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The Analytics of Global Impact of Wits Research Datasets

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The Analytics of Global Impact of Wits Research Datasets

NICIS NATIONAL INTEGRATED CYBERINFRASTRUCTURE SYSTEM DIRISA

DIRISA 2025 Annual National Research Data Workshop

Bongi Mphuti, Manager: Wits Libraries - Research Visibility and Open Scholarship

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Overview

- Aimed at transforming our world
- Addressing global challenges and
- The well-being of humanity
- Leaving no one behind
- Addressing inequalities

Sustainable development Goals

- Originally defined by the subject matter experts
- Used by researchers & funders

Research Categories

- Global partnerships
- Creativity
- Knowhow
- Technology
- Financial resources

National & International Collaborations

- Role of the research data management policy
- Datasets archiving and sharing
- Influence of datasets on policies

Policies

What is Impactful Research Outputs

Wits defines "impactful research" as research that is both high-quality and contributes to the advancement of academic disciplines, influences policy and practice, and stimulates social impact or economic development globally.

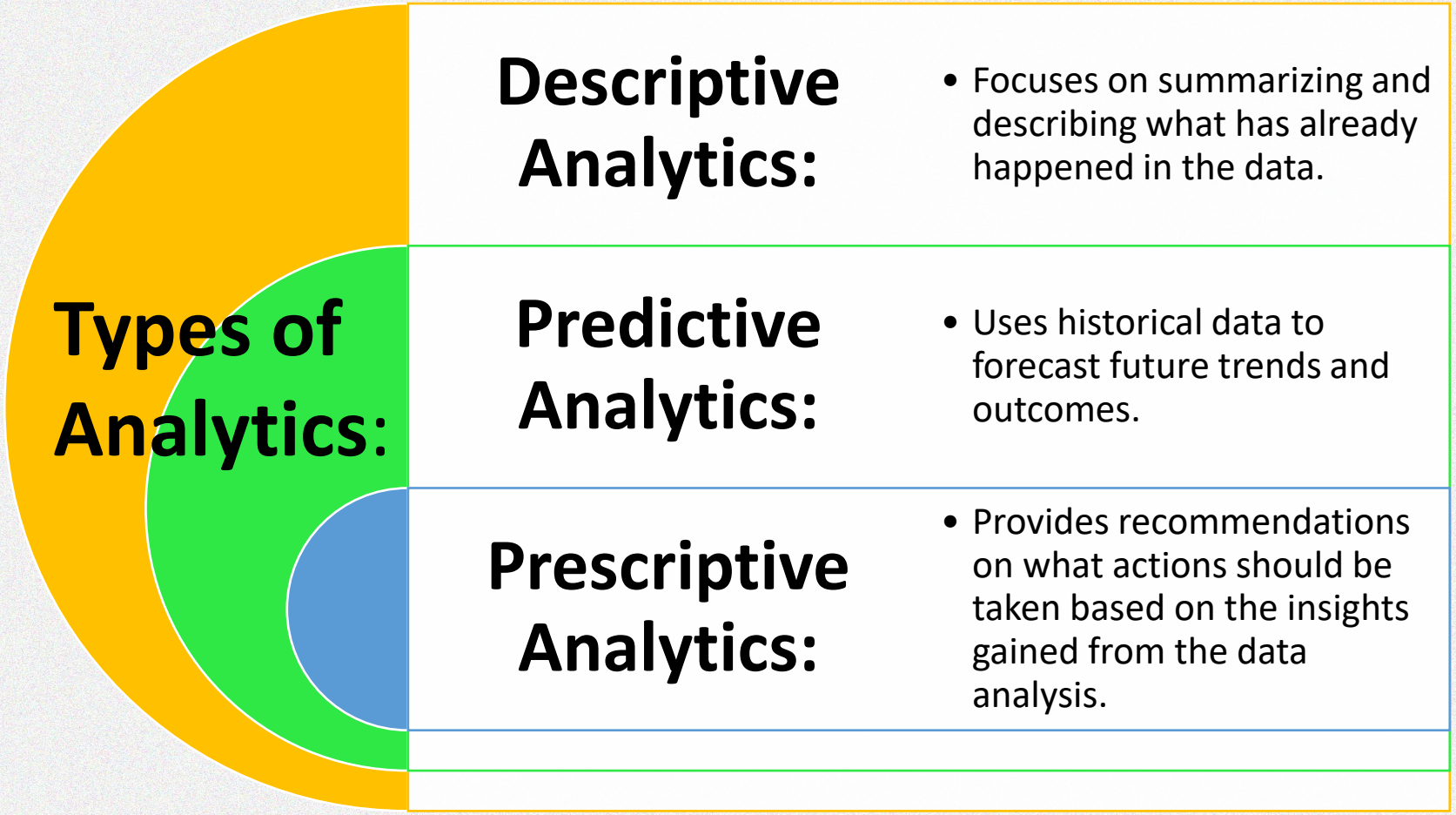


Source: 2025/06/25 https://issuu.com/witsmarketing/docs/wits_pg_guide2022/s/15193286

