

Building a robust and open land information infrastructure for tenure security and climate action in Africa

Thursday, May 16, 2024







MINISTRY OF LANDS, HOUSING AND URBAN DEVELOPMENT





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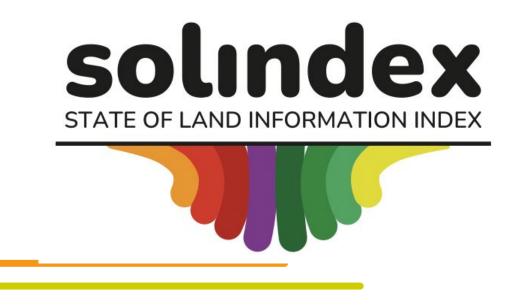
Moderator: Romy Sato, Research and Knowledge Lead, Land Portal, Brazil

- Charl-Thom Bayer, Sr Land Information Specialist, Land Portal, Namibia
- Maria Muianga, Chief Technology Officer at Terra Firma, Mozambique
- Ketakandriana Rafitison, Vice Chair: Board of Directors of Transparency International, Madagascar
- Naome Kabanda, Director of Land Management, Uganda
- Masida Mbano, Surveyor General, Malawi
- Ousseynou Niang, Database and Land Information System Manager at PROCASEF, Senegal

Objective of the SOLIndex

Land Portal is built on open data principles from the ground up.

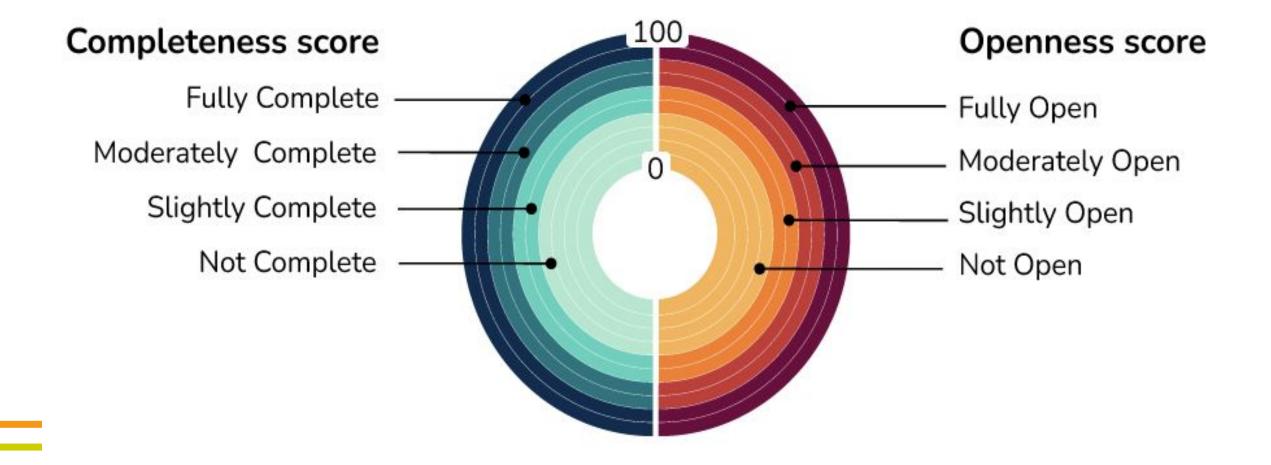
• **SOLIndex:** a global index to assess the state of land information at country level





Organisation of the SOLIndex

SOLIndex: measure the **COMPLETENESS** and **OPENNESS** of land data



South Africa What do we mean by **OPEN**? SOLIndex 31.4 47.0 Completeness 66.7 Openness LEGAL_FRAMEWORK LEGAL_FRAMEWORK 100.0 70.0 **OPENNESS CRITERIA** LAND_TENURE LAND_TENURE ✓ None 44.4 70.0 online accessible free LAND_USE LAND_USE 50.0 80.0 timely metadata standards LAND_DEVELOPMENT LAND_DEVELOPMENT 18.5 76.7 downloadable open_license

