

# Juncao technology for addressing Livestock Fodder and Ecological problems in Tanzania

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**Seminar on Juncao Technology Application for Climate Adaptation**

**Time: 18:30-20:00 (Beijing time)/ (UTC/GMT+08:00)**

**Dates: 11 April 2022**

**Venue: Zoom Conference**



# PRESENTATION OUTLINE

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1. Introduction
2. Challenges facing livestock production
3. Pastoral migration in Tanzania
4. Juncao grass production in Tanzania
5. Juncao grass, a livestock fodder
6. Government recommendation on Juncao grass....
7. Juncao grass, livestock, and CCA
8. Enabling environment
9. Conclusion

# 1. INTRODUCTION

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Tanzania accounts for about 1.4% of the global cattle population and 11% of African cattle population (FAO 2014).

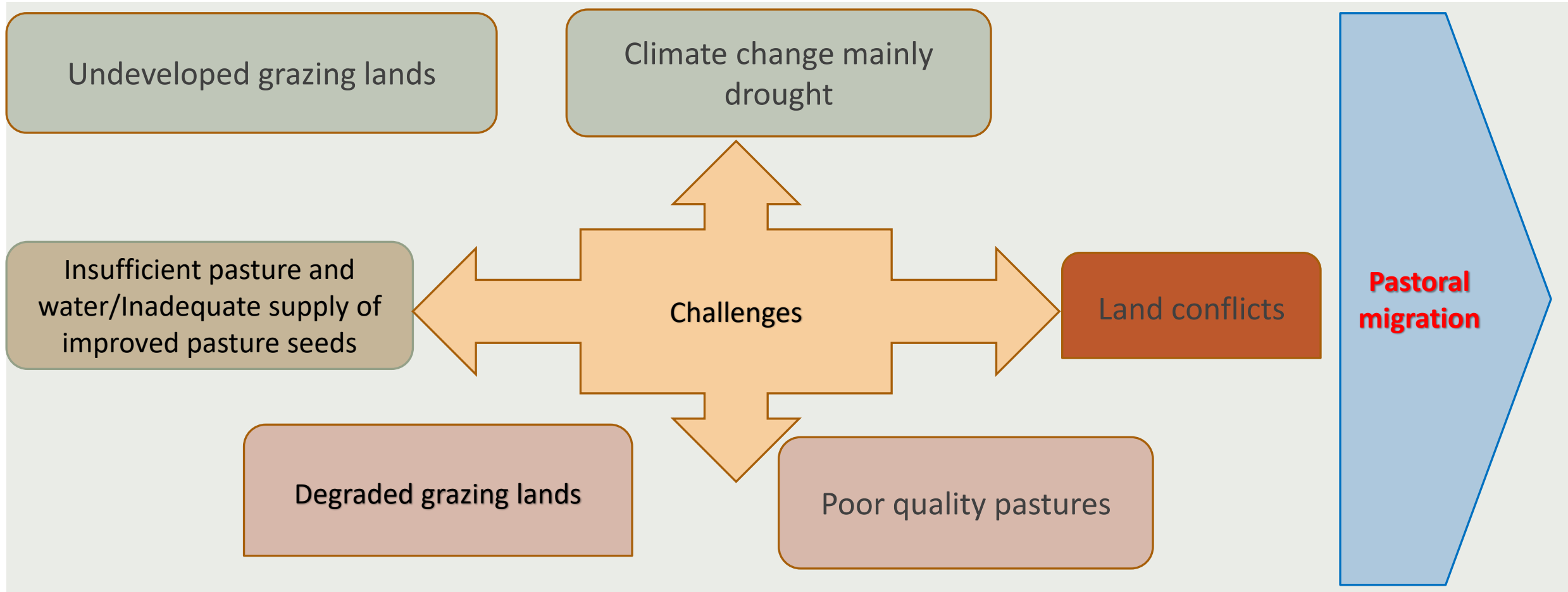
Tanzania is the second in cattle population in Africa (96.5% indigenous and 3.5% improved)

The country has many other outstanding natural resources to support livestock development

- extensive rangelands;
- diverse natural vegetation and its diversely resilient low
- production livestock breeds.