Data Analytics

Data analytics is the process of examining data to uncover trends, patterns, and insights that can inform decision-making

Diagnostic Analytics:
Aims to understand why something happened by analyzing the data to identify the root causes of certain events.



Source: 2025/06/25

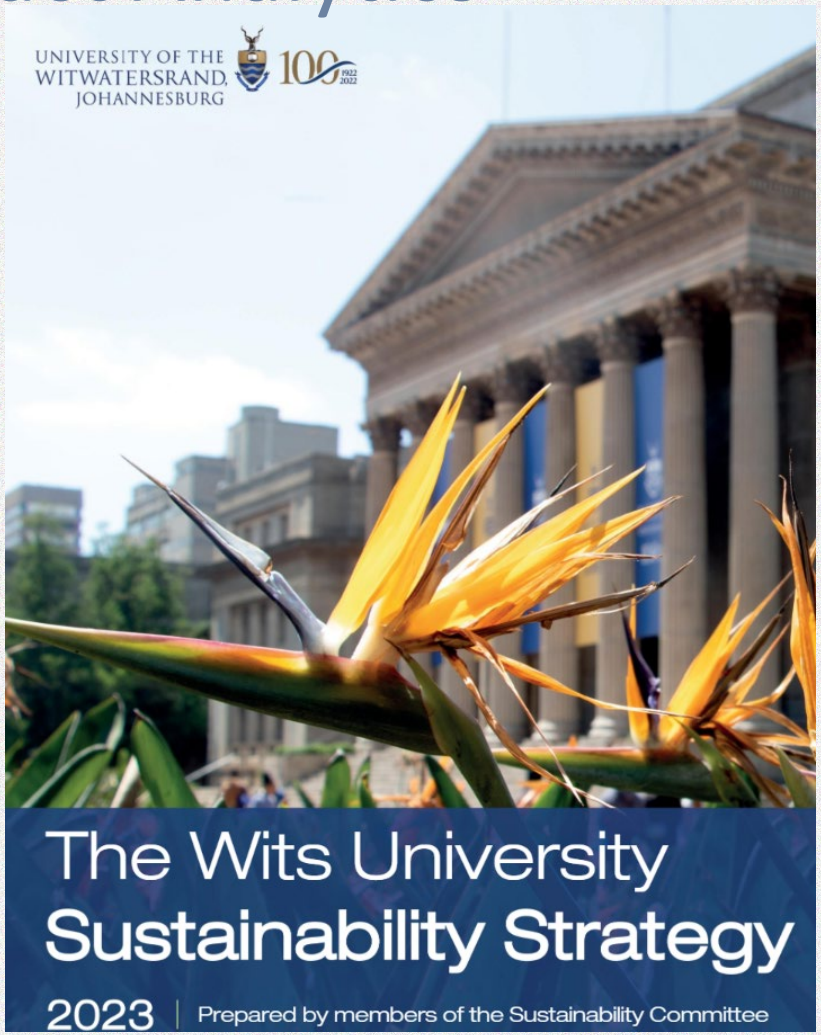
https://www.coursera.org/articles/data-analytics

https://www.sap.com/resources/what-is-data-analytics

https://onlinedegrees.scu.edu/media/blog/data-analytics-driving-better-business-decisions

Where does Wits want to be in 2050

Wits responding to climate emergency commits to play a pivotal role in a just and equitable transition to a net zero-carbon economy for the city, region, country, continent and the world, by 2050



