



# The Joint XXIV IGC and XI IRC congress 2020

**3<sup>rd</sup>  
ANNOUNCEMENT**

Sustainable Use of Grassland  
and Rangeland Resources for  
Improved Livelihoods

**24<sup>th</sup> -30<sup>th</sup> October 2020**





## Invitation

The Organizing Committee of The Joint XXIV International Grassland and XI Rangeland Congress, on behalf of the Ministry of Agriculture, Livestock, Fisheries and Irrigation, the Animal Production Society of Kenya and Kenya Agricultural and Livestock Research Organization, cordially invites you to participate in the XXIV –IGC and XI-IRC joint Congress from October 24 to 30, 2020 at KICC, Nairobi Kenya.

The hosting of the first-ever joint congress in Africa is significant, as this region offers diverse and unique tropical savannah ecosystems, which are home to some of the most economically important grasses in the world and mesmerizing wildlife. This momentous event will highlight high tech (including ICT) technologies and enable the scientific community to deliberate on various advances made in the field of grassland and rangeland science and management.

Kenya has many exciting grassland and rangeland features, a competitive business environment, vibrant International Scientific Community and offers world class tourist destinations.

The Organizing Committee has spared no effort to ensure that the joint IGC-IRC congress will be an occasion for the delegates to create sustainable interactive scientific linkages and enjoy the cultural diversity and lasting warm hospitality of the Kenyan people.

We look forward to welcoming you to the Kenya 2020 joint Congress in Nairobi.

## Host



The Joint XXIV International Grassland and XI Rangeland Congress is hosted by three organizations.

The Ministry of Agriculture, Livestock, Fisheries and Irrigation (MALFI) has five State departments namely, Crop development, Livestock, Fisheries, Irrigation and Agricultural Research. The State Department of Livestock is responsible for grassland and rangeland development in Kenya. The Ministry recently organized the All Africa Conference on Animal Agriculture.





**The Animal Production Society of Kenya (APSK)** is a professional organization whose membership is drawn from government ministries, research institutions, universities, non-government organizations and the private sector. The objectives of the society are the provision of a common forum to exchange ideas, dissemination and adoption of animal production research findings and technologies, support to members in self-development in their professional disciplines, establishment and strengthening of regional and global linkages with relevant institutions, contribute to the development of animal production related policies, contribute to the animal production disciplines, undertake research and consultancies in animal production and advocate for and provide professional advice on the development of the livestock industry. The APSK is a member of All Africa Conference on Animal Agriculture, and holds annual scientific symposiums and exhibitions.



**Kenya Agricultural and Livestock Research Organization (KALRO)** is a corporate body created under the Kenya Agricultural and Livestock Research Act of 2013 with the mandate to promote, streamline, coordinate and regulate all aspects of research in agriculture and livestock development, and also promote the application of the research findings and technologies in the country. KALRO has a vast and experienced scientific establishment that has participated in the organization of many scientific conferences including KALRO biennial conferences and international conferences such as all Africa conference on Animal Agriculture.

## Venue

The congress will be held at **Kenyatta International Convention Centre (KICC)** which is situated in the central business district (CBD). Kenyatta International Convention Centre is a State Corporation established under the Tourism Act 2011 whose objective and purpose is to promote the business of Meetings, Incentives travel, Conferences and Exhibitions also known as MICE. Kenyatta International Convention Centre is the largest Convention Centre in Eastern Africa with the capacity to hold a large number of delegates.

The inaugural Ceremony will be held at the Tsavo ballroom, October 26, 2020 which is the largest room with a capacity to host over 4000 delegates. Kenyatta International Convention Centre boasts of state of the art all round facilities such as simultaneous interpretation Equipment (SIE) with the capability of translating up to 7 languages, a modern business center, banking facility, expansive grounds, ample and secure parking.



## Main Theme:

### “Sustainable Use of Grassland and Rangeland Resources for Improved Livelihoods.”

The Congress will be organized under seven-thematic areas of grassland, rangeland research and development with a balance between the people/social/policy and the more traditional topics. The seven thematic areas are:

1. Grassland/Rangeland Ecology.
2. Forage production and utilization.
3. Livestock production systems.
4. Wildlife, tourism and multi-facets of rangelands/grasslands.
5. Drought management and climate change.
6. Pastoralism, social, gender and policy issues.
7. Capacity building, Institutions and Innovations for Sustainable Development in Rangelands and Grasslands.

#### Theme 1: Grassland / rangeland ecology

- 1.1 Ecological site description and ecosystem classification.
- 1.2 Soil and watershed management, water supply, quality and riparian health.
- 1.3 Shrub encroachment, fire ecology, invasive species and pest management.
- 1.4 Monitoring of rangeland and grassland resources.
- 1.5 Sustainable Rangeland/grassland management and improvement.

