

18-24 July 2022

Black Soldier Fly to the rescue

To offset the scarcity of access to fertilizer for agriculture, farmers in Uganda are increasingly turning to the keeping of BSF for the generation of frass which is used as manure.

- <https://windobi.com/uganda-small-farmers-recruit-black-soldier-fly-for-green-manure-global-issues/>

Sustainable aquatic food systems

The Norwegian Agency for Development Cooperation is funding a new initiative that aims to improve the sustainability of aquatic food systems in Sub-Saharan Africa by creating low-cost, highly nutritious aquatic feeds. *icipe* is a partner on the project led by WorldFish.

- <https://www.worldfishcenter.org/blog/developing-sustainable-aquatic-feeds-resilient-aquatic-food-systems-sub-saharan-africa>

Social Media

Elisabeth Herniou Retweeted
Loretta Mugo
@MugoLoretta

What fun presenting #ICE2022 in a very interesting symposium organized by #Tanga @icipe. Good representation of @insectdoctors group. 🦋🦋🦋🦋



6:49 PM · Jul 19, 2022 · Twitter for Android

Leleito Retweeted
NemAfrica
@NemAfrica

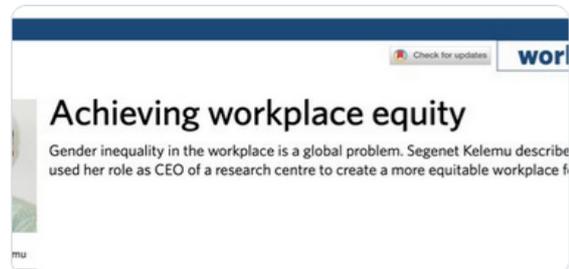
Increase the awareness of plant parasitic nematodes among farmers is the first step to prevent crop losses to nematodes! Workshop at PCB Learning event hosted by @IFDCGlobal #NematodeAwareness @NemAfrica @DannyCoyne6 @icipe @IITA_CGIAR



1:56 PM · Jul 21, 2022 · Twitter for iPhone

icipe
@icipe

@icipe Director General & CEO, Dr Segenet Kelemu, has outlined steps the Centre has taken to achieving a more equitable #workplace. Read the article here: nature.com/articles/s4156... #GenderEquity @Nature



4:37 PM · Jul 19, 2022 · Twitter Web App

Bioinformatics Hub of Kenya
@BioinfoHub_KE

To all our attendees, physical and virtual, without whom, none of this would be possible. Your time, willingness and curiosity made the seminar worthwhile. Big thank you



6:20 PM · Jul 22, 2022 · Twitter Web App

Caroline Njoki Retweeted

Bioinnovate Africa
@Bioinnovate

Our latest e-newsletter, Issue 11, for January to June 2022, can be accessed here: bioinnovate-africa.org/issue-11-june-...

To get updates about @Bioinnovate Africa, subscribe here: bit.ly/3yO3ImP
#bioeconomy #bioinnovations #EasternAfrica

ISSUE 11: January - June 2022

Bioinnovate Africa e-newsletter

Enhancing bioeconomy growth prospects in Eastern Africa

Bioinnovate Africa partners unveil new products

Between January and March 2022, Bioinnovate Africa supported project partners unveiled new bio-based products to the market, which also signalled a successful end of their respective Bioinnovate Africa project implementation and beginning of their enterprise growth journey. The products were developed through collaborations between scientists in the public and private sectors in Ethiopia, Kenya, Rwanda, Tanzania, and Uganda. The new products include:

Mutual food enriched with insect-based proteins. Mutual comprises new cricket enriched cookies and instant porridge flour in Kenya and Uganda. The partners involved in the development of the product include Makerere University, International Centre of Insect Physiology and Ecology (icipe), Agrarian Systems Limited, and Treasure Industries Limited (TIL).

Synamon, Atmi, and Joraku are new enterprises in Uganda, Ethiopia, and Tanzania, respectively that produce and market food nutritionally enhanced with sorghum and millet. The companies produce affordable multigrain snack, breakfast crunchies, quick cooking or instant porridge flour. The partners involved in the development of the products and establishment of the enterprises include Makerere University (Uganda), Hawassa University (Ethiopia), and Sokone University of Agriculture (Tanzania).

