Africa's Digital Transformation
Financial Inclusivity and New Methods of Measuring Poverty

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Data revolution

In order to achieve the UN Sustainable Development Goals (SDG’s), we need a **Data Revolution** that empowers everyone to act.

We need tools to measure the world’s progress in achieving these goals.

World Data Lab harnesses the power of big data to help make everyone count, and leave no one behind.
inspiration
THE START OF DIGITAL TRANSFORMATION
Financial Inclusivity: Mpesa

- 42% of Kenya GDP ($70 billion) Transacted on M-pesa
- 26.6 Million Registered Mpesa Customers
- 16 million transactions happen on M-PESA every day.
- M-Shwari and KCB M-PESA
- 75 per cent of adult Kenyans have a financial account, with 71 per cent of women owning financial accounts – Brookings Institute (2017).
Energy Inclusivity: M-Kopa

• More than 500,000 households connected as of March 2017.
• Connecting 500 homes every day
• Over 62.5 million hours of kerosene free lighting per month enjoyed by M-KOPA Households
• More than 1 million mobile money transactions generated per month
• More than 50,000 solar TVs acquired by M-KOPA Customers
• Over 250,000 credit scores generated in Kenya, 92% of theme being positive. This enables customers to access credit from M-KOPA and other institutions.
• M-KOPA customers have upgraded to more than 150,000 assets such as water tanks, energy-efficient cooking stoves and smartphones.
Mobile Healthy and Inclusivity: Mtiba

- More than 660,000 Kenyans now save on M-Tiba enabling them to access life-saving treatment at more than 400 facilities whenever they feel unwell
- M-Tiba has paid out more than Sh 126.8 million to customers over more than 83,000 clinic visits
- More than Sh 7.8 million saved on M-Tiba by March 2017
Bank & Mobile Money Distribution in Nairobi

SUBNATIONAL DATA

BANK BRANCHES
MONEY AGENTS

MOBILE DATA
# A new approach

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<tr>
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<th>Traditional approach</th>
<th>WDL approach</th>
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<tr>
<td><strong>Timeliness</strong></td>
<td>4 years old (narrative of rapid poverty reduction)</td>
<td>Real-time (poverty in 2016 may have increased)</td>
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<td><strong>Direction of analysis</strong></td>
<td>Past (Stating the obvious)</td>
<td>Present and Future (focus on progress and benchmarking against needs)</td>
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<td><strong>Unit of analysis</strong></td>
<td>Percentages</td>
<td>Actuals</td>
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<td><strong>Modelling</strong></td>
<td>Economic, mainly linear</td>
<td>Integrated economic, demographic, climate in consistent shared socio-economic pathways</td>
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<td><strong>Communication</strong></td>
<td>General messages for a small number of experts</td>
<td>Focus on raising awareness at global level and sub-national data for policy makers in countries</td>
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<td><strong>Illustration</strong></td>
<td>[In Mali] “between 2001 and 2010, GDP growth averaged 5.7% per year. During the period, the GINI index fell 7 points. The income of the bottom 40 grew, while the mean contracted.” (World Bank, GMR 2016)</td>
<td>Today, Kenya has 10.9M poor people. If Kenya keeps reducing poverty at the expected rate, there will be 4.4M Kenyans in extreme poverty in 2030. It needs to double the rate of poverty reduction.</td>
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The World Poverty Clock
Kenya will make progress but, **not end extreme Poverty by 2030**
first sub-national poverty model