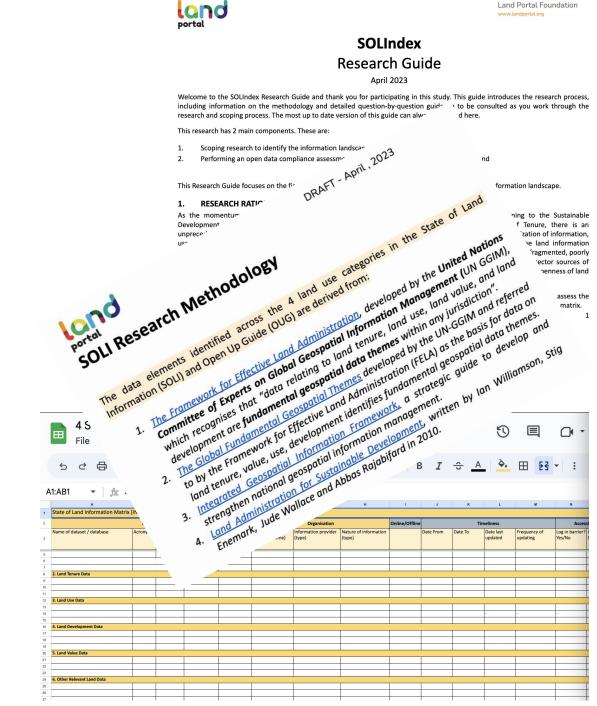
LAND_VALUE

36.7

LAND_VALUE

22.2

machine_readable



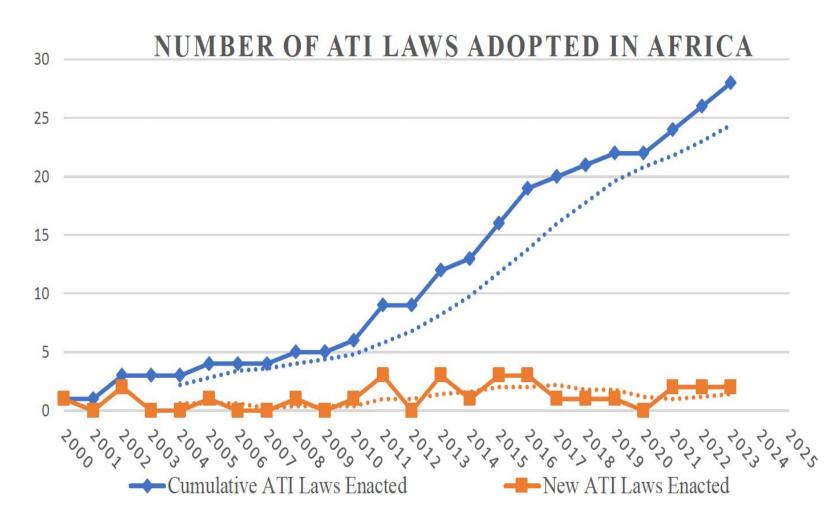
SOLIndex Data Collection

Key Activities

- Identify
- Describe
- Score

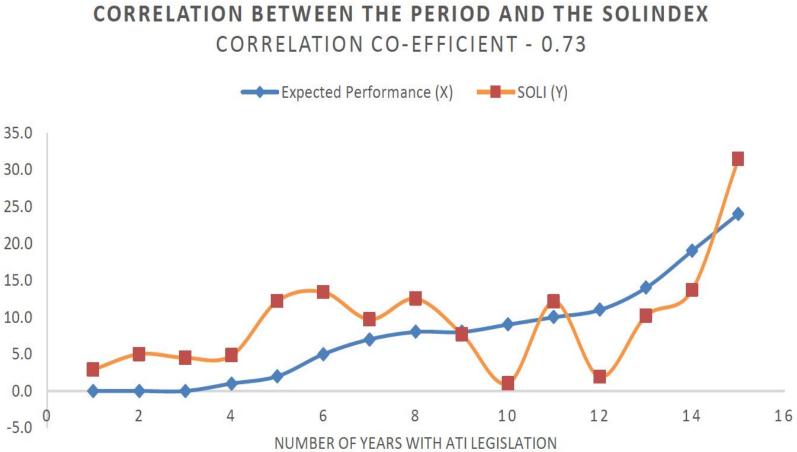
Results - Legal Framework

- Model Law on Access to Information for Africa (2013)
- 28 countries have passed ATI laws (52%)
- 8 countries currently in the process of enacting such legislation (15%)
- 36 countries have data protection legislation (67%)



Results - Legal Framework

- The Impact of an improving legal environment for open publication.
- The longer a country has had ATI legislation, the better it has performed in the SOLIndex.