Regardless of these resources, the livestock sector is performing below its potential

## 2. CHALLENGES FACING LIVESTOCK PRODUCTION...



### 3. PASTORAL MIGRATION IN TANZANIA



# OTHER CHALLENGES...



Sea water intrusion



Overgrazing



Soil erosion

# 4. JUNCAO GRASS PRODUCTION IN TANZANIA



# 5. JUNCAO GRASS, A LIVESTOCK FODDER





# 6. GOVERNMENT RECOMMENDATION ON JUNCAO GRASS...

Guardian

## Govt finds solution for dying livestock due to the drought

By Guardian Correspondent

LIVESTOCK and Fisheries minister Mashimba Ndaki has said in order to fight the issue of dying livestock due to lack of fodder, they have come up with a solution – a new technology dubbed Juncao to be distributed to herders.

Ndaki made the remarks in Dar es Salaam yesterday when opening a meeting for discussing the Juncao technology that will soon start to be used by herders country-wide.

He said Tanzania wanted the technology to be used because they want to close a gap brought about by shortage of animal fodder.

He said they had asked for assistance from China and talks have reached at advanced stage in regard to being provided with the technology.

He said it would be re-

called that last year disaster struck in some areas of the country that saw livestock dying due to lack of fodder and water.

He added that the technology will help animal fodder producers to increase production as well as increasing the quality of livestock for more economic benefits.

Ndaki added that after the meeting, a process in procurement Chinese government permit will be made and believes that the process will be finalised within one month.

He said thereafter, they will begin providing education on Juncao technology to all stakeholders, universities, colleges and other government institutions, after which they will go to livestock keepers.

"We shall establish demonstration farms in each district to be used in providing education to livestock keep-

ers in areas where they are," he added.

He said the country's total livestock population is estimated at 67 million including cattle, goats, sheep and donkeys.

For his part, the Director for animal Feed Development and Food Resources in from the Livestock and Fisheries ministry, Dr Asimwe Rwigiza said they have met in order to get expertise to see how Juncao technology will help Tanzania in regard to the production of animal fodder including mushrooms.

"Juncao is a kind of grass fodder used by livestock and has been researched by the Chinese as it grows fast with high protein content.

"We have already planted the grass in our farm and have seen how fast the grass grows and one stalk produces many branches," said Dr Rwigiza.

## Serikali kuokoa bil. 33/- ujenzi wa viwanda 4 MSD

Mhondaji Mwanamizi Miradi ya Viwanda Robert ya Dawa (MSD), alidhi mweleke kwa wazazi wa bahari wakiteherleka kwanza cha dawa cha Idadi Makambuka ukimani Njauku kuhusu kuhitaji ujenzi zilizavyoendelea kwanza hapa.



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## Serikali yaja na suluhisho mifugo kufa kwa kukosa chakula

Na Betty Mrema, Dar es Salaam

Waziri wa Mifugo na Uvuvi, Mashimba Ndaki, amesema kuwa kuna kosa katika kufika kwa mifugo kwa kukosa chakula. Ndaki alisema kuwa kuna kosa katika kufika kwa mifugo kwa kukosa chakula. Ndaki alisema kuwa kuna kosa katika kufika kwa mifugo kwa kukosa chakula.

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## Serikali yajipanga malisho ya mifugo



Ephrahim Bahemu, Mwananchi

Dar es Salaam. Ili kukabili- ana na upungufu wa malisho ya mifugo, Serikali inatarajia kuanzisha mashamba 10 ya nyasi aina ya juncao katika kila wilaya nchini na baadaye kusambaza mbegu zake kwa wafugaji.

