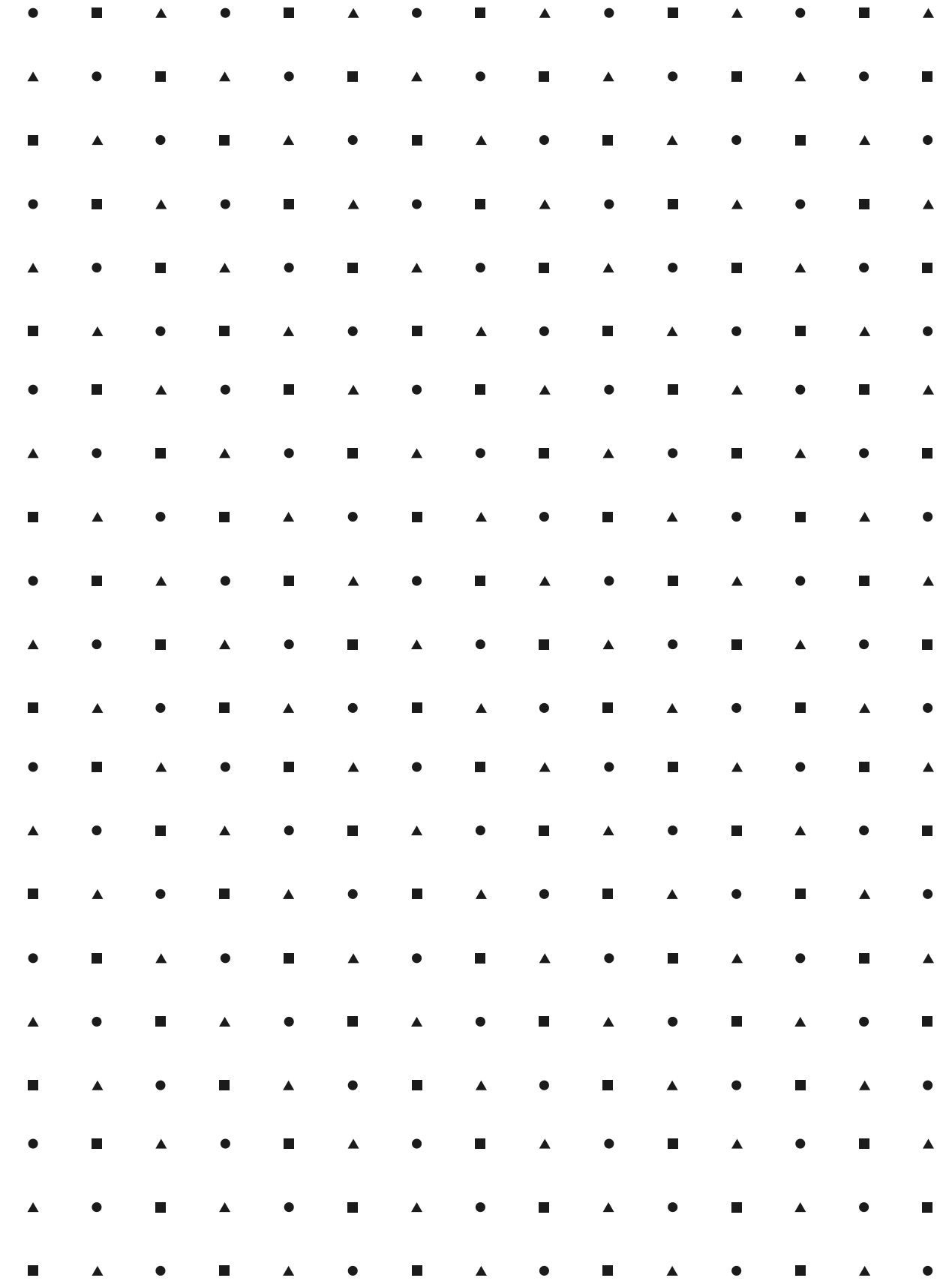
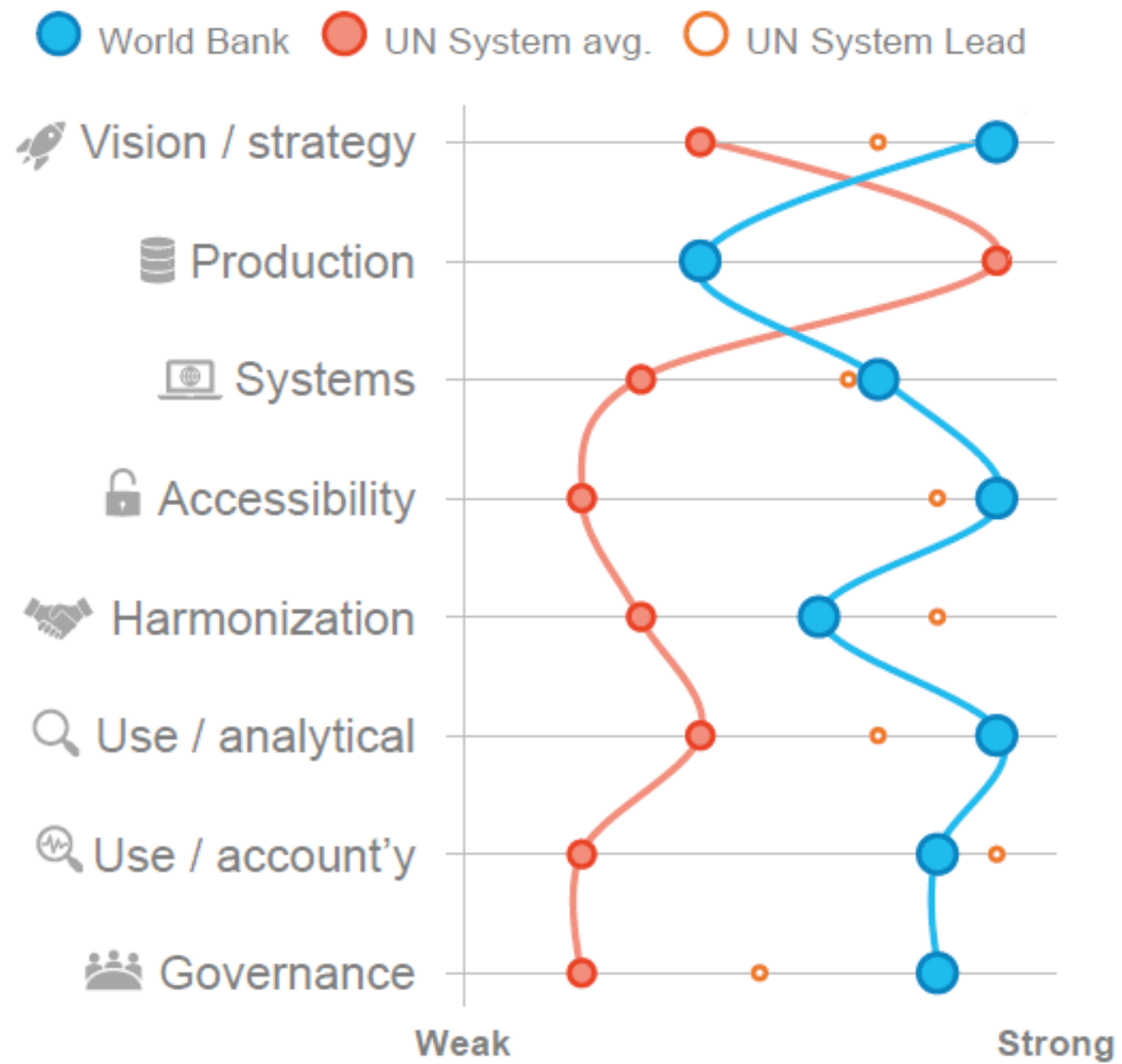
Would the UN System be able to provide disaggregated SDG data on all its activities?