- Sudan and South Sudan are outlier but there is still a strong 15.0 overall statistical correlation. 10.0



Bottom 25th percentile with a score of 5 or less

- Zambia (ATI Dec 2023)
- Madagascar (No ATI)
- Senegal (No ATI)
- Botswana (No ATI)
- Sudan
- South Sudan

100 90 80 State of Land Data Score 70 60 50 40 30 20 10 0 SOUTH AFRICA BOTSWANA MADAGASCE SENEGAL SOUTHSUDAN UGANDA LAMBIA NAMIBIA MALANI I ANIANIA MOLANBIQUE SUDAN CHANA LIBERIA TENTS SOLIndex Completeness Openness

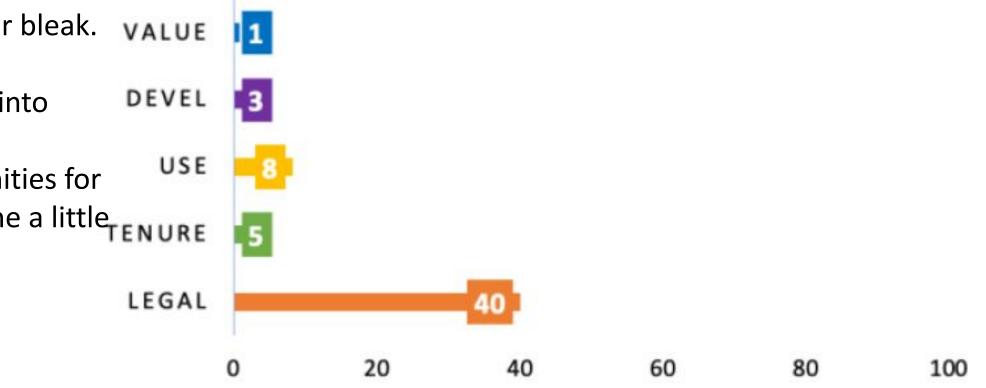
State of Land Data

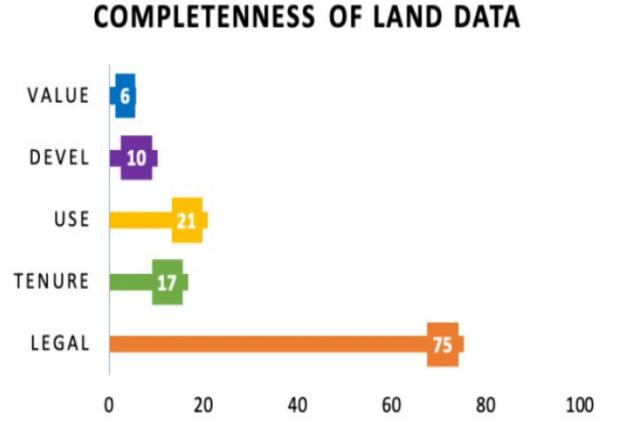
Average score for all countries in the pilot.