#### Theme 2: Forage production and utilization

- 2.1 Genetic resources, forage development and management.
- 2.2 Grazing management practices and animal nutrition.
- 2.3 Challenges for sustainability of intensive high rainfall grasslands, sown pastures and turf.
- 2.4 Seed science and production systems.

### Theme 3: Livestock production systems

- 3.1 Intensive production systems (including small-holder dairy systems in tropics and subtropics).
- 3.2 Extensive production systems (including ranching, nomadism, and dairying).
- 3.3 Integrated systems (Agro-silvopastoral systems and crop-livestock interactions).

### Theme 4: Wildlife, tourism and multi-facets of rangeland/grassland

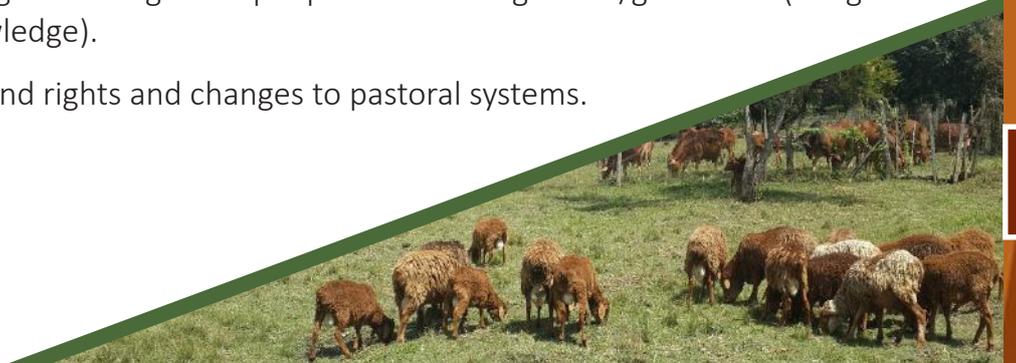
- 4.1 Wildlife management, conservation and tourism.
- 4.2 Privately owned or leased rangeland systems.
- 4.3 Biodiversity and ecosystem services of rangelands/grasslands.
- 4.4 Status, and trends in rangelands/grass lands and options in the future.
- 4.5 Competing Interests in rangelands: mining, fracking, ground water exploitation.

### Theme 5: Drought management and climate change in rangelands/ grasslands

- 5.1 Drought management for sustainable productivity.
- 5.2 Carbon sequestration.
- 5.3 GHG emissions from rangeland/grassland livestock systems.
- 5.4 Impacts on biodiversity, livestock and grazing systems.
- 5.5 Early warning systems and modelling future climate change in Arid and Semi-Arid Lands.

### Theme 6: Pastoralism, social, gender and policy issues

- 6.1 Cultural heritage and indigenous people's use of rangelands/grasslands (Indigenous Technical Knowledge).
- 6.2 Governance, land rights and changes to pastoral systems.



- 6.3 Social justice, gender and equity issues in rangelands/grasslands.
- 6.4 Livelihood diversification opportunities for pastoralists (crops, hand crafts, fishing, bee keeping, bio-fuels, silk, herbs, spices, wild fruit etc.).
- 6.5 Marketing infrastructure and systems in rangelands/grasslands.
- 6.6 Policy issues for rangelands/grasslands development.
- 6.7 Political instability and extremism: its impact on rangelands/grasslands management.

## Theme 7: Capacity, institutions and innovations for sustainable development in rangelands/grasslands

- 7.1 Emerging/trending issues in rangeland/ grassland science and education.
- 7.2 Extension and technology-transfer.
- 7.3 Green energy and Information Communication Technologies applications.
- 7.4 Rangelands/grasslands and the Sustainable Development Goals (SDGs).
- 7.5 Participatory approaches and innovations in the management of rangelands/grasslands.

### Programme Outline

The Scientific sessions will cover diverse and balanced aspects of grasslands and rangelands. A wide range of experts with vast research experience on grasslands will concretize recommendations on the uses of grassland and rangeland resources to meet the increasing competing demands for livestock, wildlife and commercial/industrial use in a tech world under a changing climate. Brief Programme outline:



# PROGRAM FOR JOINT IGC - IRC CONGRESS OCTOBER, 2020

18-23 Oct	Time	Sat 24th Oct.	Sun 25th Oct.	Mon 26th Oct.	Tue 27th Oct.	Wed 28th Oct.	Thu 29th Oct.	Fri 30th Oct.	Oct. 31st - Nov. 7th
	8.00- 9.30	Pastoralism and traditional knowledge Forum	Workshops	Opening session (Plenary)	PLENARY session (presentation + discussion)	<b>Mid-Congress</b>	PLENARY session (presentation + discussion)	Concurrent Session	
	9.30- 11.00	Pastoralism and traditional knowledge Forum	Workshops	Opening session ( <i>cont'd</i> ) & keynote speaker 1	Concurrent Session	<b>Mid-Congress</b>	Concurrent Session	Plenary Panel Discussions	
	<b>11.00 - 11.30</b>	<b>H E A L T H B R E A K</b>							
	11.30- 1.00	Workshops	Workshops & Registration	Keynote speakers 2 and 1 <sup>st</sup> Sub-theme speaker (Plenary)	Concurrent Session	<b>Mid-Congress</b>	Concurrent Session	Plenary Panel Discussions	
	<b>1.00 - 2.30</b>	<b>L U N C H B R E A K</b>							
	2.30- 4.00	Workshops	Workshops & Registration	Concurrent Session	Concurrent Session	<b>Mid-Congress</b>	Concurrent Session	IRC/IGC Business meetings	
	4.00- 5.30pm	Workshops	Workshops & Registration	Concurrent Session	Posters*	<b>Mid-Congress</b>	Posters*	Summary Papers & Closing	<b>Post - Congress Tours</b>
<b>Pre-Congress Tours</b>	7.00- 9.00pm	<b>WELCOME COCKTAIL</b>				<b>CULTURAL NIGHT</b>	<b>BANQUET</b>		
<b>* Posters shall be mounted from Monday - Friday however they will be manned by authors on Tuesday and Thursday at the indicated time</b>									



## PLENARY SPEAKERS

**Dr. Kathrine I. Johnsen**



**Grid-Arendal**

**Dr. Cacilda Borges Do Valle**



**Embrapa Beef Cattle**  
Brazilian enterprise for  
agriculture research

**Prof. Brandon Bestelmeyer**



**USDA Agricultural Research  
Service**

**Dr. John Caradus**



**Grasslanz Technology**

**Dr. Jimmy Smith**



**International Livestock  
Research Institute (ILRI)**

**Dr. John Waithaka**



**IUCN-World Commission on  
Protected areas (WCPA) for East and  
Southern Africa**

**Dr. Mark Howden**



**The Australian National  
University**

**Ms. Ghanimat Azhdari**



**Centre for Sustainable  
Development and Environment  
(Cenesta)**

**Dr. Jonathan Davies**



**International Union for  
Conservation of Nature**

## Submission of Abstracts

The congress publications sub-committee invites submission of abstracts and proposals for concurrent panel sessions. The abstracts will be submitted online and should follow guidelines as available on the website (<http://2020kenya-igc-irc.rangelandcongress.org/>). Submissions will not be accepted after the closing date.

### Submission Guidelines: General

Abstracts will be peer-reviewed and the selection criteria will include:

Relevance to the congress theme and sessions, significance of information and enriching current state of knowledge, originality and novelty, structure and clarity and scientific validity.

### Important Dates

<b>1st October 2019</b>	Deadline for submission of proposals for concurrent panel sessions.
<b>15th November 2019</b>	Deadline for submission of abstracts for poster or oral presentations
<b>30th April 2020</b>	Deadline for submission of full paper.

**The official language of the Congress is English.**

Abstracts and papers are submitted electronically through the congress website. The guidelines for the abstracts are downloadable from the website.

### Registration Information

Registration Fees Summary		
<b>Delegate Registration</b>	Early Bird (until April 30th 2020)	\$460 USD
	<b>Regular Rate (after April 30th 2020)</b>	\$540 USD
<b>Student Registration</b>	Early Bird (until April 30th 2020)	\$310 USD
	<b>Regular Rate (after April 30th 2020)</b>	\$360 USD
<b>Accompanying Persons</b>		\$ 310 USD
<b>Banquet (October 29<sup>th</sup> 2020)</b>	Delegates and accompanying persons wishing to attend the banquet on will need to purchase their banquet ticket at the time of registration	\$ 40 USD

**\*Students must provide a written verification of student status from department head or other university official.**



## Payment Details

All prices are in USD \$.

Online registration is through credit card- Visa and MasterCard.

Registration will be confirmed only after payment is received.

## Sponsorship

Organizations wishing to participate as sponsors may kindly fill the online sponsorship form on the website or contact [kenya2020-igc-irc@kalro.org](mailto:kenya2020-igc-irc@kalro.org) and [kenya2020igc@irc@gmail.com](mailto:kenya2020igc@irc@gmail.com)

Details of bank transfers are shown below.

