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The U.S. Government's Global Hunger & Food Security Initiative

## Responding to Food System Disruptions: Lessons Learned from a Global Coronavirus Food Safety Task Force



Feed the Future Innovation Lab for Food Safety

August 18, 2022



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## AGENDA

▶ **Carol Wilson – 10 min.**

United States Agency for International Development (USAID)

▶ **Martin Wiedmann – 10 min.**

Cornell University

▶ **George Ooko Abong' – 10 min.**

University of Nairobi

▶ **Jaya Kumar Gurung – 10 min.**

Nepal Development Research Institute

▶ **Concluding Remarks – 5 min.**

▶ **Q&A – 10 min.**



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## SPEAKER

### **Carol Wilson**

Director, Center for Nutrition

Bureau for Resilience and Food Security

United States Agency for International  
Development (USAID)



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## SPEAKER

**Martin Wiedmann**

Gellert Family Professor in Food Safety

Cornell University



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## Part I: Multipronged approach based on iterative “Office Hours” represents a good model for providing support to the Food Industry during crisis

Food Safety Innovation Lab Webinar – August 18, 2022  
Martin Wiedmann, Cornell University



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## OUTLINE

### Part 1:

- 1. How this multipronged approach was developed to support the food industry.**
- 2. How this approach was implemented and validated internationally.**

### Part 2:

- 3. Lessons learned and how this approach can be used in the future.**



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## I. How this multipronged approach was developed to support the food industry.

Food industry deemed essential and critical in coronavirus response



- 1. Identify food industry concerns and challenges**
- 2. Address concerns and find solutions**
- 3. Communicate back to the food industry**

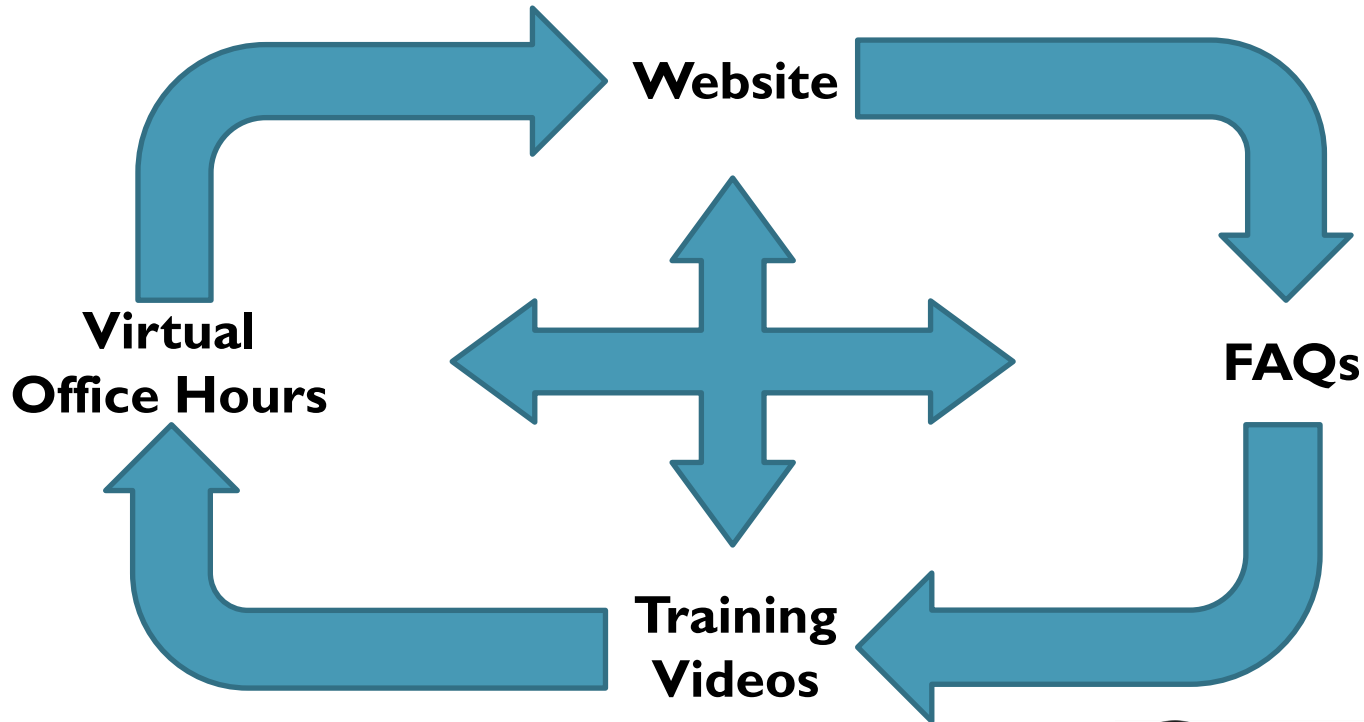
<https://www.supermarketperimeter.com/articles/4881-food-industry-deemed-essential-and-critical-in-coronavirus-response>





