

WB experiences building drought resilience: lessons from Southern Africa

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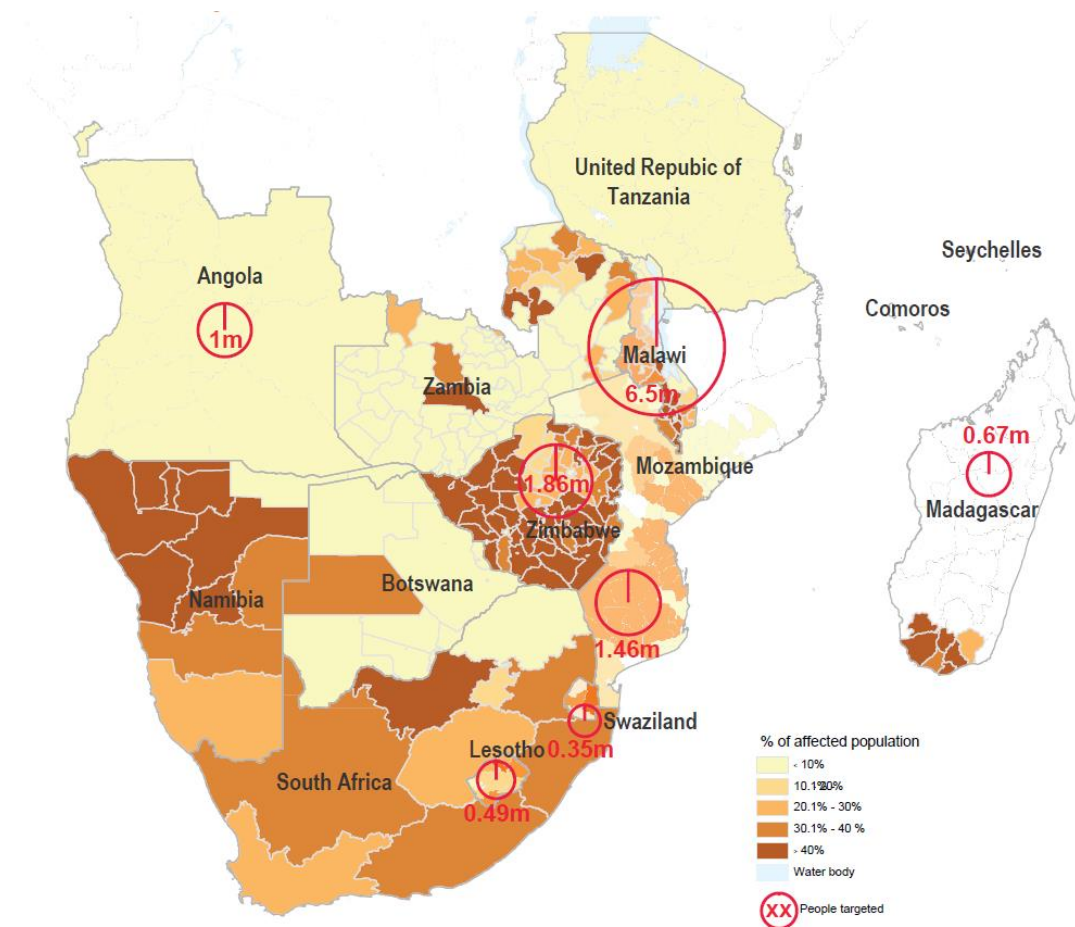
Drought impacts



Regional Context: 2015/16 El Niño Event

- Severe impacts of 2015/16 El Niño weather event in Southern Africa: **worst drought in 35 years.**
- **32.3 million people estimated to be food insecure** between June 2016 and March 2017.
- Increased levels of **malnutrition**, reduced **water access**, high **school drop-out** rates, increased incidence of **communicable diseases** and **rural-to-urban migration**.
- Regional cereal deficit puts upward **pressure on market prices**
- Countries with most severe humanitarian impacts: Angola, Lesotho, Madagascar, Malawi, Mozambique, Swaziland, and Zimbabwe.