Would the UN System be able to provide a realistic figure of how much the System is investing in Sustainable Development?

How many resources are being used in your country? Budget and expenditures?

Despite producing a lot of data, the UN System is still behind in all other data management aspects when compared to the World Bank.

Aspects of data strength, World Bank / UN



Among the reviewed documents, Canada's data strategy is the most advanced and comprehensive

	Vision	Principles	Governance	People	Culture	Infrastructure	Funding	Communication	Security	Collaboration	Roadmap	Use cases	Score
Australia	✓	✗	✓	✓	✓	✓	✗	✓	✓	✗	✓	✗	
Canada	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	
Dubai	✗	✓	✓	✗	✗	✓	✗	✓	✗	✗	✓	✗	
EU Data	✓	✓	✓	✗	✗	✓	✗	✗	✗	✓	✗	✗	
France	✗	✗	✓	✗	✓	✓	✓	✓	✗	✓	✓	✓	
IMF	✓	✓	✓	✓	✗	✗	✓	✓	✗	✓	✓	✗	
Ireland	✓	✓	✓	✗	✗	✓	✗	✗	✗	✗	✓	✓	
Singapore	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	
UNICEF	✓	✓	✓	✓	✗	✓	✗	✓	✗	✓	✓	✗	
USA	✓	✓	✓	✓	✓	✓	✗	✗	✗	✓	✓	✓	