## I. How this multipronged approach was developed to support the food industry.

The structure of the multipronged approach:







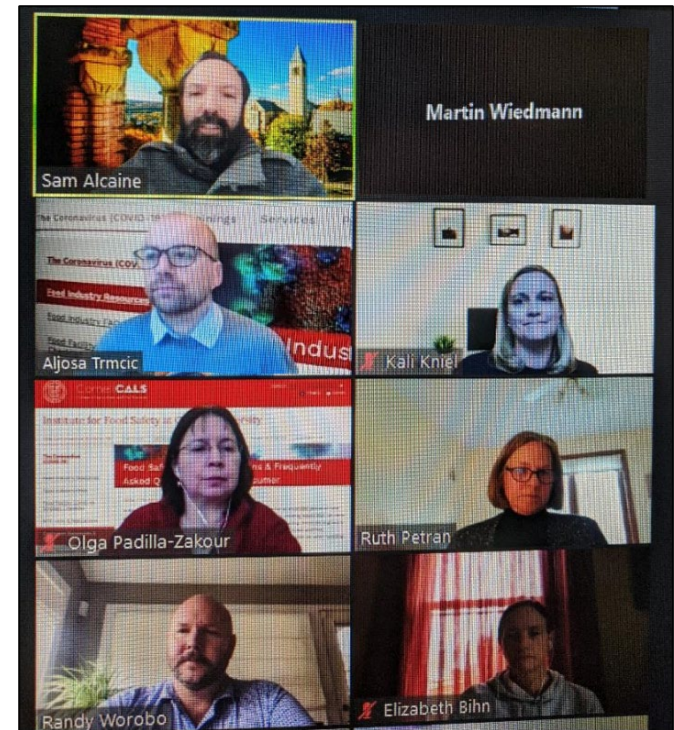
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## I. How this multipronged approach was developed to support the food industry.

### Cornell COVID-19 Virtual Office Hours (VOH)

- The VOH are periodic video/phone conferences open to food industry personnel and consumers, where experts from different fields answer questions and present updated information related to COVID-19.
- 59 sessions (1h each)
- Cumulatively 3,773 external attendees
- 684+ questions answered



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I. How this multipronged approach was developed to support the food industry.



