Session X:
The 2016 ReNAPRI Outlook on Maize, Wheat, Rice, and Sugar

Session Moderator:
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ReNAPRI – CEPPAG, Mozambique
Baseline Assumptions

• Stable weather conditions – removes volatility

• Current policies remain in place – status quo remains
  – Trade policies -> absence of trade controls unless already implemented
  – Producer support / subsidies
  – Government procurement policies

• Oil price increasing from $39 in 2016 to $73 by 2020
Baseline assumptions: Growth

Growth in real GDP: Outlook vs. Past Decade

### Total
- **DRC**: Past Decade: 7%, Outlook: 3%
- **Kenya**: Past Decade: 5%, Outlook: 3%
- **Malawi**: Past Decade: 5%, Outlook: 3%
- **Mozambique**: Past Decade: 5%, Outlook: 3%
- **South Africa**: Past Decade: 5%, Outlook: 3%
- **Tanzania**: Past Decade: 7%, Outlook: 3%
- **Uganda**: Past Decade: 7%, Outlook: 3%
- **Zambia**: Past Decade: 7%, Outlook: 3%
- **Zimbabwe**: Past Decade: 7%, Outlook: 3%

### Per Capita
- **DRC**: Past Decade: 3%, Outlook: -3%
- **Kenya**: Past Decade: 3%, Outlook: -3%
- **Malawi**: Past Decade: 3%, Outlook: -3%
- **Mozambique**: Past Decade: 3%, Outlook: -3%
- **South Africa**: Past Decade: 3%, Outlook: -3%
- **Tanzania**: Past Decade: 3%, Outlook: -3%
- **Uganda**: Past Decade: 3%, Outlook: -3%
- **Zambia**: Past Decade: 3%, Outlook: -3%
- **Zimbabwe**: Past Decade: 3%, Outlook: -3%
Baseline Assumptions: Growth

• Growth slowing in the coming decade relative to the past – particularly on a per capita basis

• Past decade growth underpinned by three main factors
  – Improved business and macro-economic environment
  – High commodity prices
  – Accommodative financial conditions globally

• External factors less supportive going forward
## Baseline Assumptions: Exchange Rate

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<tbody>
<tr>
<td></td>
<td>2005</td>
<td>2015</td>
<td>2016</td>
<td>2020</td>
<td>Percent</td>
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<td>South Africa</td>
<td>6.36</td>
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<td>75.55</td>
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<td>104.00</td>
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<td>Zambia</td>
<td>4.46</td>
<td>8.64</td>
<td>10.34</td>
<td>10.87</td>
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<td>Tanzania</td>
<td>1128.93</td>
<td>2004.63</td>
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<td>Malawi</td>
<td>118.42</td>
<td>497.49</td>
<td>720.00</td>
<td>809.14</td>
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<td>Mozambique</td>
<td>23.06</td>
<td>39.46</td>
<td>61.20</td>
<td>73.83</td>
<td>1.80%</td>
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<tr>
<td>DRC</td>
<td>473.91</td>
<td>930.00</td>
<td>960.00</td>
<td>1044.00</td>
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<tr>
<td>Uganda</td>
<td>1780.67</td>
<td>3235.47</td>
<td>3384.00</td>
<td>3680.10</td>
<td>2.59%</td>
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Demand: Maize

Food Demand: 4.6 Mt additional maize by 2020
Baseline Assumptions: Population Growth

Population Growth to 2020

- Zimbabwe (14%)
- Zambia (16%)
- Uganda (16%)
- Tanzania (10%)
- South Africa (9%)
- Mozambique (14%)
- Malawi (15%)
- Kenya (15%)
- DRC (16%)

Source: International Monetary Fund (IMF)
Significant growth in food use


Maize (9 countries) = 4.6Mt
Wheat (4 countries) = 1.4Mt
Regional Maize Consumption

Feed consumption

Million tons

Total Regional Feed Consumption
South Africa


South Africa
Maize Outlook

Production, Trade and Prices

- Kenya
- Tanzania
- Uganda
- Malawi
- Mozambique
- South Africa
- Zambia
- Zimbabwe
- DRC
Maize – Regional Overview

![Graph showing maize consumption, production, and net trade from 2004 to 2020. The graph highlights a significant increase in production and consumption, with a notable dip in consumption and production between 2014 and 2016. The different colored bars represent consumption for other & losses, feed, food, production, and net trade.](image)

- Consumption - Other & losses
- Consumption - Feed
- Consumption - Food
- Production
- Net trade
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<tbody>
<tr>
<td></td>
<td>Area Expansion</td>
<td>Yield Growth</td>
<td>Area Expansion</td>
<td>Yield Growth</td>
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<tr>
<td>South Africa</td>
<td>-1.5%</td>
<td>2.4%</td>
<td>-0.25%</td>
<td>8.52%</td>
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<td>Zambia</td>
<td>6.1%</td>
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<td>1.58%</td>
<td>5.13%</td>
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<tr>
<td>Kenya</td>
<td>2.6%</td>
<td>0.7%</td>
<td>1.96%</td>
<td>1.27%</td>
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<tr>
<td>Tanzania</td>
<td>5.4%</td>
<td>2.5%</td>
<td>1.26%</td>
<td>2.89%</td>
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<tr>
<td>Malawi</td>
<td>-0.3%</td>
<td>2.2%</td>
<td>-0.16%</td>
<td>6.94%</td>
</tr>
<tr>
<td>Mozambique</td>
<td>0.7%</td>
<td>-0.4%</td>
<td>3.65%</td>
<td>3.98%</td>
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<tr>
<td>DRC</td>
<td>1.6%</td>
<td>0.1%</td>
<td>3.01%</td>
<td>0.29%</td>
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<tr>
<td>Uganda</td>
<td>3.8%</td>
<td>5%</td>
<td>2.32%</td>
<td>2.72%</td>
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<tr>
<td>Zimbabwe</td>
<td>-0.5%</td>
<td>-1.7%</td>
<td>-0.80%</td>
<td>14.90%</td>
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Baseline Prices: Maize

World Price: US Gulf
South Africa: Ranfontein White
Zambia: Lusaka
Tanzania: Arusha
Mozambique: Maputo
DRC: Kisingani
Kenya: Nairobi
Malawi: Lilongwe
Uganda: Kampala
Zimbabwe: Harare
Wheat Outlook

- Kenya
- Tanzania
- South Africa
- Zambia
Wheat Overview: KEN, TZA, ZAF, ZAM

- Consumption - Feed
- Consumption - Food
- Production
- Net trade

Thousand tons


-6,000 -4,000 -2,000 0 2,000 4,000 6,000 8,000 10,000
## Wheat production growth

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<tbody>
<tr>
<td>South Africa</td>
<td>-5.4%</td>
<td>3.2%</td>
<td>-0.57%</td>
<td>4.44%</td>
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<tr>
<td>Zambia</td>
<td>7.1%</td>
<td>1.5%</td>
<td>3.83%</td>
<td>2.58%</td>
</tr>
<tr>
<td>Kenya</td>
<td>2.9%</td>
<td>1.8%</td>
<td>-0.10%</td>
<td>0.35%</td>
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<tr>
<td>Tanzania</td>
<td>5.2%</td>
<td>-0.6%</td>
<td>5.45%</td>
<td>12.98%</td>
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</tbody>
</table>
• Tanzania
Sugar Outlook

• South Africa
• Zambia
Baseline Prices – Sugar

USD / ton

- World, Carribean FOB
- South Africa
- Zambia
- EU, Avg Producer Price
Thank you!

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