Situation looks rather bleak. VAL

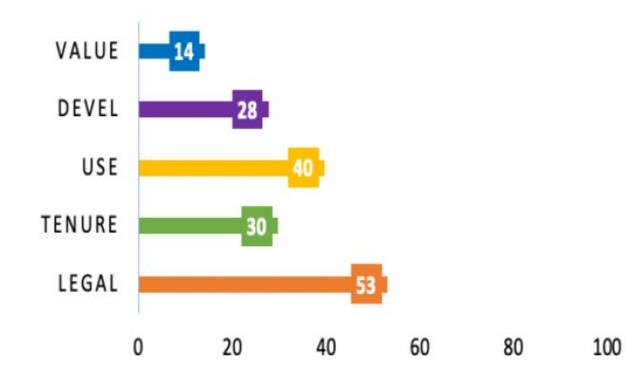
When broken down into DEVEL COMPLETENESS and OPENNESS opportunities for USE improvement become a little TENURE more optimistic.

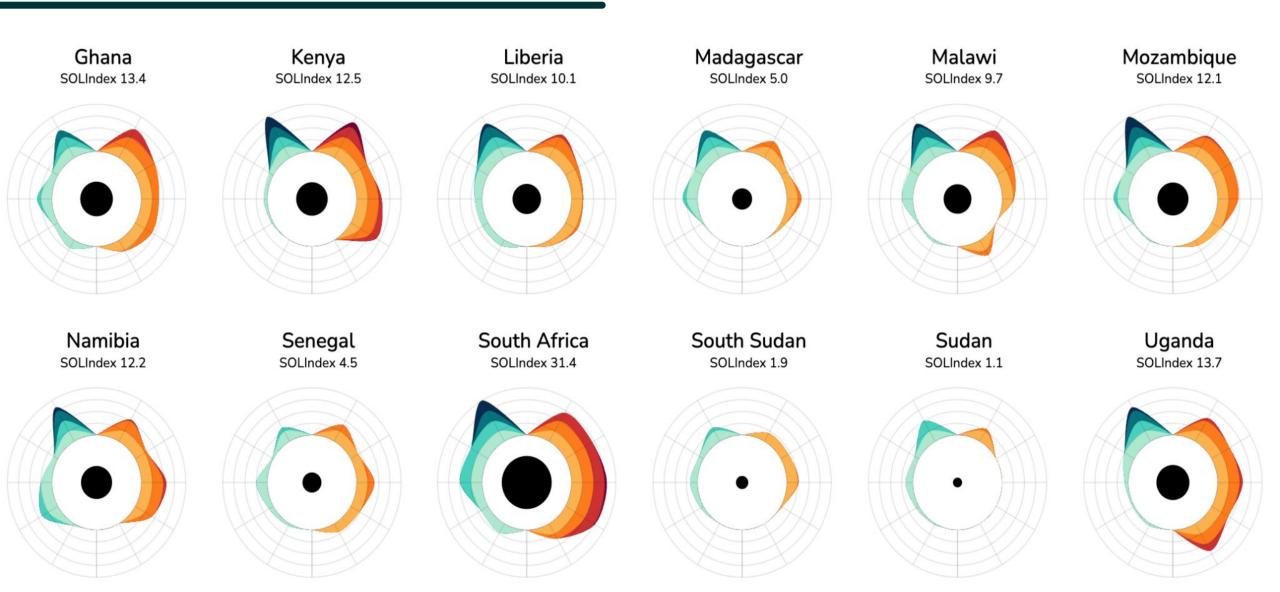
OVERALL SOLINDEX SCORE FOR EACH DATA CATEGORY





OPENNESS OF LAND DATA

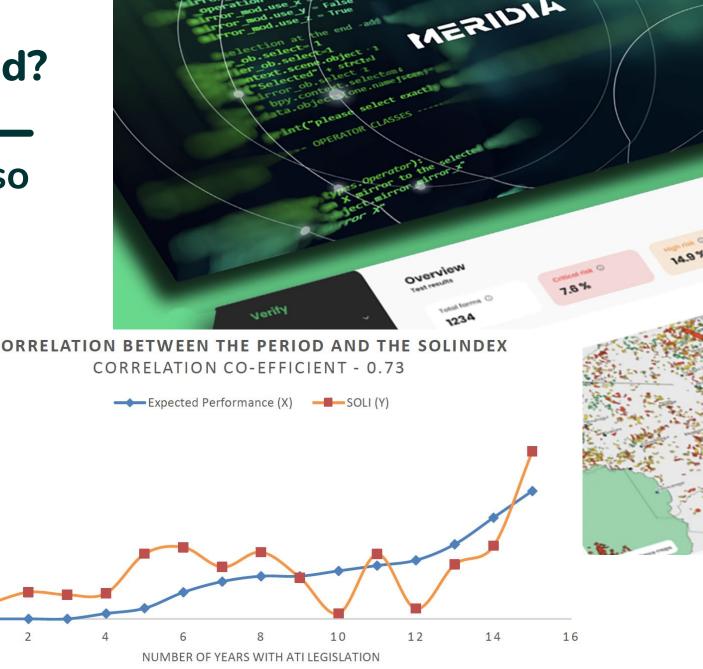




How can the data be used?

SOLIndex not launched yet so use cases are limited!

- Regulatory Compliance and Value Chain Traceability
- Support to Research highlighting the state of, impact, use and risks of land data.
- 3. Serve as a resource to support^{25.0} communities and land data ^{15.0} users to know more about the ^{10.0} available data. ^{0.0}



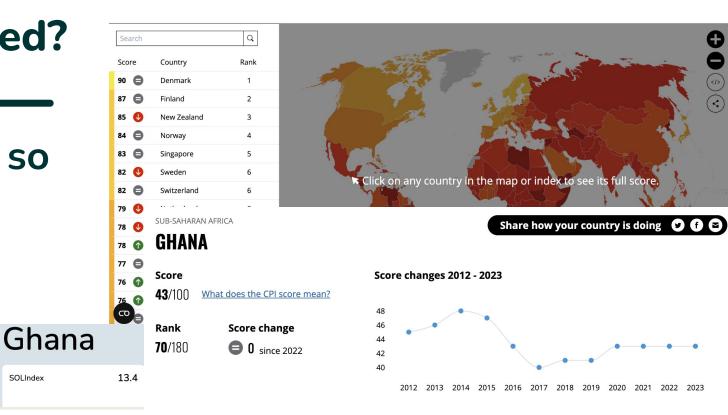
-5.0

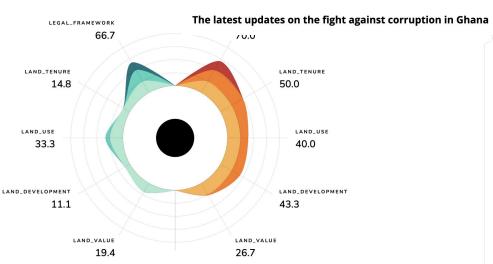
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- 4. Examine potential links between Corruption (CPI) and **Open Land Data (SOLIndex)**
- 5. Examine potential links between tenure security (Prindex) and Open Land Data (SOLIndex)







SOLIndex



- 1. There is more digital data than is being published.
- 2. Universal recognition of access to information as a fundamental right.
- 3. More effort to improve data collection, less so on publication
- 4. Partnership between government and civil society very successful in publishing legal information.
- 5. Practical tools and frameworks for sharing, a missing link?
- 6. Increasing publication on Governmental Open Data Portals

Governments can concentrate their efforts around these three aspects to significantly improve the data published.

- **1.** Operationalise legal frameworks
- 2. Publication of data that already exists in the public domain
- **3.** Improve the existing national data portals



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portal

Thank you

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