Source: 2025/06/25 https://www.wits.ac.za/csi/wits-sustainability-strategy/

Publications & Citations on SDGs

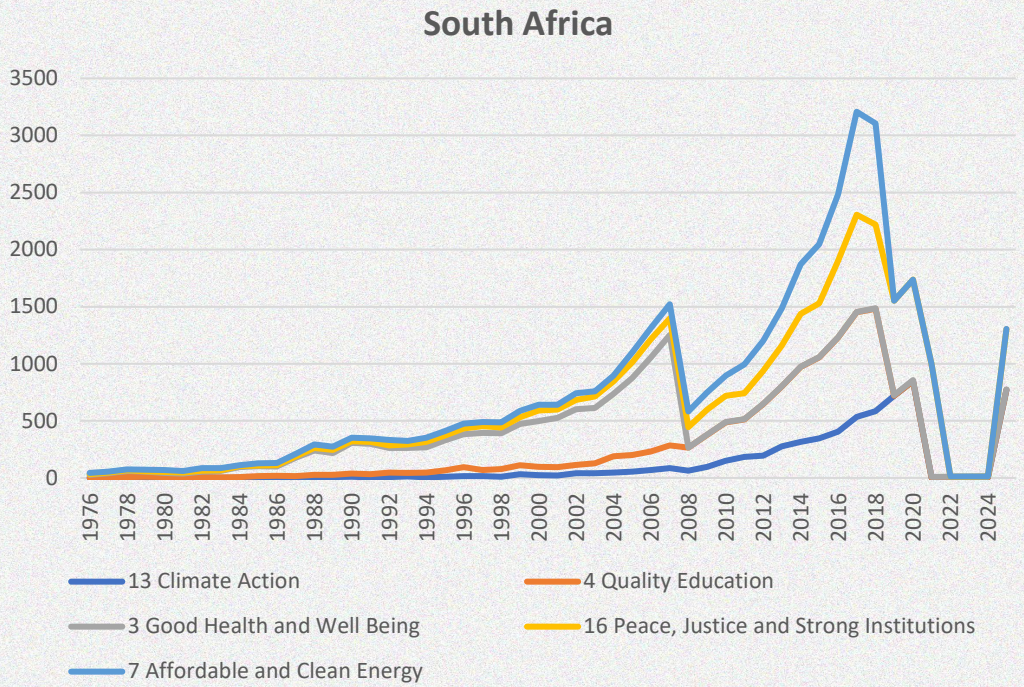
Dimensions
A **Digital Science** Solution
Source: 2025/06/25

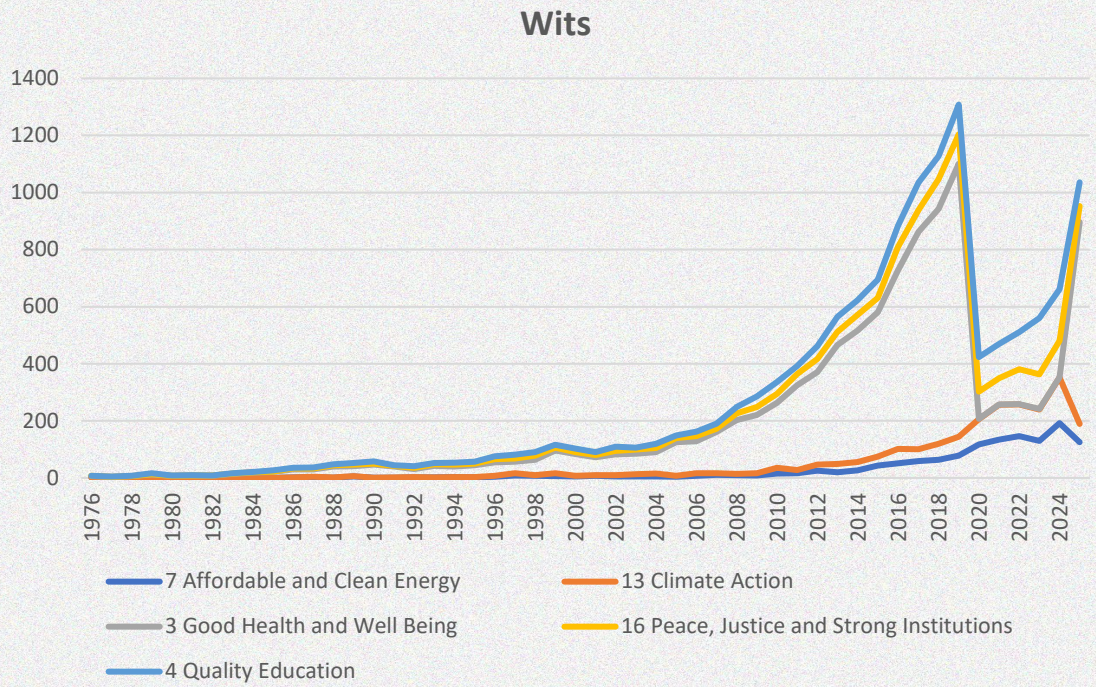
Publications	Citations
SA = 189 783	SA = 4 780 043
Wits = 29 319	Wits = 331 659
13% of SA	7% of SA

Based on the overall number of SA papers and datasets,
each SA university might contribute 3% if everything else is equal

Publications Period on Top 5 SDGs

Dimensions
A **Digital Science** Solution
Source: 2025/06/25





The earliest Wits publications to have impact on the SDGs date back to 1976.