Waziri wa Mifugo na Uvuvi, Mashimba Ndaki amebainisha hilo kwenye warsha ya wadau wa kilimo waliojadili teknolojia hiyo mpya inayotajwa kuwapa suluhisho wafugaji wa nchini China.

"Tunataka kuziba pengo la malisho nchini, ndiyo maana tunaanzia teknolojia hii ili kuleta tija zaidi. Juncao yatasaidia yanapotekea mabadiliko ya hali ya hewa kama ukame na kusababisha kukosekana malisho," alisema.

Ndaki alisema Serikali imeomba fedha kutoka Shirika la Maendeleo la China (China Aid) ili kutekeleza mpango huo.

"Kwa sasa tuna mifugo milioni 67 inayojumuisha ng'ombe, kondoo, mbuzi na punda, idadi hii ni kubwa kuliko idadi ya watu na tunahitaji kuwa na ufugaji ambao mtu anaweza kufuga mifugo mingi katika eneo dogo, juncao itatusaidia," alisema Ndaki.

"Kwa sasa tuna mifugo milioni 67 inayojumuisha ng'ombe, kondoo, mbuzi na punda, idadi hii kubwa kuliko idadi ya watu. Juncao itasaidia kufuga kisasa." Ndaki.

# 7. JUNCAO GRASS, LIVESTOCK, AND CCA

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JUNCAO GRASS

- Minimize livestock pressure on land
- Restore degraded ecological systems
- Ameliorate salt affected farms (waste land to use one)

