Transforming Agriculture for Inclusive Growth & Sustainable Livelihoods

Conference Overview and Objectives

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Tegemeo Conference 2017:
Transforming Agriculture for Inclusive Growth & Sustainable Livelihoods
Kenya Institute of Curriculum Development, Nairobi
Introduction

Importance of Agriculture to the Kenyan Economy

Source: KNBS, 2017
Introduction…/2

• As a key component of the economic pillar of the Kenya Vision 2030,
  – The sector is a key driver of economic growth
• This can only be achieved if the Visions objectives are realized
  – Agricultural transformation for increased productivity & value
  – Highly commercial
  – Export oriented
• However, the sector has faced challenges
  – Growth not inclusive – Women, youth, vulnerable populations left behind
  – Ag transformation not yet a reality for many smallholder farmers
Key Challenges experienced in the Ag sector

- Low productivity
- Declining soil quality
- Crop pests and diseases
- Weak linkages btw research-extension-farmers
- Low technology uptake
- Credit
- Low market participation
- Declining land sizes
- Limited access to water for irrigation
- Climate change

Tegemeo continues to do research to address some of these challenges & inform on policy direction
Tegemeo Institute

• Tegemeo Institute is a Policy research Institute under Division of R&E of Egerton University
  — Established through Egerton University’s Statutes under the University Act, 2012 (no. 42 of 2012).
  — Policy research and analysis since 1990
    • Leading Centre in agricultural policy research
    • Reservoir of knowledge on rural livelihoods
    • Large network of collaborators/partners
Mandate
To conduct policy research and disseminate the findings in an objective manner

Vision
A people forever free from hunger and poverty

Mission
To conduct pro-active policy research and advocacy that enhance food security, create wealth and sustain the environment

Values
✓ Commitment to quality
✓ Integrity, transparency and accountability
✓ Teamwork
✓ Empowerment
✓ Consultation
**Tegemeo Institute’s Main Activities**

**Research:** To generate and promote evidence-based research to inform and influence policy direction on Kenya’s agricultural and rural sectors.

**Outreach – work with policy makers and other stakeholders to identify appropriate policy options**

**Monitoring and Evaluation:** to monitor changes in the Ag sector and assess impacts of alternative policies for Government, development partners and other stakeholders.

**Capacity Building:** seek to build capacity in data collection and management and policy analysis for public sector and other stakeholders.
Research Activities

• Studies to inform reform agenda (Early 90’s)
• Sub-sector studies (maize, tea, coffee, dairy, pyrethrum, horticulture)
• Regional Studies – competitiveness (maize, wheat, rice)
• Value Chain Analysis - maize, horticulture
• Food Security studies - consumption patterns, affordability of foods in urban areas
• Poverty studies
• Climate change
Broader questions for this conference

• How can the agricultural sector achieve this transformation?
  – Is the transformative agenda inclusive? How are women & youth affected?

• What type of support is required to achieve transformation?
  – Which groups, populations require this support?

• How is devolution of functions to County governments shaping the transformation agenda?

• How can we sustainably achieve transformation? What is required? What are the key challenges?
Government interventions….

• To address these challenges and transform smallholder agriculture, the government has launched a number of interventions
  – Input subsidy programs
  – Large scale Irrigation e.g. Galana-Kulalu scheme
  – Social protection
  – Innovations e.g. the e-Extension programme, mechanisation
  – Land reforms & policy
<table>
<thead>
<tr>
<th>Cropping Year</th>
<th>No of Respondents</th>
</tr>
</thead>
<tbody>
<tr>
<td>1999/00</td>
<td>1,428</td>
</tr>
<tr>
<td>2003/04</td>
<td>1,324</td>
</tr>
<tr>
<td>2006/07</td>
<td>1,275</td>
</tr>
<tr>
<td>2009/10</td>
<td>1,245</td>
</tr>
</tbody>
</table>
## Tegemeo Panel Sample