2015/15 DROUGHT AND FOOD INSECURITY CRISIS



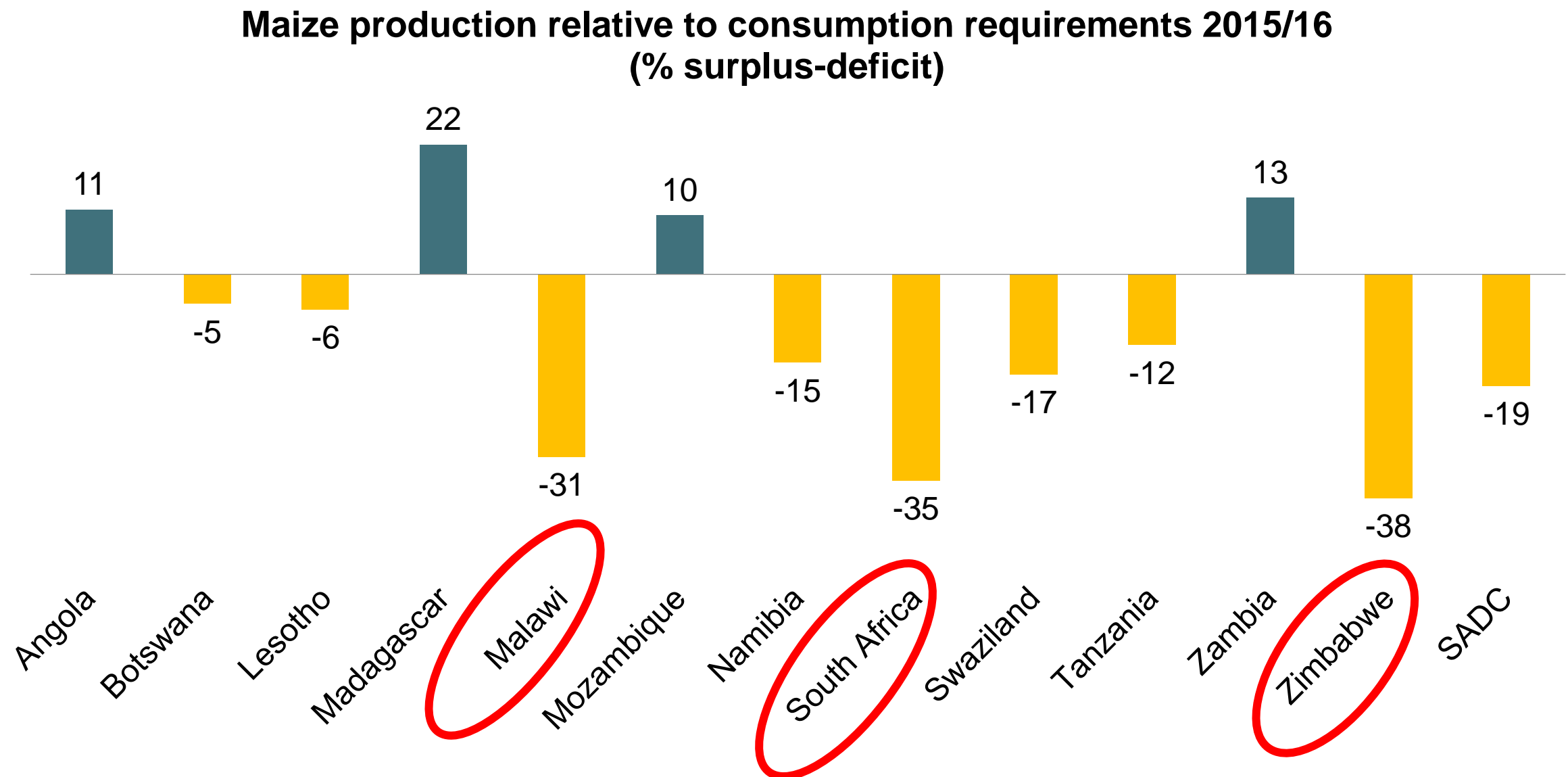
Economic impact is multifaceted

- Reduced bulk water supply and energy output (utility fiscal sustainability)
- Knock-on impacts on industrial output
- Reduced agricultural output and exports (crops and livestock)
- *Longer term effects:* reduced ag outputs and trade