## Bank Transfer

### Bank Details

**Bank:** National Bank of Kenya

**Branch:** Westlands

**Account Name:** International Grassland & International Rangeland NOC

**Account Number:** 02071205153300

**Currency:** USD

**Swift Code:** NBKEKENXXXX

**Bank Code:** 12

**Branch Code:** 035

## Accommodation

The organizers of the congress have deliberately identified a number of hotels that are within reasonable distance from the congress venue [Kenyatta International Convention Centre \(KICC\)](#). Some of these hotels are within walking distance from the venue while others are a short drive, if the traffic is good. There will be free shuttle buses to ferry delegates from the recommended hotels to the congress venue in the morning and in the evening. The organizers of the congress have negotiated special rates for IGC-IRC Kenya2020 delegates.

## Visa

Delegates should apply for a visa two months before the start of the congress as visa issued and not utilized within three months expire. It's important to find out if you need a visa to enter Kenya. Citizens of most countries will need a visa, however citizens of some countries will not require visa to enter Kenya. To find out which category you fall under and whether you can apply for a visa online, visit the [Kenya e-Citizen website](#).

## Tours

Three Pre-Congress Tours are available to delegates attending The Joint XXIV IGC and XI IRC congress 2020. Delegates can choose from tours of three, five and nine days in length. The nine day tour takes you to the spectacular [Ngorongoro Crater](#), the world's largest caldera, located in Tanzania

On Wednesday of Congress Week registered delegates (including student and accompanying persons) will be able to go on one of the thirteen different tours.

Persons accompanying delegates to The Joint XXIV IGC and XI IRC congress 2020 will also go on three different tours and one mid-congress tour. All the tour information is available on our website.





## Call for Pre-Congress workshops

Organizations who wish to present the workshops should submit their requests to the congress organizers. The organization sponsoring the workshop is responsible for all aspects of the workshop.

This will include the cost of the room rental, audio visual equipment and the complementary registration. Gold, platinum and diamond sponsors are entitled to the naming/conducting of a workshop. The pre-congress workshop request should be submitted before 25th June 2020.

## Call for exhibitions

The National organizing committee has planned for an information Market Place/Trade Show that will be strategically located in a short proximity to the flow of traffic during the congress and will be accessible to the congress participants for maximum exposure. Food courts, snack bars and Kenyan coffee/tea breaks facilities will be available within the congress convention complex. The aim of the market/trade show will be to showcase grassland and rangeland technologies, innovations, products and services. Congress sponsors will be offered free information booth space, depending upon level of sponsorship. The floor plan is available in the congress website. Reservation for tent space should be made to using congress email.

The exhibitors will include: seed companies, feed manufacturers, agrochemical firms, national and international research institutes, county and government institutions, international development organizations, ICT institutions, universities and other grassland and rangeland based enterprises. The final list of exhibitors will be published at congress website by September 2019.

This trade show and technical exhibitions will offer an excellent opportunity for expansion of networks and to purchase selected Kenyan artworks and cottage industry goods and souvenirs.

## Call for special meetings or group needs

Any group or persons who require meeting space during the congress are required to submit their request to the local arrangements committee using the congress email.





## About Kenya

Kenya is a country in East Africa, bordering the Indian Ocean in the south east. Neighboring countries are Ethiopia, Somalia, South Sudan, Tanzania, and Uganda.

Kenya's landscape varies from low plains near its coast at the Indian Ocean, to a fertile plateau in the western sub-humid highlands. The country's interior is dominated by the central highlands with the country's highest point Mount Kenya at 5,199 m.

The highlands are bisected by the Great Rift Valley, a large natural depression that runs through Kenya with a north to south orientation with fertile volcanic soils and contrasting physical features. The rest of the country is classified as tropical savanna grasslands/rangelands.

## Nairobi

Nairobi is the capital city of Kenya with a cosmopolitan population of over 3.2 million people. It is the only capital city in the world that has a national park. The park, located in natural tropical savanna grasslands is endowed with a rich variety of wildlife, making the city a unique tourist destination.

The city got its name from a Maasai phrase 'Enkare Nyorobi' meaning 'the place of cool waters'. Nairobi is the most populated city in East Africa and the fourth largest city in Africa.

It is also a home for many international organizations for research and development including the United Nations Environmental Program, UN Habitat, ILRI, WAC, CIAT, ICIPE, CIMMYT, along with International companies.

## Congress secretariat: Joint XXIV IGC and XI IRC

P.O. Box 57811- 00200, NAIROBI, Kenya,

**Email:** Kenya2020-igc-irc@kalro.org and kenya2020igc@irc@gmail.com

**Website:** <http://2020kenya-igc-irc.rangelandcongress.org/>

### For inquires please contact

kenya2020-igc-irc@kalro.org  
and kenya2020igc@irc@gmail.com