Best practices in the creation of a data strategy

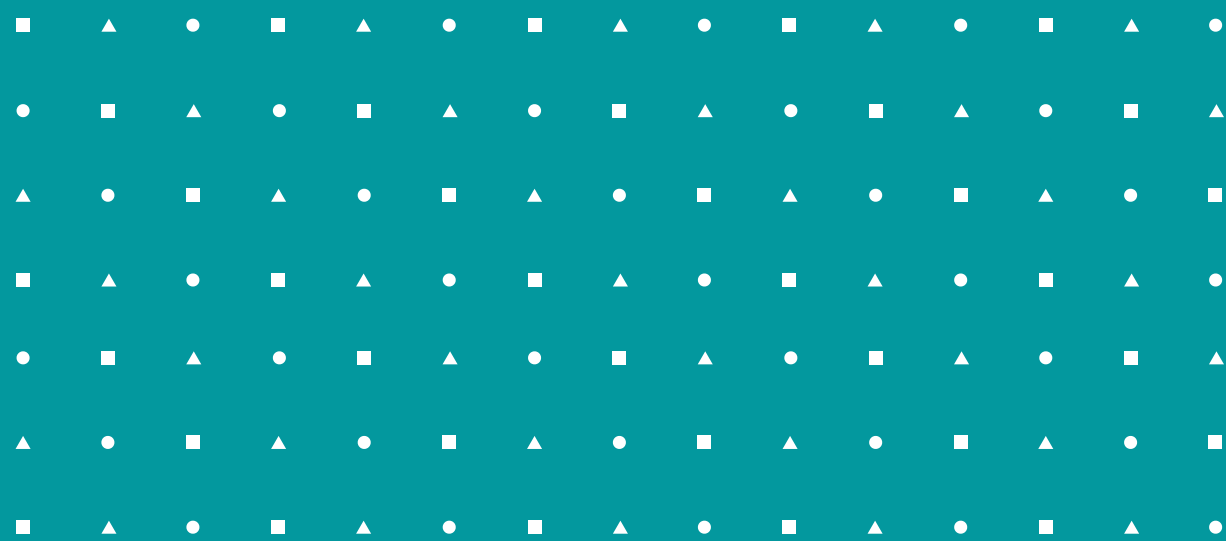


Analyze the organization's current state of data fluency.