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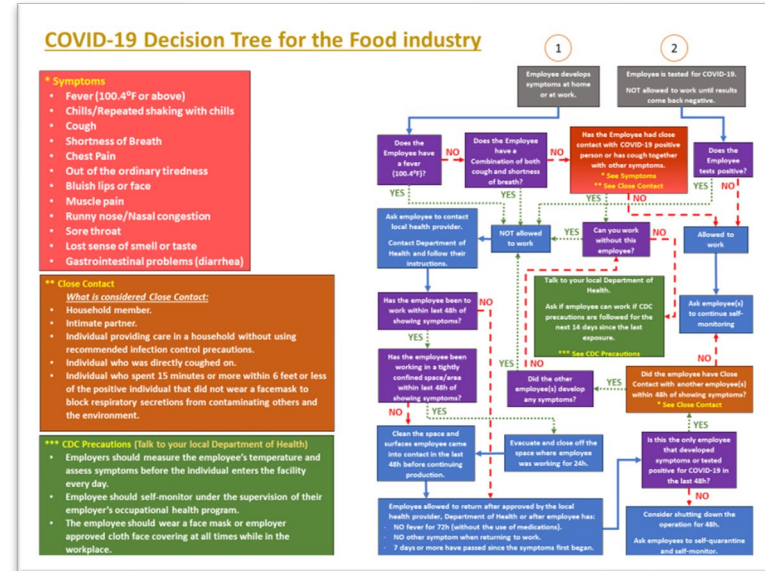
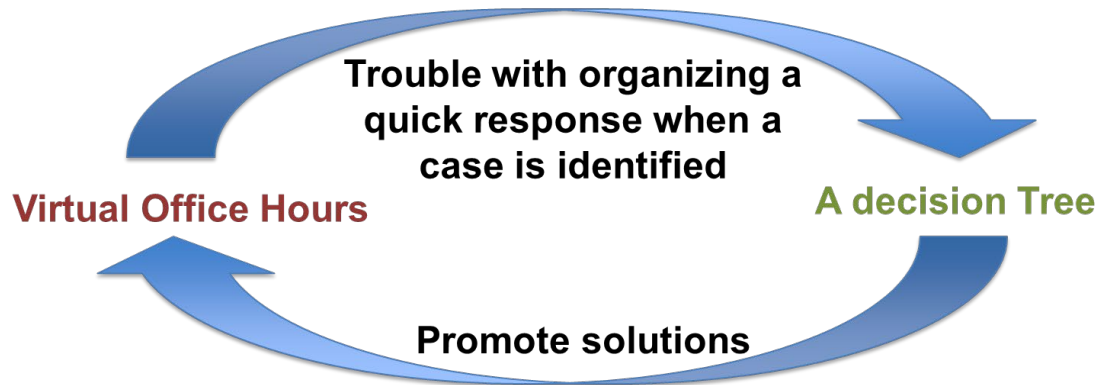


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## I. How this multipronged approach was developed to support the food industry.

### Example I:



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## OUTLINE:

### Part 1:

1. **How this multipronged approach was developed to support the food industry.**
2. **How this approach was implemented and validated internationally.**

### Part 2:

3. **Lessons learned and how this approach can be used in the future.**



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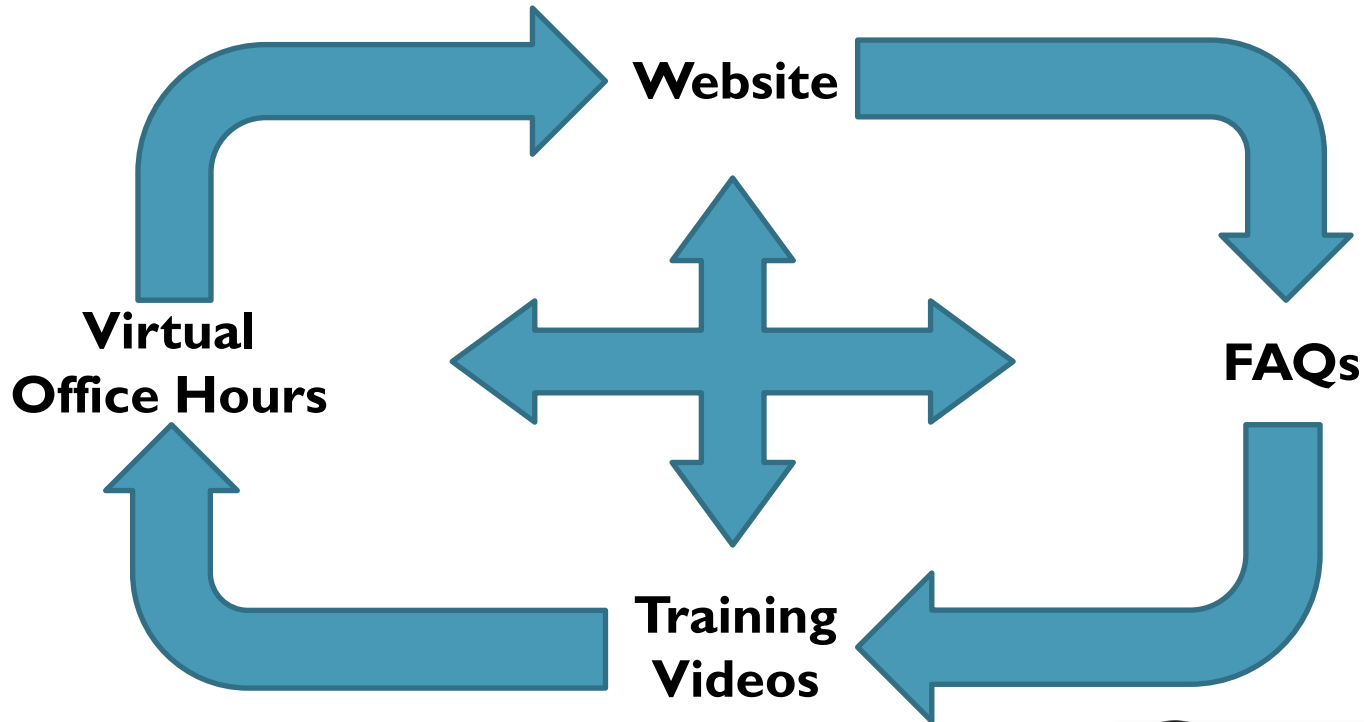