Quantifying impacts of reduced maize output

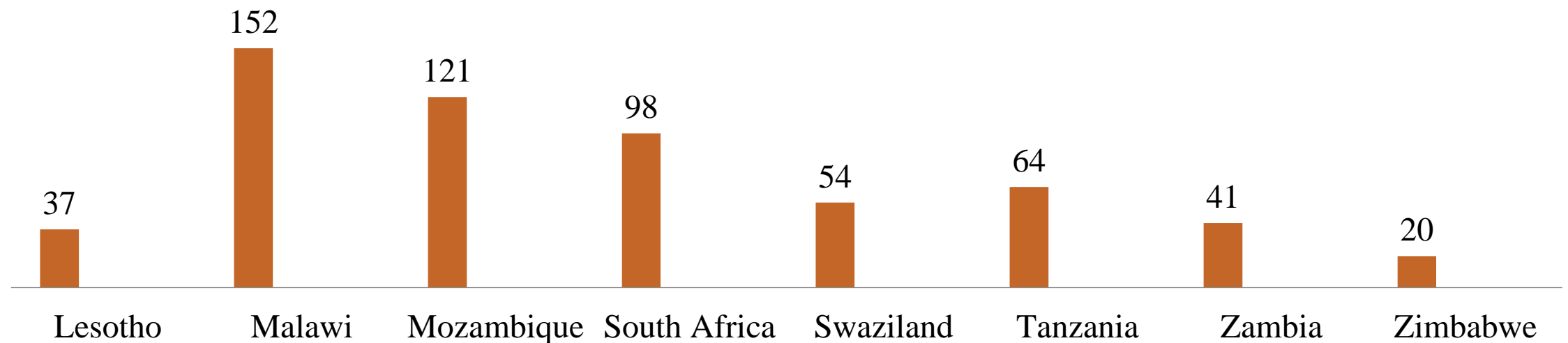
- World Bank LINKAGE CGE model
- Uses projected USDA maize production estimates for 2015/2016 *as of May, 2016*



Maize Price Volatility

- Not just declining production – price matters too
- 6 Botswana, Lesotho, Namibia import more than 50% (even in normal years)
- Swaziland and Zimbabwe projected to import more than 50% in 2015/16
- Non-food inflation / currency depreciation also plays a role
- Global supply of white maize has structural limits, even more so for non-GMO