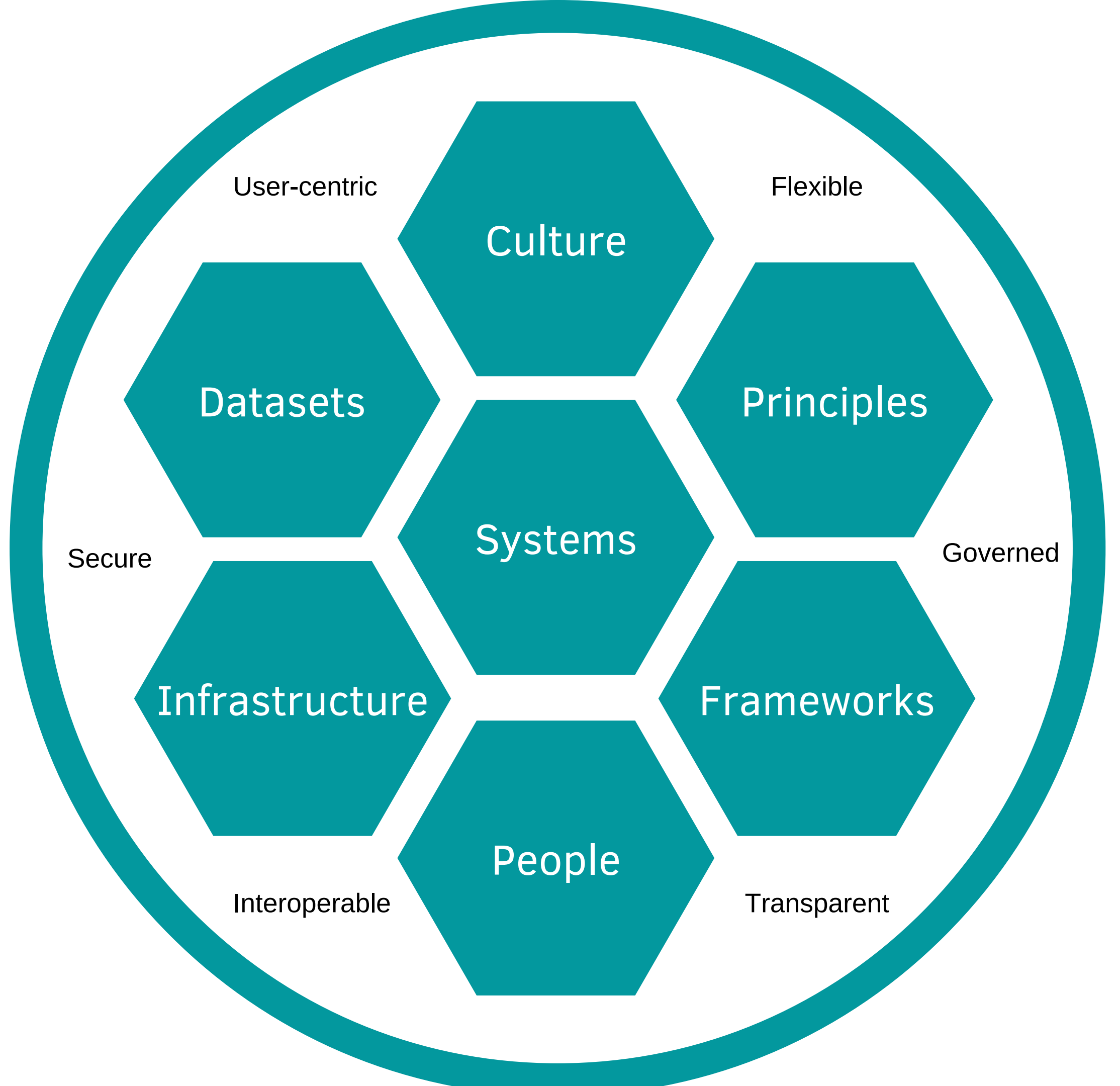
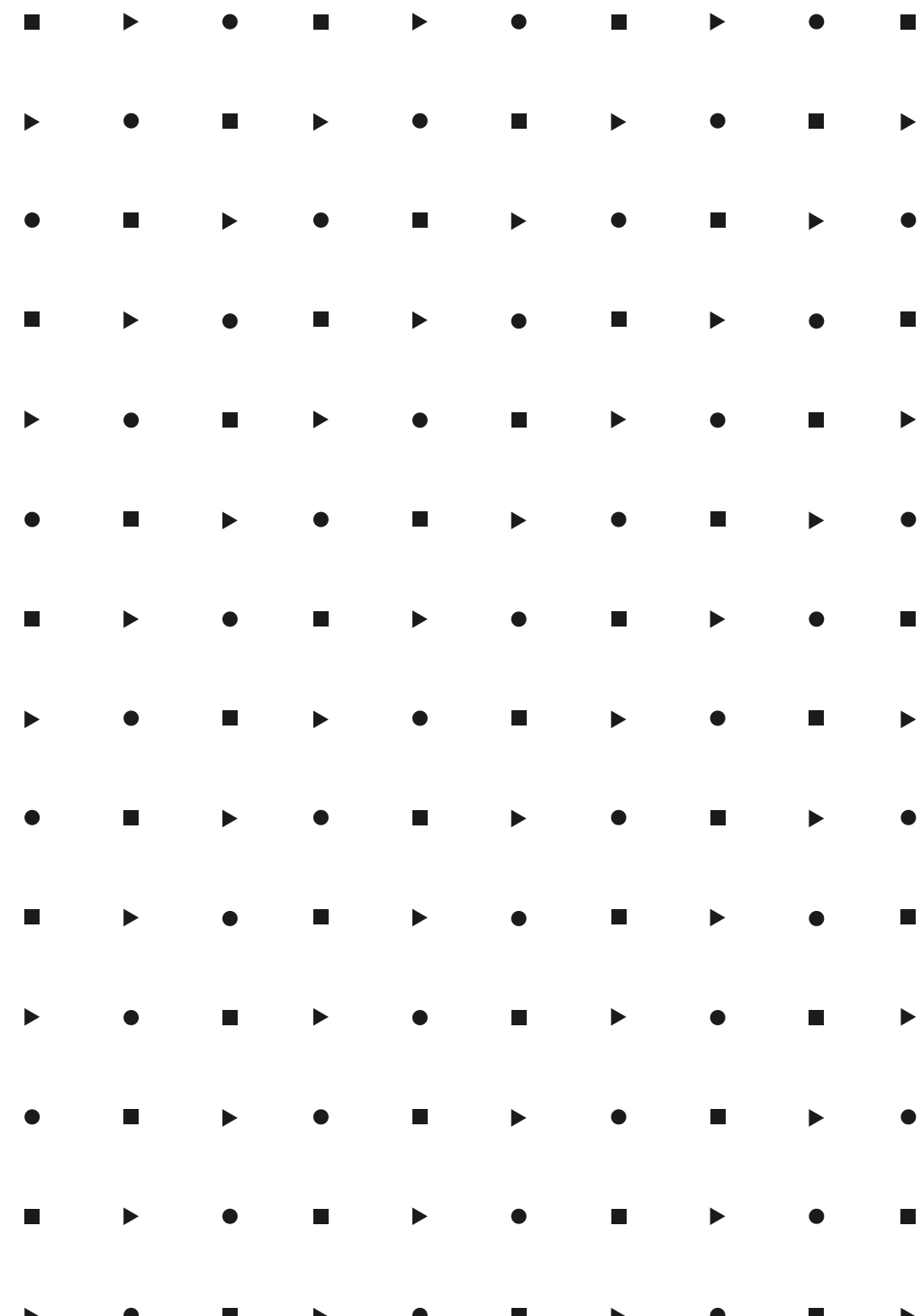
Determine the ideal future state of organization data integration.