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## 2. How this approach was implemented and validated internationally.

The structure of the multipronged approach:



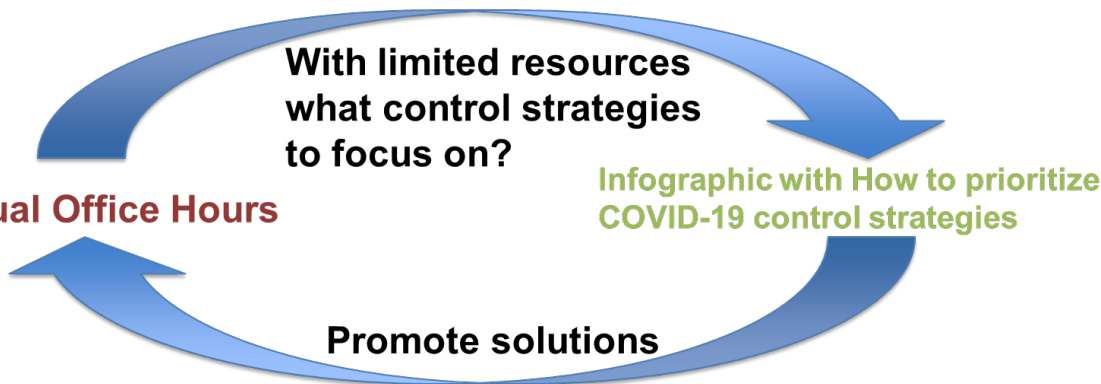


## 2. How this approach was implemented and validated internationally.



## 2. How this approach was implemented and validated internationally.


Example 2:



**KUKIPA KIPAKUMBELE UDHIBITI WA COVID-19**  
Majukumu ya wahasika

Majukumu ya Mfanyakazi	Kimata? Kipunguzwa kijijini	Majukumu ya mwanji
Matibabu ambao wa kati wa (K)	Ingiza kutoka na changamoto wa kati	Matibabu, Matibabu, Matibabu, Matibabu, Kuna Matibabu
Wazi, Baadhiya, Matibabu ambao kati yaliyo	Wazi kati	Kutumana, Kutumana, Kutumana, Kuna Matibabu, Matibabu Kuchangama kwa kati
Kupitishwa, Wazi matibabu, Wazi kati	Wazi kati? ya COVID-19	Matibabu ambao la changamoto la kati
Matibabu	Wazi kati? ya COVID-19	Kutumana, Matibabu matibabu, Matibabu Matibabu, Kuna Matibabu
Matibabu	Ingiza kutoka na kati	Matibabu, Matibabu, Kuna Matibabu
Matibabu ambao wa kati wa (K)	Matibabu na kati	Matibabu ambao wa kati wa (K)
Matibabu ambao wa kati wa (K)	Matibabu ambao wa kati wa (K)	Matibabu ambao wa kati wa (K)

Matibabu ambao wa kati wa (K)



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## 2. How this approach was implemented and validated internationally.