Climate Adaptation

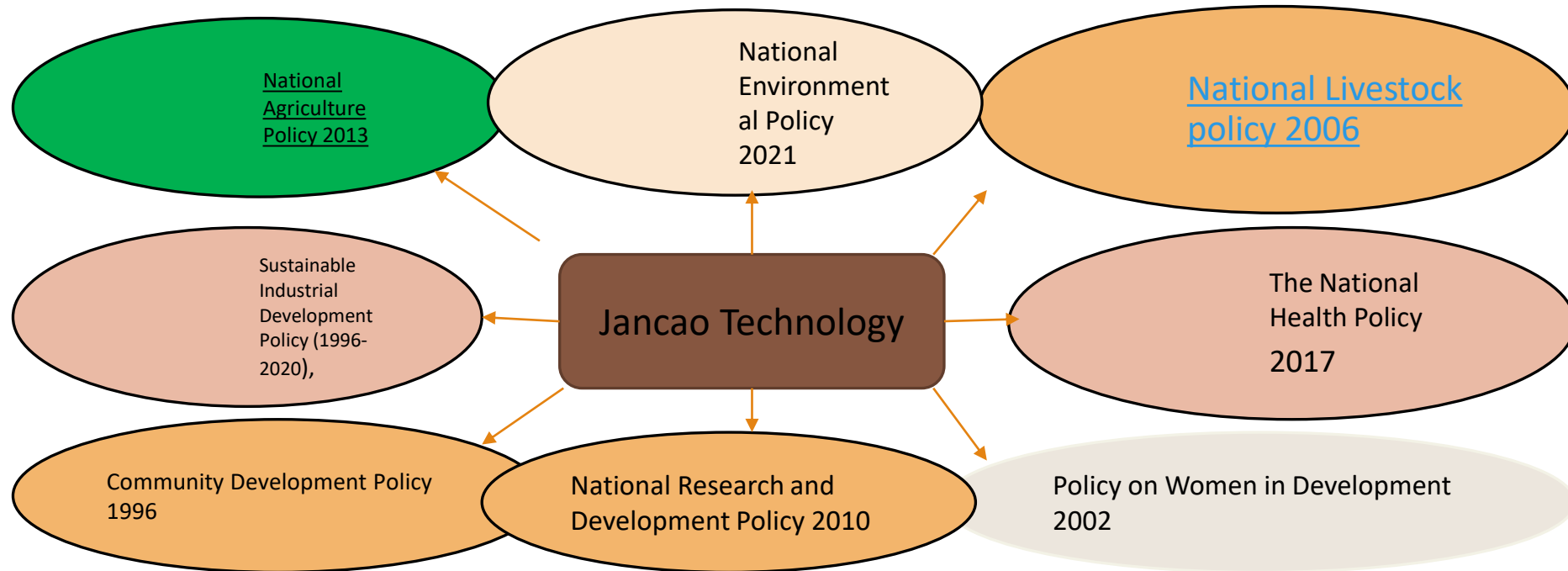
# 8. ENABLING ENVIRONMENT

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- Land
- Labor
- Political will
- Need for creation of job opportunities and income generation
- Local market and consumption potentials etc

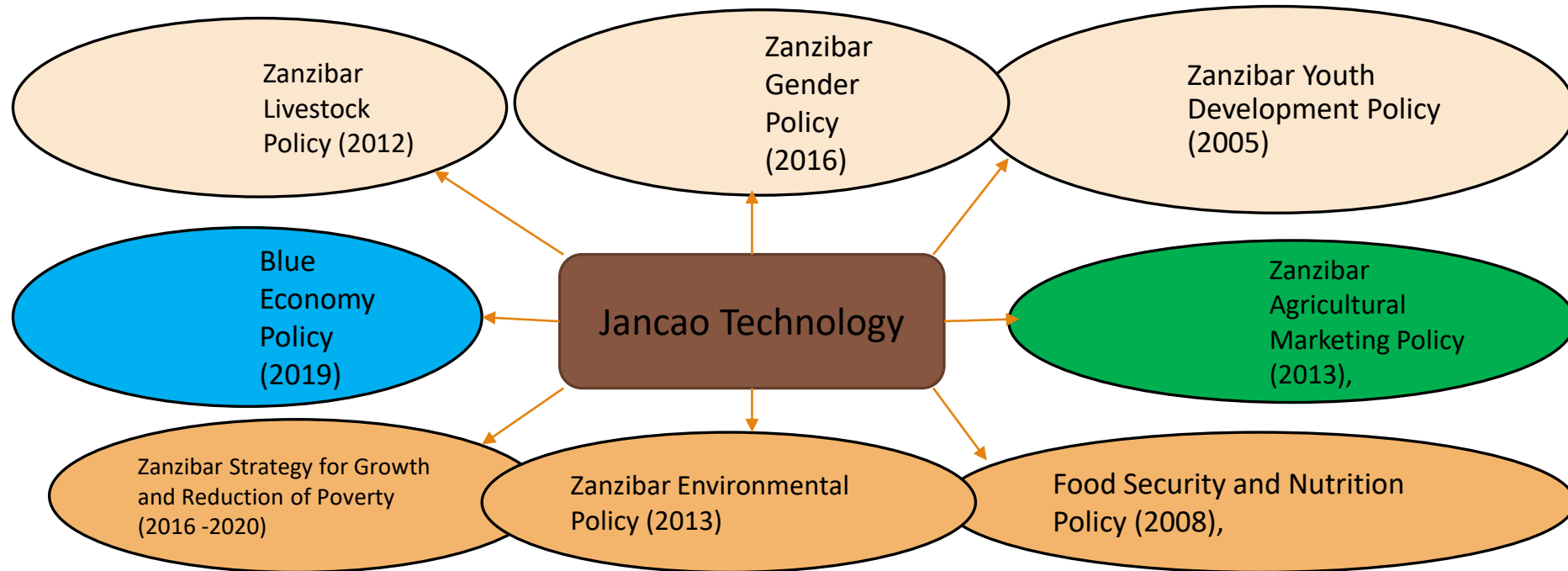
# 8. ENABLING ENVIRONMENT....

## Juncao Technology and Tz' Policies/Strategies



Juncao Technology is in line with Tanzania Foreign Policy, which focuses on economic diplomacy and active international engagement

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# 9. CONCLUSION

Tanzania is implementing Juncao technology projects to address issues which are related to livestock fodder and ecological restorations

Thank you