Structure the strategy according to key themes and priorities.

Provide concrete use-cases for data integration throughout the organization.



Data Ecosystem



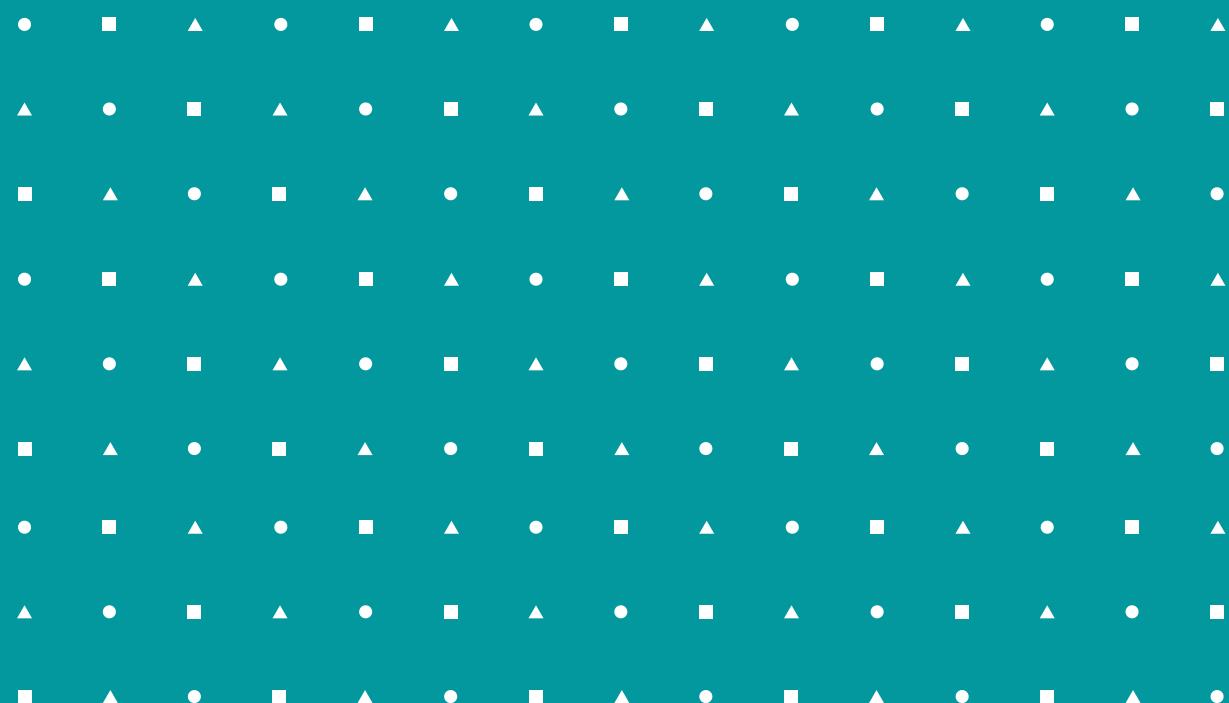
UN Data Strategy

1 Vision

In building a whole of UN data ecosystem that maximizes the value of our data, we will unlock our full potential . We make better decisions and deliver stronger support to people and planet in the moments that matter most.

7 Outcomes

- SMART - Stronger cross pillar decision making and thought leadership
- CONNECTED - Greater data accessibility and sharing internally and externally
- ORGANIZED - Improved governance and collaboration for impact & integrity
- RESPONSIBLE - Robust data protection & privacy, and respect for human rights
- EFFICIENT - Greater efficiency in programmes, operations & management
- ACCOUNTABLE - Improved transparency within and across the UN Family
- RELEVANT - Enhanced data driven services for clients and stakeholders



UN Data Strategy

12 PRINCIPLES

- Asset
- Excellence
- Data Protection & Privacy
- Augmented Human decision-making
- Fairness
- Accountability
- Transparency
- Ownership
- Stewardship
- Security
- Inventory
- Optimization

6 PRIORITY USE CASES

- Decade of Action to Deliver the SDGs by 2030
- Climate Change
- Gender Equality
- Human Rights & Rule of Law
- Peace and Security
- Governance & Ethics for the future
- Delivering the UN Reform
- Data Protection and Privacy

UN Data Strategy

Set strategic **foundations**

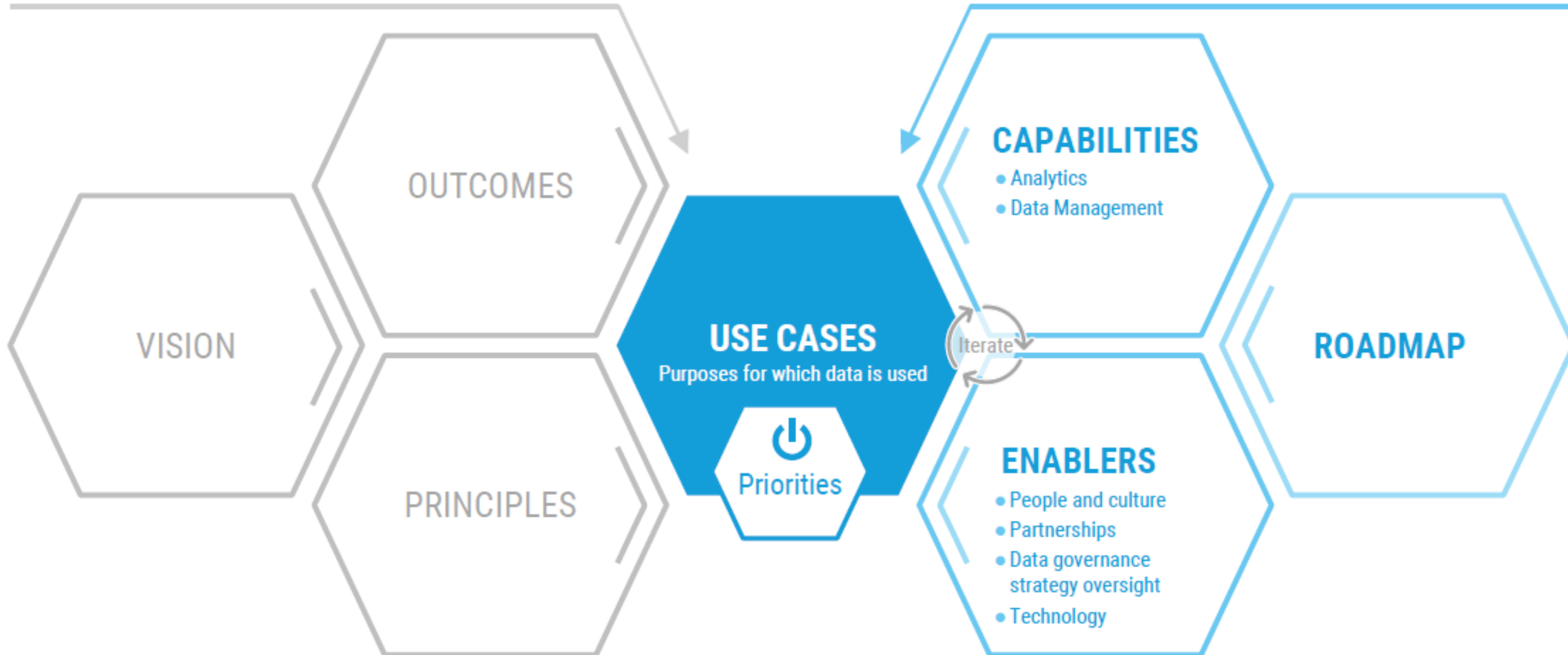
Our vision, outcomes and principles for a data-driven organization, grounded in UN values and human rights