### **Built an international task force to manage the COVID-19 food safety and food security challenges:**

1. Identified and connected with local subject matter experts
2. Provided mentorship and training
3. Supported the development of in-country resources
4. Collaborated on the delivery of in-country Food Industry Virtual Office Hours



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## 2. How this approach was implemented and validated internationally.

Formed a food systems **COVID-19** subject matter expert community.



- Collaborators and institutions in Southeast Asia and Africa:
  - Dr. Latiful Bari, University of Dhaka, Bangladesh
  - Dr. Chay Chim, Royal University of Agriculture, Cambodia
  - Dr. Jaya Gurung, Nepal Development Research Institute, Nepal
  - Dr. George Ooko Abong', University of Nairobi, Kenya
  - Dr. Cheikh Ndiaye, Institut de Technologie Alimentaire (ITA), Senegal



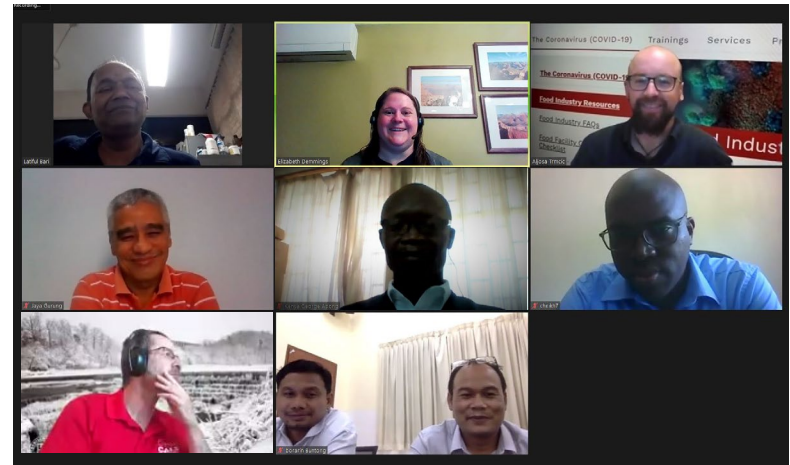
## 2. How this approach was implemented and validated internationally.

### Mentored and trained subject matter experts

#### Hosted and facilitated:

- Individual introductory and regular planning meetings
- Two virtual round table discussions:
  1. Reviewed COVID-19 basics, control strategies in the food industry, and FAQs and tips from US-based virtual office hours
  2. Mock session of virtual office hours: Subject matter experts role played as panelists to address FAQs

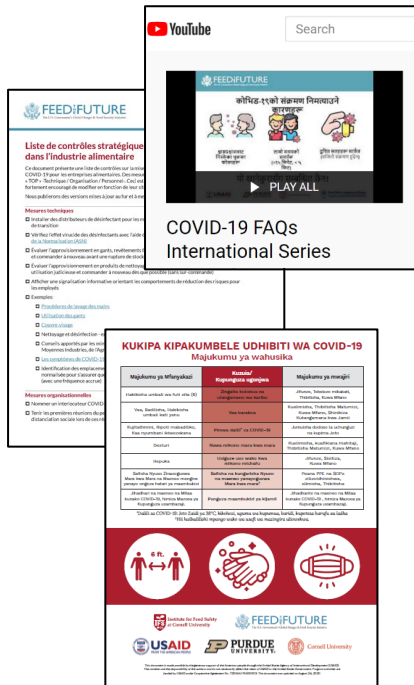
#### Community of food systems COVID-19 subject matter experts





## 2. How this approach was implemented and validated internationally.

### Customized and translated 25 in-country resources



### Resources include:

- Video FAQs: Address how COVID-19 is not foodborne (Bengali, English, French, Nepali, Swahili)
- Food facility COVID-19 strategy checklist (Bengali, French, Nepali, Swahili)
- How to prioritize COVID-19 control strategies in the food industry (Bengali, French, Nepali, Swahili)
- How to Handle Fresh Produce (Bengali, French, Nepali, Swahili)
- FAQs from office hours (Bengali, French, Nepali, Swahili)