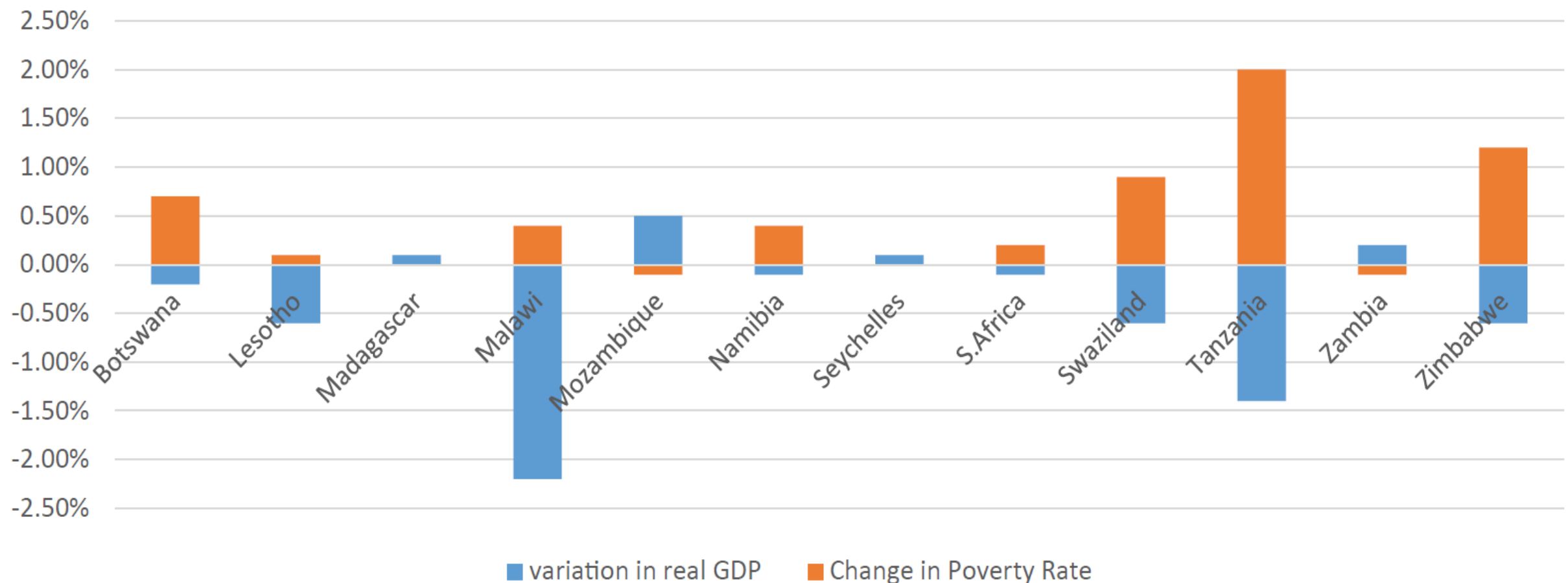
Year on year percentage white maize price increase (2015-2016)



Simulating macro-economic impact of reduced maize output

- Impact of El Nino – **0.1% of SADC GDP**
- Model predicts Malawi, Tanzania, Zimbabwe, Lesotho and Swaziland most affected
- **1.4 million people** could fall into poverty
- **Consumption** by bottom 40% **could contract by 1.7%**