Create **value** & focus on **priorities**

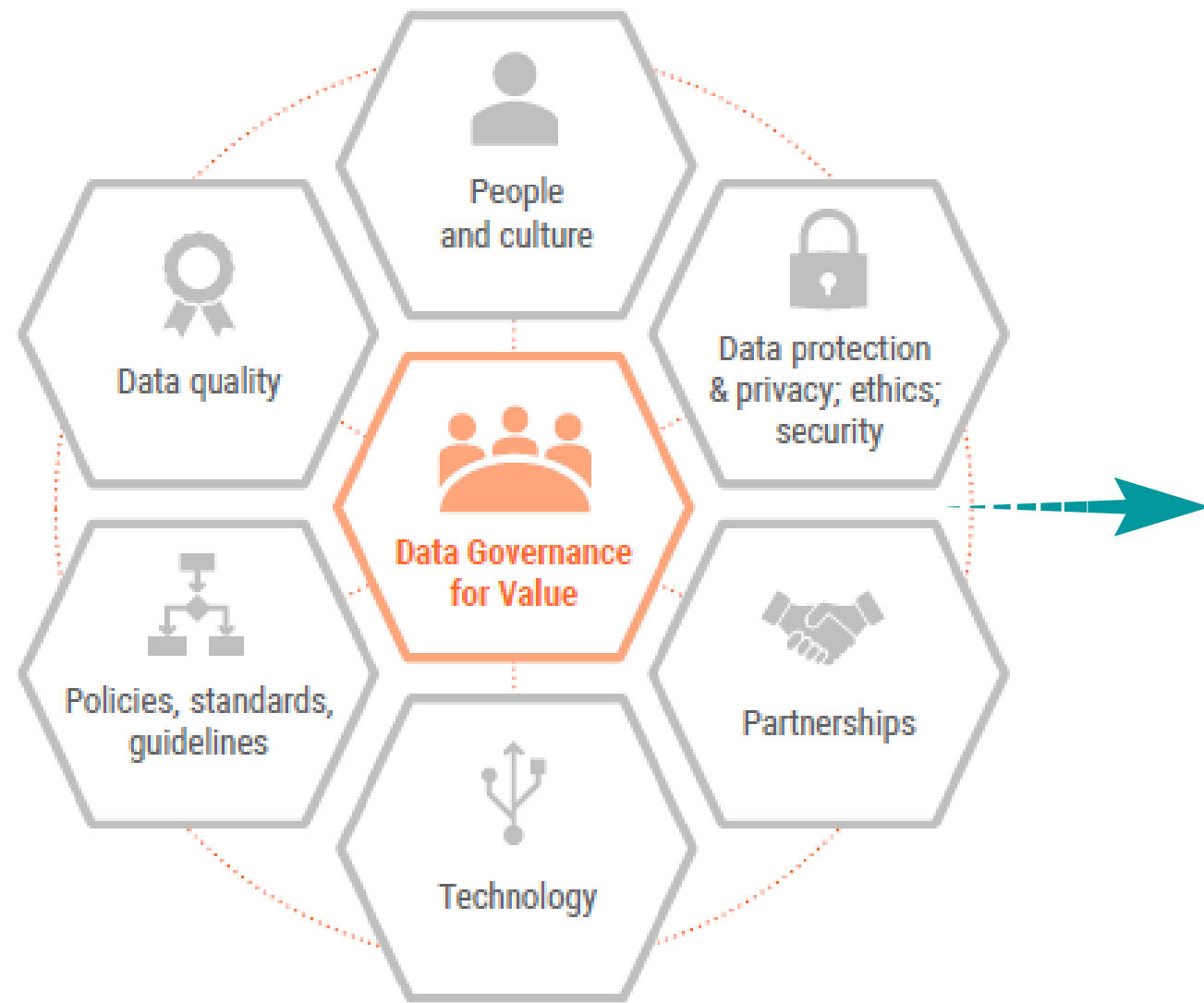
Employing our new capabilities everywhere to deliver use cases systematically

Foster **enablers**, nurture **capabilities**, **iterate**

People and culture, governance, partnerships and technology for better data and analytics practice