## 2. How this approach was implemented and validated internationally.

### Summary of project outcomes

- Created a food systems COVID-19 subject matter expert community
- Developed 25 in-country resources
- Hosted 19 sessions of virtual office hours
  - 1,000+ participants
  - 249 questions addressed



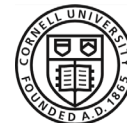


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## SPEAKER

**George Ooko Abong'**

Senior Lecturer and Department Head

University of Nairobi



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# COVID-19 OFFICE HOURS

## Impact and Lessons Learned in Kenya

George Ooko Abong' (PhD)  
Department of Food Science, Nutrition and Technology  
University of Nairobi  
August 18, 2022



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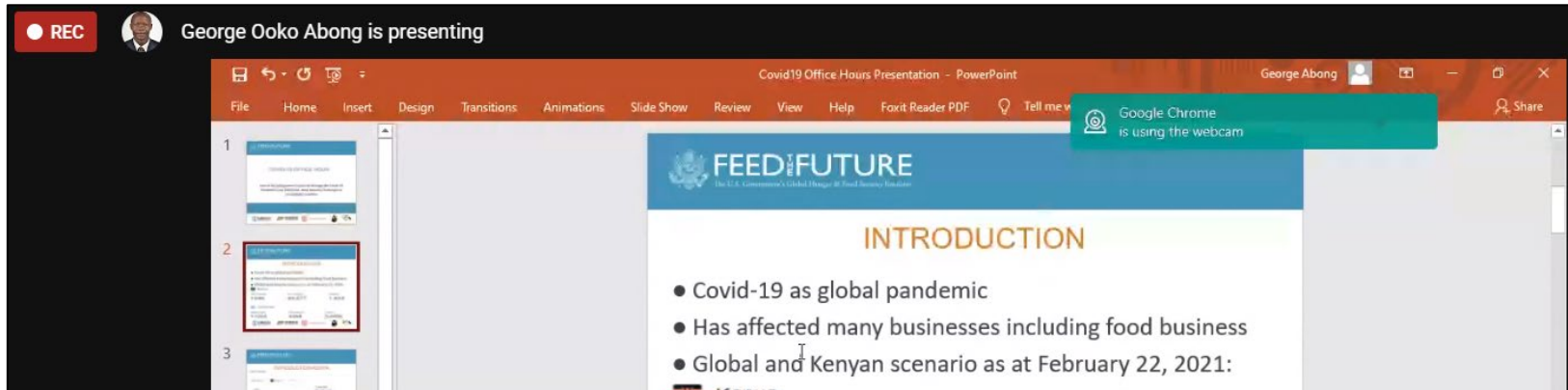




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## VIRTUAL OFFICE HOURS



### Virtual Office Hours in Kenya

**3**

**sessions**

Panelists from Kenya, South Africa, Denmark, and the US

158 participants total  
(46% female)

38 questions addressed

### Pan-Africa Virtual Office Hours

**2**

**sessions**

Panelists from 5 (session 1) and 7 (session 2) countries in Africa plus Denmark and the US

193 participants total

27 questions addressed



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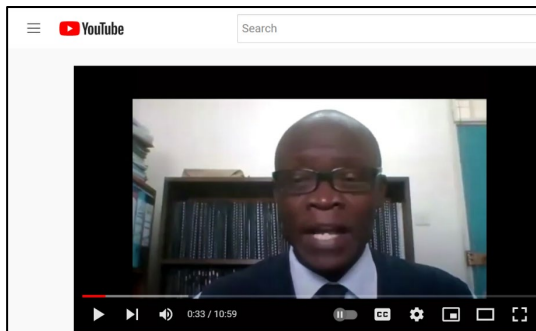






## RESOURCES DEVELOPED FOR KENYA

- How to Handle Fresh Produce
- How to Prioritize COVID-19 Control Strategies
- Food facility COVID-19 Strategy Checklist
- Food Industry FAQs from 3 sessions of virtual office hours
- Video FAQ 'COVID-19 is not foodborne' (English and Swahili)



### JINSI YA KUSHUGHULIKIA MAZAO MAPYA

*COVID-19 haisababishwi na chakula lakini njia bora za kushughulikia mazao na vyakula vingine vyote bado zinatumika*