Based on the overall number of SA papers and datasets, each SA university might contribute 3% if everything else is equ

Publications & Datasets

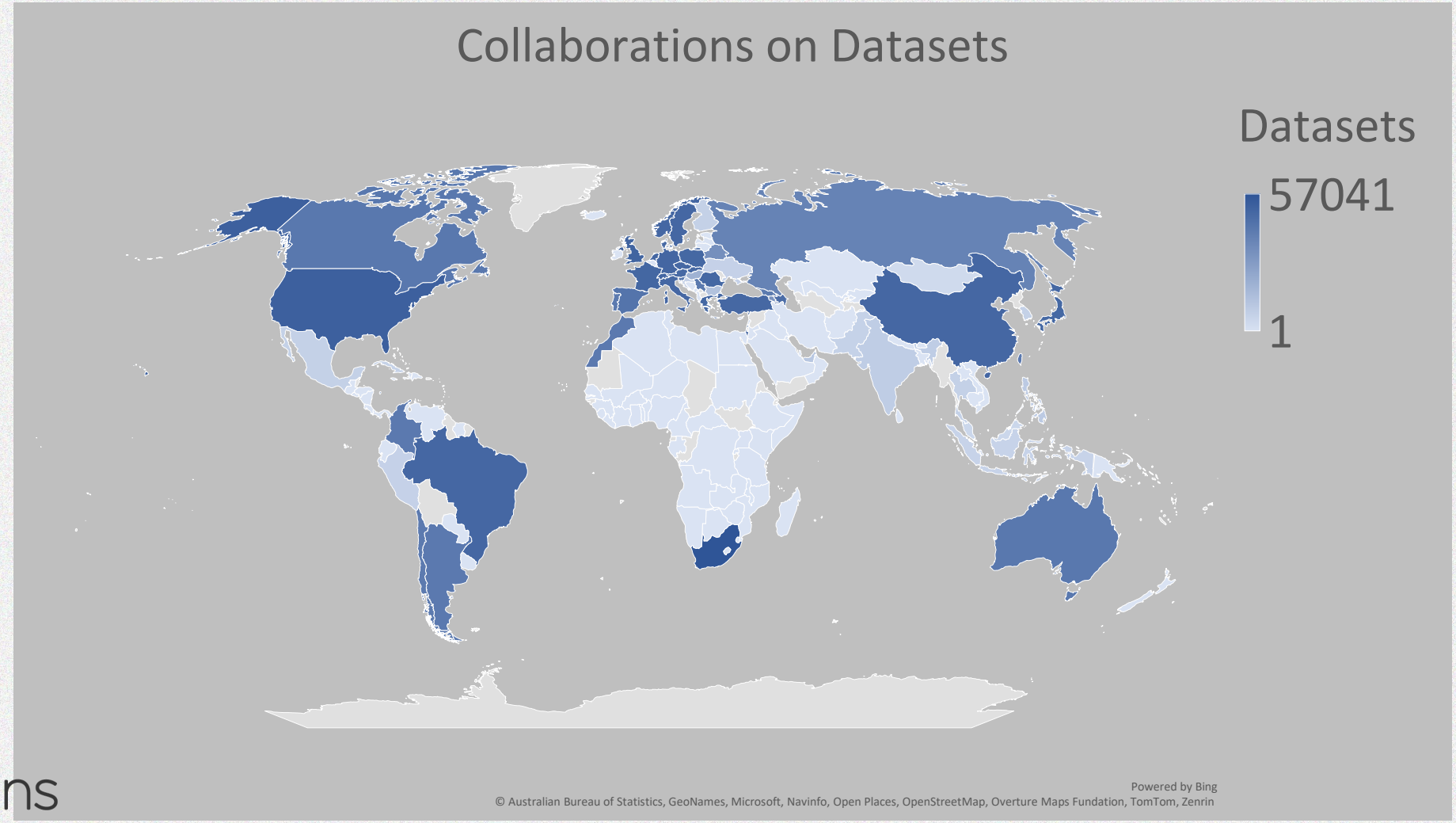
Dimensions
A **Digital Science** Solution

Source: 2025/06/25

Publications	Datasets
SA = 560 985	SA = 95 970
Wits = 75 220	Wits = 57 041
13% of SA	59% of SA

Based on the overall number of SA papers and datasets,
each SA university might contribute 3% if everything else is equal