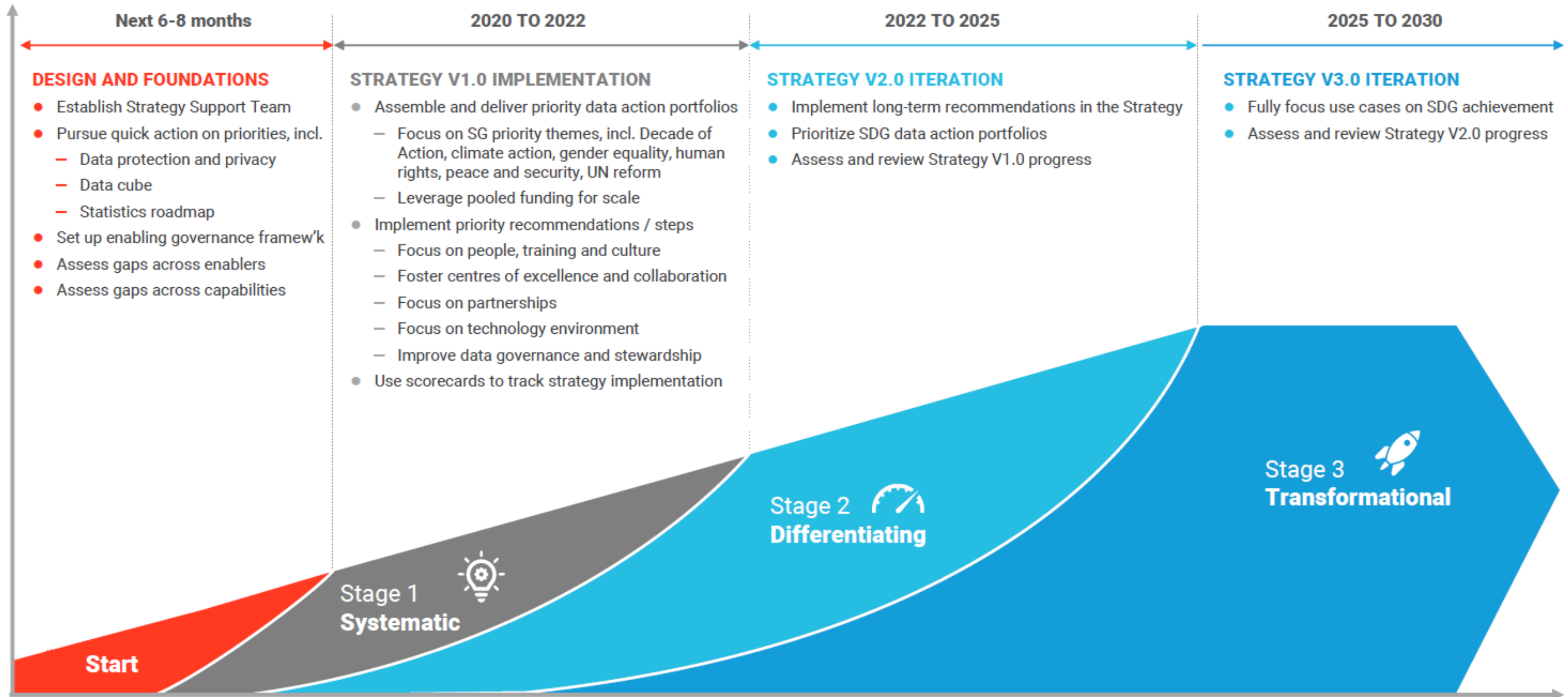
UN Data Strategy



Next step

- 1 In your organizational context, and using the Framework for Data Action, **identify potential use cases** aligned w/ **priorities & outcomes**
- 2 In your organizational context, and using the Framework, evaluate and start delivering "**data action portfolios**" for insight, impact and integrity
- 3 As a UN family, ensure delivery of the **UN Data Protection and Privacy Programme**
- 4 Design **generic job profiles** for junior, mid and senior level **data analyst, engineer, scientist** and other **data-focused positions**
- 5 As a UN family, share a set of **reference competency, education and experience requirements** for data and analytics-focused job profiles
- 6 Use **fellowship programmes**, as well as data and analytics-focused **P-1, JPO, UNV** and other **junior positions** (incl. at HQ) to onboard talent
- 7 Establish a data **peer learning group** and **knowledge exchange** platform in your organization
- 8 As **managers, communicate** to **everyone, everywhere** that we seek a **data-driven transformation** to use data better **for insight, impact & integrity**
- 9 Assemble **gender-balanced cross-functional teams** that unite subject-matter, data management & analytics expertise to deliver your **use cases**
- 10 Wherever possible, expand **existing data partnerships** so they can be leveraged across the UN family
- 11 As a UN family, design **model data sharing agreements** to facilitate named or group to organizational data assets, based on avail. best practice
- 12 Design a **Data Strategy**, incl. vision, outcome & use-case-centric approach to nurture analytics & data mgt capabilities, supported by enablers
- 13 Develop **framework for strategy oversight and data governance**, incl. Data Strategy Group, Data Governance Council, data stewardship model
- 14 Designate colleagues to a small, time-bound, gender-balanced & cross-functional **Data Strategy Support Team** to support implement., incl. Legal
- 15 As a UN family, form a small, time-bound, gender-balanced & cross-functional **UNSDG Data Strategy Support Team** to support the UN family
- 16 Activate the **pooled fund on "UN Data, Innovation and Impact"** to mobilize resources for system-wide use cases that add most stakeholder value
- 17 Mainstream **self-service analytics tool sets** and policy to empower users everywhere, incl. w/ data exploration, prep., analysis, visualization, etc.
- 18 Improve **tool sets and IT policies** for managing **masterdata** to ensure uniformity, accuracy & accountability for key org.-wide reference identifiers
- 19 As a UN family, **establish 'trust'** between **identity mgt** systems of UN orgs. to catalyze collaboration on shared data (start w/ **Office 365 users**)
- 20 Support development of **external portals for core data (data.yourdomain.org)** & **micro dataset exchanges** (modeled on hdx.humdata.org)
- 21 Conduct **rapid assessments** of existing tool sets to support data **security, protection and privacy**, and **risk management**
- 22 Switch on **multi-factor authentication (MFA)** in identity management systems for all users **immediately** to quickly improve baseline security
- 23 Improve decision-making and deliver use case with **descriptive analytics**, incl. via centralized enterprise reporting and business intelligence
- 24 Improve decision-making and deliver use case with **self-service diagnostic analytics** incl. data exploration, preparation, analysis, collaboration
- 25 Support mission-critical priorities by investing in **visualization** and **storytelling** capabilities, complementing descriptive and diagnostic capabilities
- 26 Assess **data requirements** for your use case portfolio, as established through the action framework, map against available data and **address gaps**
- 27 Based on use case & governance needs, ensure **masterdata** (i.e. key reference identifiers) is available and consistent for your use case
- 28 Based on your organizational context, ensure adequate **masterdata mgt** for **org.-wide key reference identifiers**, using global / UN standards
- 29 As a UN family, set **core data standards** (incl. ISO code application, costing codes, etc.) for better system-wide insights, impact, integrity