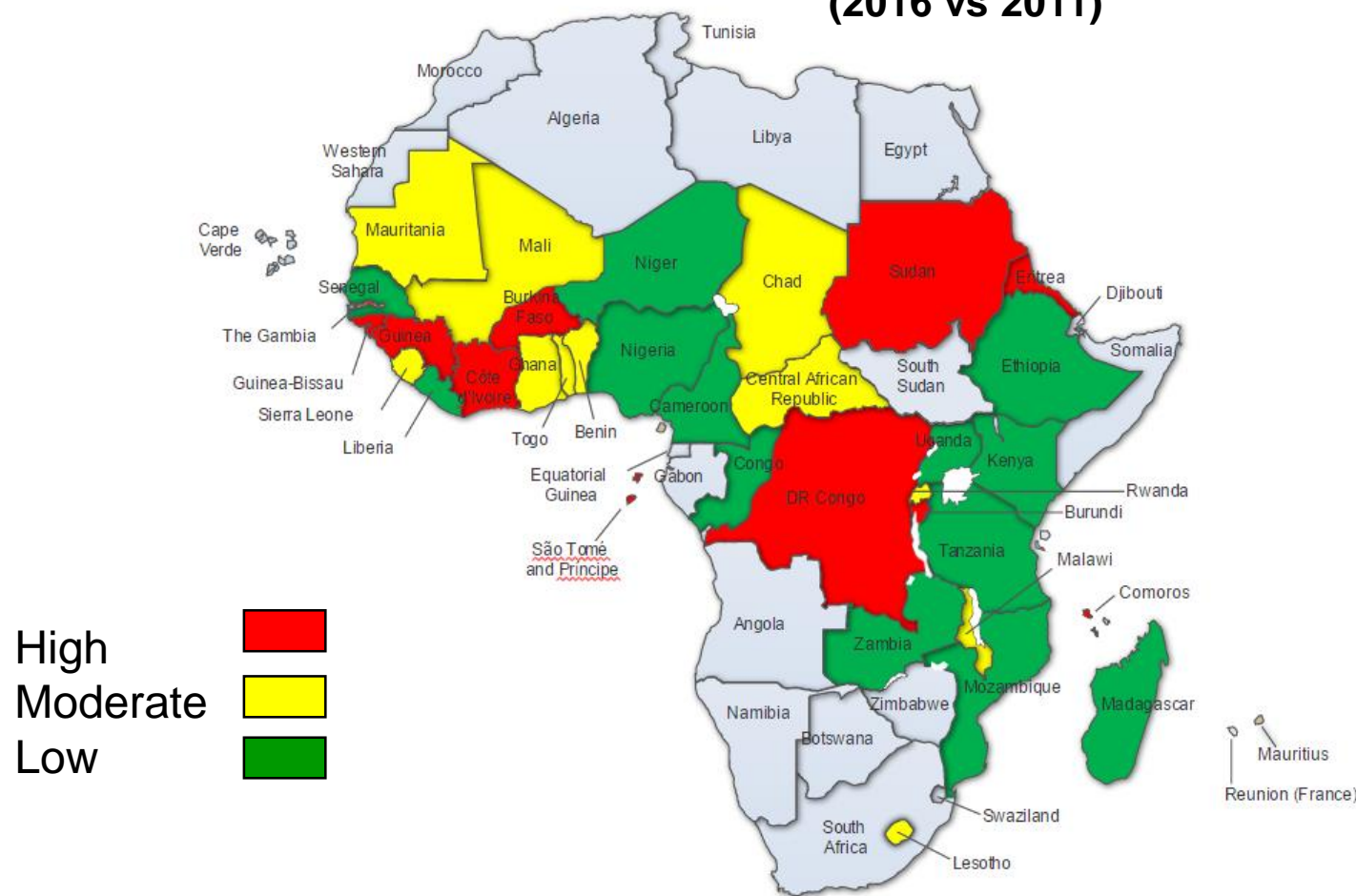
Model simulation: projected impact of reduced maize output on GDP/Poverty in SADC countries



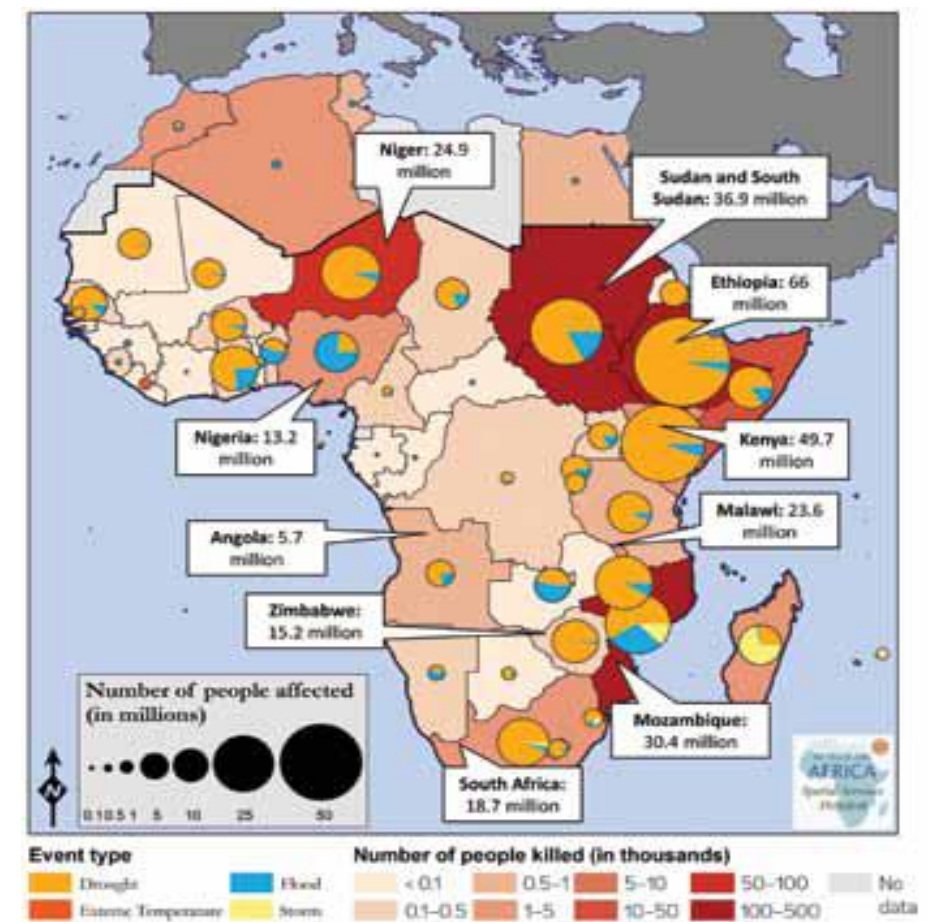
Policy choices continue to weaken capacity to manage shocks