INSIDE THIS ISSUE

- icipe and Sida renew cooperation
- Cohort II of TEA online course successfully completed
- Launch of the 1st State of Bioeconomy in Eastern Africa Report
- The EAC adopts a new regional bioeconomy strategy
- Senior Research Advisor, Sida, Sweden meets Bioinnovate Africa team
- 13th and 14th Bioinnovate Africa Programme Advisory Committee meeting
- Sida delegates visit icipe
- icipe/Bioinnovate Africa call for concept notes for regional innovation collaboration projects in eastern Africa

Unique Etis are food nutritionally enhanced with orange-fleshed sweet potato (OFSP) puree. In Uganda the puree is produced by Lishe@Bioheat. The puree is used in making delicious Chapatis, bread, and mandazis. The partners involved in the development of the product include Euro Ingredients Limited (EIL) (Kenya) International Potato Center (CIP) (Kenya), Hawassa University (Ethiopia), and Makerere University (Uganda).

icipe and Sida

1:45 PM · Jul 18, 2022 · Twitter Web App

Green Your Waste
@KenyaAcres

Happy Sunday!...healing our soils, to increase crop yield, through composting organic waste, the way to go--greening our waste @rsaluoks @icipe @TakaTakaSol @StartNetwork



3:18 PM · Jul 24, 2022 · Twitter Web App

Ntirenganya Elie Retweeted

Liz Nganga
@LizNnganga

How can #Africa achieve #inclusiveinnovation?

Insights from @icipe by DG Segenet Kelemu. #SDGs #Agenda2063

Translate Tweet

THOUGHT LEADERSHIP COLUMN BY THE DIRECTOR GENERAL

TOWARDS INCLUSIVE INNOVATION
icipe offers evidence for a holistic, balanced and effective approach

Dr Segenet Kelemu
Director General, icipe

“ To achieve inclusive innovation, a strong evidence base is needed for a holistic and balanced approach that will enable policies and partnerships; involvement of all segments of society; cost-effective pathways; sufficient human, technical and financial resources; and supportive national, regional and global systems.

The concept of innovation is central to popular imagination. It conjures up images of radical, brilliant ideas that transform organisations and our world. Companies are fixated with it. It is the mantra of leaders; the emblem of modern society; a panacea for developmental problems; a phenomenon to be studied. Indeed, the ideology of innovation is central to the African Union Agenda 2063, and the United Nations and its 17 Sustainable Development Goals (SDGs).

Simply put, innovations are new or improved products and processes that have specific advantages for markets, industries and consumers. At their best, innovations should enhance the competitive advantage of nations, regions and corporations, while also contributing to social change and overall human progress.

However, innovation is not a unifying concept. Many innovations are large in scale, capital intensive and destructive to the environment. While some innovations refine and improve, others disrupt, destroy and make established competences obsolete. Innovations do not follow well-orchestrated pathways. In fact the linear model of innovation of the 1960s and 1970s, which suggests progression from basic to applied research, product development and commercialisation, has long been disputed. Diverse innovations demand specific organisational environments and managerial skills. To be widely and effectively adopted, they require new market channels for distribution, diffusion and support. These two sets of factors are not always available.

Perhaps the most troublesome aspect of innovation is the decoupling of economic growth and economic development, leading to the exclusion of certain segments of society. Older models, also referred to as ‘mainstream innovation’, were aimed at middle- and high-income consumers, and formal producers. This focus excluded informal producers and low-income consumers, especially those in marginalised areas, or those with limited resources.

INCLUSIVE INNOVATION

From the 1990s, the global quest for alternative models led to concepts like “pro-poor innovation,” “grassroots innovation,” “below-the-radar innovation,” among others. Over the past two decades, these concepts have been framed as “inclusive innovation”. But, policymakers, economists, developmentists, theorists, among others, continue to struggle to make meaning of the ever-evolving nature, definition and dynamics of inclusive innovation. Challenges prevail in synergistic policies and partnerships; the involvement of consumers especially the most vulnerable; appropriate and supportive national, regional and global systems; cost-effective pathways; and sufficient human, technical and financial resources.