UN Data Strategy



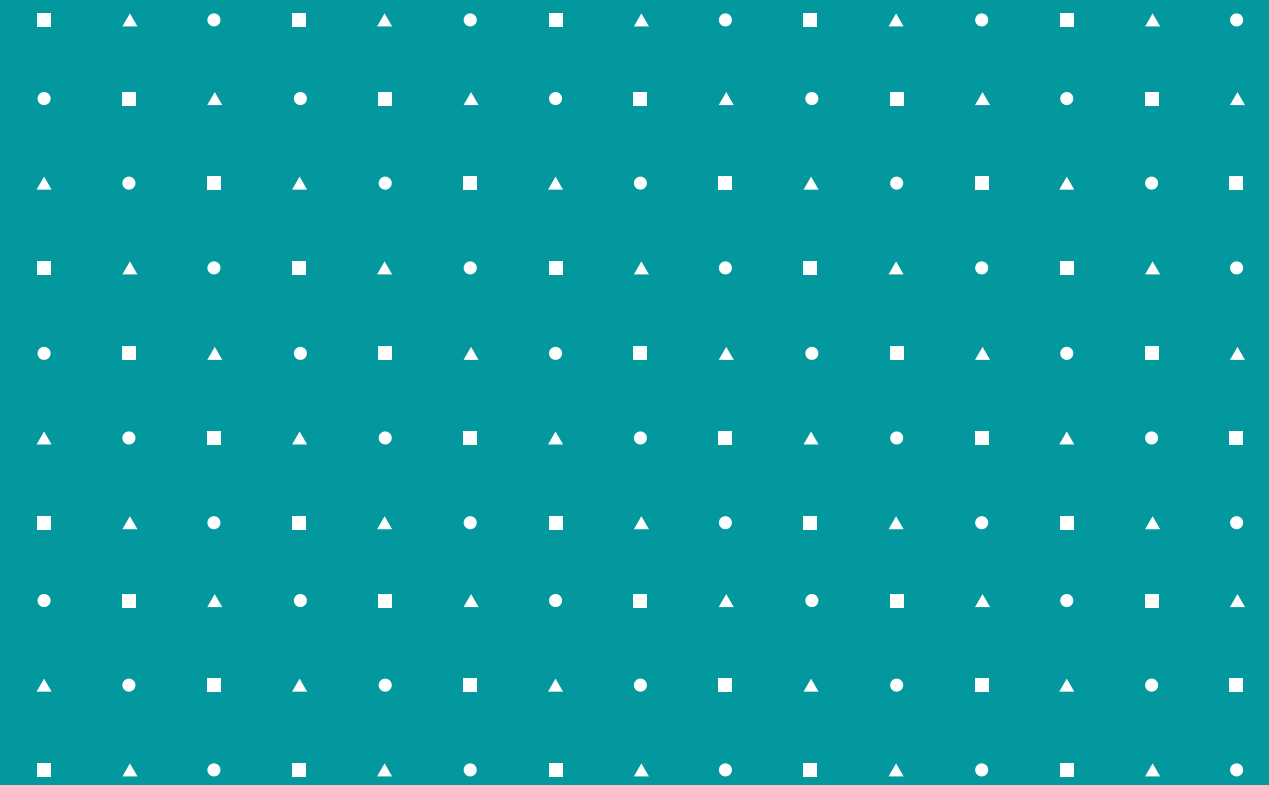
What can we learn?

A new approach data is imperative to be able to deliver the 2030 Agenda.

The creation of a data strategy is cumbersome, but rewarding, and it demands a high-level political commitment.

It needs to be a long-time commitment in order to make transformational improvements.

Low-hanging fruits first.



Thank you!

Pedro Henrique Souza
Information Management Consultant
pedrohsouza@gmail.com