Datasets & Collaborations



Dimensions
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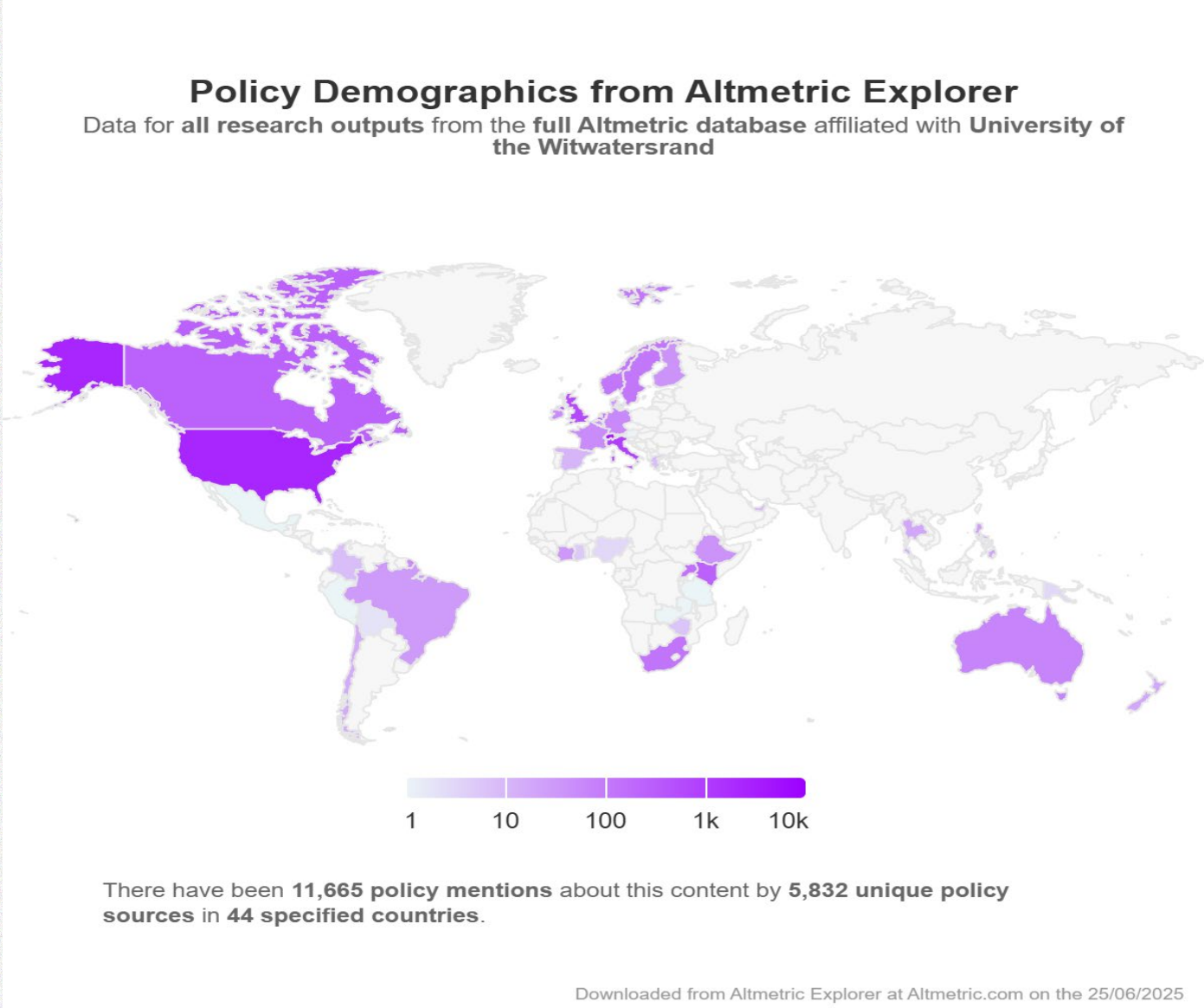
Source: 2025/06/25

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Analytics – Impact of Datasets - Policies

Wits Research Outputs Influence on Policies

- There have been 11,665 policy mentions by 5,832 unique policy sources in 44 specified countries.



Source: 2025/06/25

Altmetric EXPLORER

Impact of Datasets – Wits RDM Policy Review

Relevancy

Library's perspective

Researcher's perspective

Stakeholders

Identification – who/why

Involvement – buy in

Implementation & compliance

Challenges

Recommendations

Sharing & collaborations

Up-to-date e-profiles

Datasets

"Leave no one behind & address inequalities"

SDGs Actions

Training, Engagements, Reporting

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Thank you

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