Geopolitical innovation inequality abounds. The Global Innovation Index 2021 shows that high-income economies, notably from Northern America and Europe, followed by Asian economies, continue to dominate the top 25 list of most innovative economies. The top five research and development spending economies since 2011 are the United States, China, Japan, Germany and the Republic of Korea. In sub-Saharan Africa, only Mauritius and South Africa rank in the top 60, and only Kenya and Tanzania have remained firmly in the top 100. Rwanda has registered its lead position among low-income economies. There is good news in that sub-Saharan Africa (SSA) is the region with the largest number of overperforming economies, those accomplishing innovations above expectation, relative to their level of economic development.

THE FACTS

icipe e-bulletin 3 Volume 12, Issue No. 1, 2022

11:58 AM · Jul 19, 2022 · Twitter Web App

Teresa Meadows
@EnviroTeresa

Now arrived on the banks of Lake Victoria ready to spend time with @icipe (for which I can't wait!) then tea, biological control, floriculture, @BASISRegLtd in Kenya, plant health clinics and more - will keep you posted!



5:11 PM · Jul 24, 2022 · Twitter for iPhone



Bioinformatics Hub of Kenya
@BioinfoHub_KE

And to @icipe for providing space to host the event and for the continuous support.
And to our mentors @openlifesci, always the biggest thank you. 😊😊😊.

#Bioinformatics

6:23 PM · Jul 22, 2022 · Twitter Web App



icipe
@icipe

To enhance #taxonomy studies, @icipe has acquired a macrosolutions macropod photographic system, which is an advanced equipment with the ability to produce high-resolution images. Read more here: icipe.org/news/new-photo...



1:47 PM · Jul 19, 2022 · Twitter Web App

IDCO Bot Retweeted



Fredros Okumu
@Fredros_Inc

Beautiful image!

@icipe has always been a leader on this; & previously did excellent studies on sugar-feeding behaviours of African mosquitoes; which contributed to the development of Attractive Targeted Sugar Baits (ATSBs), a potentially transformative tool for #malaria control

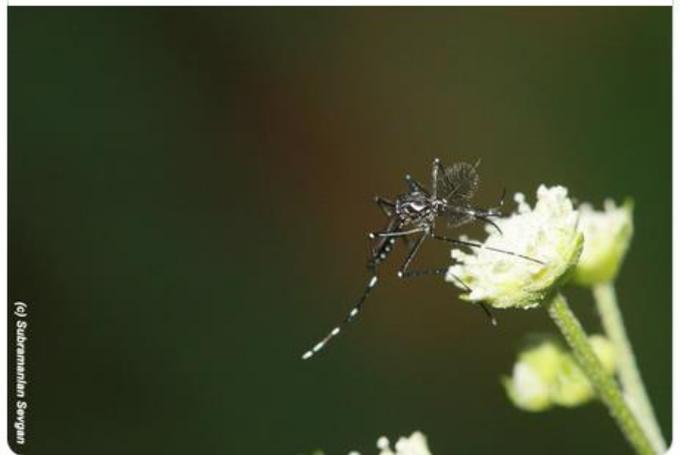


Liz Nganga @LizNnganga · 2h

@icipe researchers spotted this male of *Aedes aegypti* mosquito feeding on the invasive Parthenium weed.

What does this mean for #mosquito #malaria #dengue control? Read more 📌📌
icipe.org/system/files_f...

@Fredros_Inc @pamcafrica @GlobalVectorHub @Africa_evidence



8:51 AM · Jul 22, 2022 · Twitter Web App

Please like and follow our social media pages:

Facebook: [@icipe.insects](https://www.facebook.com/icipe.insects)

Twitter: [@icipe](https://twitter.com/icipe)

YouTube: <https://www.youtube.com/user/icipe>

LinkedIn: <https://www.linkedin.com/company/icipe/>