- Lessons from previous shocks still challenging to implement
 - Lack of fiscal buffers
 - Maize mono-cropping makes Southern Africa uniquely exposed to drought
 - Lack of clear and consistent trade policies
- Some progress on government safety-nets
- Crisis presents window of opportunity to address these challenges and join efforts to make them a permanent part of public policy, budgetary decision-making, and public financial management

**Risk of debt distress
(2016 vs 2011)**



**Climate-Related disasters in SSA
(1971-2012)**



Risk management options: macro-meso-micro level

Fiscal buffers

- Counter-cyclical macro policies
- Contingency funds
- Sovereign Risk insurance
- Better budget execution and reallocation mechanisms

Resilient production systems and markets

- On-farm diversification & productivity (seeds, inputs, awareness)
- Phase out pro-maize policies (price controls, input subsidies)
- Modernize strategic grain storage ops and management
- Market based hedging (in lieu of trade restrictions)
- Micro-level PPP insurance

Social protection

- Integrate humanitarian relief with national safety nets
- Integrated beneficiaries registry
- Provide food but also seeds/inputs for next season
- Cash transfer where possible
- Build shock responsive safety-nets
- PPP index based insurance

WBG response



WBG response operations

Southern Africa

Lesotho	\$20 million
Madagascar	\$20 million
Malawi	\$190 million
Mozambique	\$45 million

Total \$275 million



WBG response in Lesotho

Criteria:

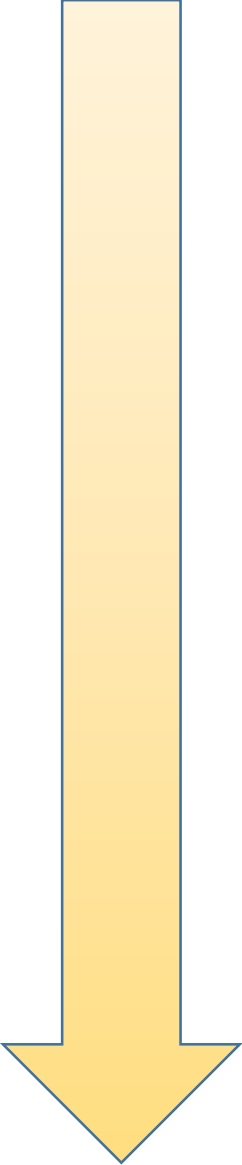
- Fiscal liquidity
- Efficiency and selectivity
- Combine short-term support with long term resilience building

Two entry points: Social Assistance Project & Smallholder Ag Dev Project **but not** Water Lowlands

