

AGRO 2023 CONFERENCE KEYNOTE SPEECH & PRESENTATION



CONTENTS



The Broader View

- Environmental Trends
- Societal Trends
- Economic Trends
- Key Factors of Growth for Kenya and Africa to Consider
- The future of Agriculture, Environment and Business (value chains)
- Harnessing Research and why it matters



THE BROADER VIEW

- A Safe and Sustainable Future
- Rising climate changes
- Diminishing natural resources
- Deepening inequalities
- Global conflicts
- Technology as enabler for Agricultural transformation
- Unlocking safer, smarter, and greener solutions
- Deploying and commercialization of sustainable technologies

ENVIRONMENTAL TRENDS

ACCELERATING GREENHOUSE GAS EMISSION

~~NATURAL RESOURCES: HUNGER + LIMITED SUPPLY~~

ESCALATING FRESHWATER STRESS

EXCESSIVE NUTRIENT RELEASE + SOIL

DEGRADATION

SOARING GLOBAL GARBAGE

SOCIETAL TRENDS

WORLD IS GETTING CROWDED 7B TO 9.6B BY 2050 + 98% OF NEW POP IN AFRICA

MORE PEOPLE MOVING TO CITIES – FARMLANDS UNATTENDED

EMERGING URBAN TIME BOMBS- POVERTY, CONFLICT, CRIME, DISASTERS

HUNGER AMIDST ADEQUATE SUPPLY- 12% OF POPULATION OR 868M

HEALTH RISKS- DIABETES, HIV AIDS, COVID 19

INADEQUATE EDUCATION AND ILLITERACY

ECONOMIC TRENDS

SLOWING GROWTH AND PAINS +
MACROECONOMIC IMBALANCES + FISCAL
CRISIS

ECONOMIC GRAVITY SHIFT IS EAST AND SOUTH
WIDENING GAPS+ INCOME INEQUALITY
CONSUMPTION BEYOND LIMITS

FUTURE OF AGRICULTURE- MODERNIZATION ELECTRIFYING THE FUTURE- RENEWABLE ENERGIES EAST AFRICA COMMUNITY: THE NEXT EMERGING FRONTIER WITH KENYA AS A HUB ADAPTATION TO CHANGING CLIMATE

WHILE INDUSTRIALIZATION HAS BEEN THE MAJOR FORCE OF THE LAST 150 YEARS, SUSTAINABILITY IS THE PARADIGM SHIFT OF THIS ERA OF THE 21ST CENTURY.

WATER - CATCHMENT, RESTORATION, ACCESS TO HUMAN & LIVESTOCK

SMART CLIMATE & IRRIGATION-FED AGRICULTURE

END-TO-END & FARM -TO-FORK VALUE CHAINS



HARNESSING RESEARCH IN AGRICULTURE AND ENVIRONMENT FOR RESILIENT AND SUSTAINABLE FOOD SYSTEMS AND LIVELIHOOD

NO BUSINESS AS USUAL: WHAT IS THE WAY AHEAD?

PARADIGM & TRANSITION SHIFT

FACTORS TO CONSIDER

RESEARCH THAT FOCUSES ON LINKING AGRICULTURE TO:

ENVIRONMENTAL TRENDS

SOCIETAL TRENDS

ECONOMIC TRENDS



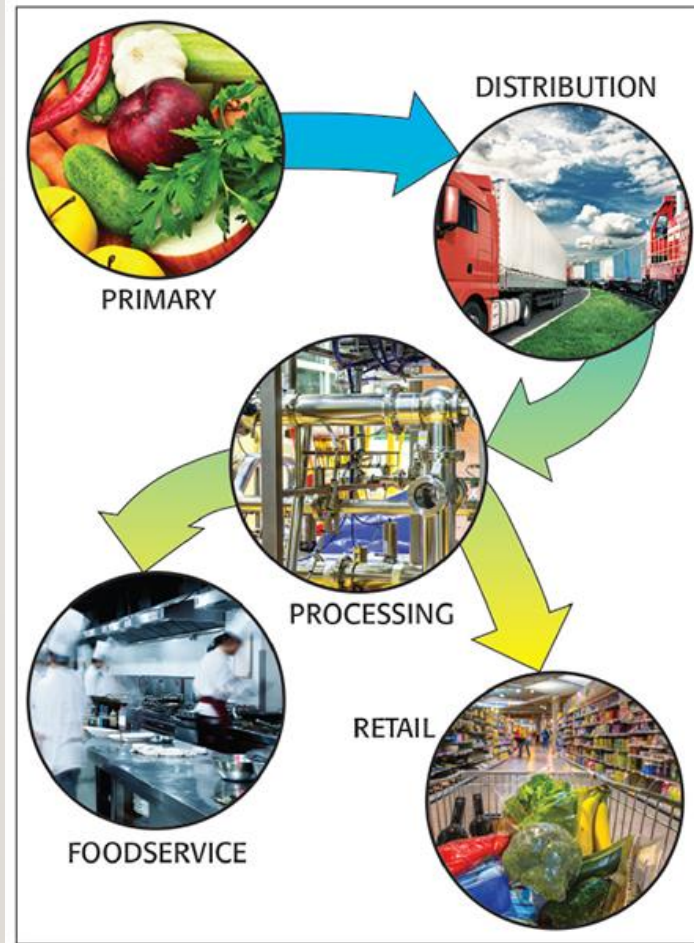
KEY FACTORS TO CONSIDER FOR AFRICA'S GROWTH

- DIET

- D- Development Partners (Diaspora community, Investments)
- I- Infrastructure (Good roads, Institutions of governance)
- Enabling Environment (respect of laws, regulations)
- Technology Transfer (smarter, safer, greener)

- DEPTH

- D- Diversification of Exports (consumer needs, value chain)
- E- Export Competitiveness (certifications and assurances)
- P- Productivity, 16-24 hour economy
- T- Technology, renewable energy, digital, automation
- H- Human Wellbeing, access to medicine and clinics



CONCLUSION: WHAT WILL MAKE AFRICA GREATER ?

- G R E A T E R

- ~~G- Good governance Systems and institutions~~

- R- Regional Integration

- E- Economic resource and value chain management

- A- Applied Technology, Transfer and Innovation

- T- Trade and Export be top PriorityThats why business and product certifications are Key.

- Environmental Sustainability

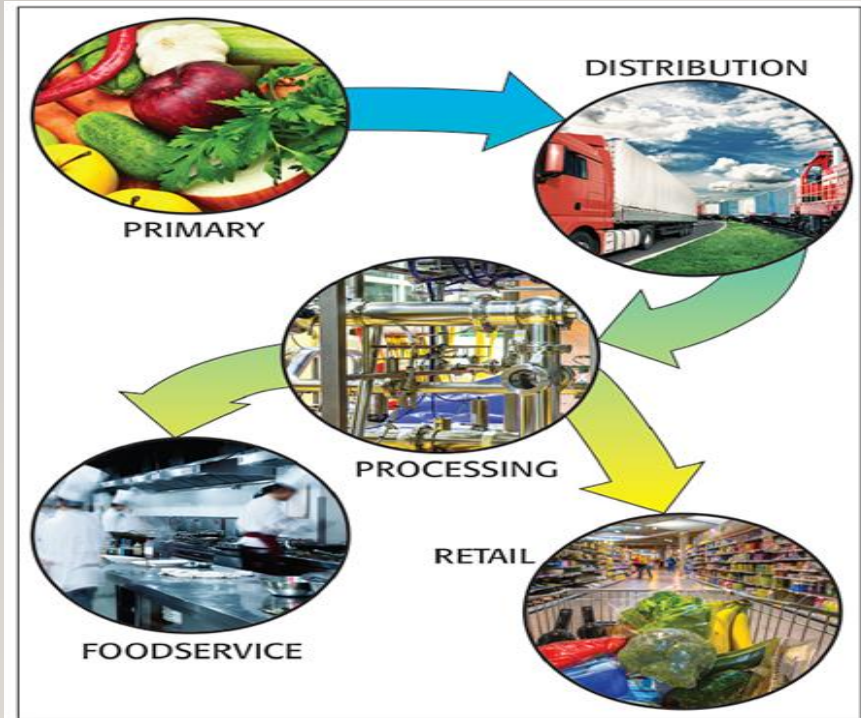
- Research that links Agriculture -Environment-Business for Enhancing Livelihood

REAT ?

s and product



KEYNOTE TOPIC & QA SESSION THANKYOU



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