<table>
<thead>
<tr>
<th>Agro-regional zones</th>
<th>Counties/Districts</th>
<th>No. of households</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coastal lowlands</td>
<td>Kilifi, Kwale</td>
<td>74</td>
</tr>
<tr>
<td>High potential maize areas</td>
<td>Bungoma, Kakamega, Bomet, Nakuru, Narok, Trans-Nzoia and Uasin-gishu</td>
<td>331</td>
</tr>
<tr>
<td>Western lowlands</td>
<td>Kisumu and Siaya</td>
<td>149</td>
</tr>
<tr>
<td>Central Highlands</td>
<td>Meru, Nyeri and Muranga</td>
<td>241</td>
</tr>
<tr>
<td>Marginal Rain shadow</td>
<td>Laikipia</td>
<td>34</td>
</tr>
<tr>
<td>Western transitional</td>
<td>Bungoma (Kanduyi), Kakamega (Kabras/Mumias)</td>
<td>145</td>
</tr>
<tr>
<td>Eastern lowlands</td>
<td>TaitaTaveta, Kitui, Machakos and Makueni</td>
<td>141</td>
</tr>
<tr>
<td>Western Highlands</td>
<td>Kisii and Vihiga</td>
<td>128</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>1,243</strong></td>
</tr>
<tr>
<td>AEZ</td>
<td>No. of HH</td>
<td></td>
</tr>
<tr>
<td>------------------------</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>Coastal Lowlands</td>
<td>609</td>
<td></td>
</tr>
<tr>
<td>Lower Highlands</td>
<td>1,125</td>
<td></td>
</tr>
<tr>
<td>Lower Midland (1-2)</td>
<td>921</td>
<td></td>
</tr>
<tr>
<td>Lower Midlands (3-6)</td>
<td>1,082</td>
<td></td>
</tr>
<tr>
<td>Upper Highlands</td>
<td>698</td>
<td></td>
</tr>
<tr>
<td>Upper Midlands (0-1)</td>
<td>854</td>
<td></td>
</tr>
<tr>
<td>Upper Midlands (2-6)</td>
<td>1,223</td>
<td></td>
</tr>
</tbody>
</table>
## Population Based Surveys

<table>
<thead>
<tr>
<th>Zone</th>
<th>No. of HH</th>
<th>2013</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Rainfall Areas</td>
<td>1,875</td>
<td>1,175</td>
<td></td>
</tr>
<tr>
<td>Semi Arid Areas</td>
<td>750</td>
<td>1,650</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>2,625</td>
<td>2,825</td>
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The map on the right shows the distribution of areas surveyed across different regions, with markers indicating the number of households in each category.
Conference objectives

• Present our research findings to stakeholders and experts
  – Elicit debate & feed back from the participants

• Lay some background for a wider discussion on policy options/interventions
  – Transform smallholder agriculture
  – Effectively address poverty & wealth creation
  – Address food & nutrition security challenges
Tegemeo conference 2017

• Core theme: “Transforming Agriculture for Inclusive Growth and Sustainable Livelihoods”

• Sub-themes
  – Agricultural transformation under Devolution
  – Transformation and sustainable production systems
  – Productivity & Input use
  – Sustainable Livelihoods and Inclusivity in Agriculture
  – Consumption and Welfare
## Conference Program

<table>
<thead>
<tr>
<th></th>
<th>Day 1</th>
<th>Day 2</th>
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<tbody>
<tr>
<td><strong>Morning Session</strong></td>
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<tr>
<td>Session I: Opening</td>
<td></td>
<td>Session V: Recap of Day 1</td>
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<tr>
<td>Session II: Keynote Address: Agricultural transformation under Devolution</td>
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<td>Session VI: Sustainable Livelihoods and Inclusivity in Agriculture</td>
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<tr>
<td>Session III: Transformation and sustainable production systems</td>
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<td>Session VII: Consumption and Welfare</td>
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<tr>
<td>Lunch Break</td>
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<td>Session VIII: Panel Discussion</td>
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<tr>
<td><strong>Afternoon Session</strong></td>
<td></td>
<td>Lunch break and departure</td>
</tr>
<tr>
<td>Session IV: Productivity &amp; Input use</td>
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Acknowledgements

• On behalf of Tegemeo/MSU team, support from various organization and institutions are recognized
  – USAID for the support of the TAPRA program under which this research work falls. More specifically for their support in the collection of the rich panel data and maintenance of the same
  – Egerton University
  – Bill & Melinda Gates Foundation
  – Rockefeller Foundation
  – Government of Kenya
  – Universities
  – Private sector
  – Research organizations
  – Farmers & other stakeholders

• Most of all appreciation to you all for availing yourself today
We are looking forward to a very enlightening, stimulating and productive discussion today....so don’t go away!

Thank you