Fiscal liquidity	<ul style="list-style-type: none">• Contingent Emergency Response Component to Social Assistance Project – budget liquidity• TA to mitigate risks/enhance effectiveness of food subsidy (with FAO and WFP)
Recovery and resilience investments (TA and financing)	<ul style="list-style-type: none">• Agricultural seeds and emergency packs (with IFAD and FAO)• Rehabilitation of small water retention structures• Strengthening DRM capacity (on-going TA with WFP)
Government safety net programs (TA and financing)	<ul style="list-style-type: none">• Cash transfers (SAP DLIs)• Single registry, getter administration• Developing scalability mechanisms to make safety nets crisis-responsive <p>Key partners: UNICEF, WFP, EU, USAID</p>

Lesotho: strategic, selective, but also slow



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- **Dec 2015 : Declaration of Emergency**
 - Feb 2016 – CMU identification of no regrets interventions / CERCs
 - **May 2016 – CRW: official GoL request for WB support**
 - June 2016 – WB Initial scoping mission (CERC, CRW, TA)
 - Sept 2017 – WB CRW preparation mission
 - Oct 2016 – CRW Sub-Regional Technical Board Briefing.
 - **Dec 2016 – CRW: Board approval (\$20m AF for Social Assistance Project)**

Lessons learned



Early warning – early action...

Three things needed to change the paradigm of disaster response:

1. Better use of **early warning**
2. Better planning of **early action**
 - Contingency planning based on analysis of when/how drought impacts crops, people and animals.
 - Some countries have made advances, but no global approach
 - Need to coordinate across sectors: national, local, humanitarian development and private sector

every \$1_{spent}
before a drought
saves **\$5**
in **post-disaster**
spending

... early financing

3. Pre-arrange and pre-negotiate early financing

COORDINATED PLAN for post-disaster action agreed in advance

Fast, evidence-based DECISION-MAKING PROCESS

PRE-PLANNED FINANCING to ensure plan can be implemented

- Ensures funds are available quickly when—and only when—they are required
- Binds partners to pre-agreed objectives, decision processes, and implementation modalities
- Promotes greater discipline, transparency, and predictability in post-disaster spending
- Ensures rapid mobilization of funds, reducing humanitarian costs and potentially saving money

Joining efforts: humanitarian and development actors must work together

- **Development actors have a key role**
 - Need to shift away from focus on response
 - Crucial to address root causes of vulnerability
 - Leverage ability to package and mobilize financing with knowledge, investment, and convening services
- Need to move toward a **new business model**
 - Emphasizes preparedness based on national response systems
 - Builds on better data, more planning, and innovative financial and operational instruments
 - Focuses on collective, long-term outcomes—based on comparative advantages.

In the case of Southern Africa...

Joined up humanitarian-development action

De-risking private sector

Humanitarian grain imports: Need quick and clear signals

Toward harmonized shock responsive and financed safety-nets

- Sound **data for planning**
- Structure interventions based on **comparative advantages** and request funding from donors/partners jointly
- New business model must be based on **pre-arranged financing**, coordinated **contingency plans**, joint commitment to **build government capacity**
- **Traders and millers** in best position to import maize
- **Existing risks**: non-payment risks, uncertain import/export bans, GMO policies
- Promote use of **market-based supply/price risk management solutions**, particularly for imports through SA
- **Pre-plan & pre-finance**
- Uncertainty about govt/donor/humanitarian interventions increases costs and supply chain risks
- **Importing maize perpetuates distortions**: need clear evidence of bottlenecks
- **Cash, vouchers** to be preferred where possible
- **Evaluate** what households are actually consuming during crisis
- Collectively support governments build **single registry of beneficiaries**
- Use objective data to **pre-define triggers** for scaling up
- Ensure **sustainable financing** (regular budget combined with risk financing solutions)

Implications for CMUs – building more dynamically integrated portfolios