1. Osha mikono yako kwa sekunde 20 ukitumia sabuni kabla ya kushughulikia mazao mapya, wakati wa kuandaa chakula na kabla ya kugawa au kuila chakula.
2. Weka mazao yako mbali na joto. Hii ni muhimu ili kudumisha ubora na usalama. Je! Una shughuli zingine? Usiruhusu mazao yakae kwenye gari wenye joto! Weka matunda na mboga kwenye baridi hadi uweze kuyaweka kwenye jokofu.
3. Suza matunda na mboga chini ya maji baridi ya bomba kabla tu ya kupanga kula au kupika. Ikiwa ngozi ya matunda au mboga ni ngumu, unaweza kutumia brashi kusugua.
4. Usitumie sabuni au pausha kuosha mazao yako. Kumeza pausha, vitakasi vingine, na sabuni zinaweza kuwa hatari na kusababisha maswala mengine ya kiafya.
5. Epuka uchafuzi kutoka palipo pachafu wakati wa kuandaa na kuhifadhi mazao mapya. Tenganisha matunda na mboga kutoka kwa nyama mbichi, pamoja na samaki na kuku, na zana zozote za jikoni (kwa mfano bodi za kukata, visu) ambazo zimegusana na nyama mbichi. Osha mikono yako mara moja baada ya kushughulikia nyama mbichi.

Kwa habari zaidi kuhusu COVID-19 tembelea: [instituteforfoodsafety.cornell.edu/covid-19-consumer-resources](https://instituteforfoodsafety.cornell.edu/covid-19-consumer-resources)



Cornell Cooperative Extension



Institute for Food Safety at Cornell University

Cornell Cooperative Extension ni muajiri na mwalimu anayetambulwa kwa kuthamini AA / EEO, Maceterani Watolindua, na Watu Wenye Ulemavu na hatua programu sawa na fursa za ajira.



## IMPACT FROM HOSTING VIRTUAL OFFICE HOURS IN KENYA

### Provided a platform for cutting-edge information:

- **Clinton Omondi:** “Thanks Dr. Martin for a very informative presentation.”
- **James Ndukui:** “Great piece of information, since there is a lot of fear that has been instilled in people’s minds about this virus. It will be very important to share such kind of information.”
- **Joyce Kithure:** “How can this vital information get to the common market trader like kawangware? I am one of them but I can assure you not many traders have this kind of information.”





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## IMPACT FROM HOSTING VIRTUAL OFFICE HOURS IN KENYA

### Served as a useful resource for Industry:

- **Maurice Mwenda:** “I have applied key principles of coronavirus control at my work in KWAL, found them very useful.”
- **Nyaboke-pulicon lab:** “Since we are mainly lab-based and which require small space to work, we had to intricately balance and apply knowledge gained from the sessions to our workplace. Thanks for the platform.”



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## IMPACT FROM HOSTING PAN-AFRICA VIRTUAL OFFICE HOURS

- **Capacity building:**
  - Many attendees were staff and students who gained more knowledge about the pandemic.
- **Gained knowledge:**
  - A lot of new and valuable information on hygiene and management of COVID-19 is crucial for my classes.
- **Networking:**
  - Reached more colleagues in colleges and industry that we have connections up to date. We continue to get questions on this and other related activities.



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## IMPACT FROM HOSTING PAN-AFRICA VIRTUAL OFFICE HOURS

- **Virtual webinar management:**
  - Gained experience in managing online webinars as moderator.
- **New research areas:**
  - The discussions exposed key areas that require further research-taking into account the local context.
- **Developed materials resources:**
  - Used by some industries including uon pilot plant.



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## SUCCESSSES



- Bringing industry and academia in close
- Adapting virtual meetings
- Resources availed for use in the local context
- Being able to rally the university-including principal and the Vice Chancellor



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## HURDLES

- Tracking the use of developed materials.
- Managing online meeting-difficulties in having people.
- Evolving and dynamic research findings-mutations make it even harder.



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## SPEAKER

### **Jaya Kumar Gurung**

Program Coordinator, Health and  
Environment Program

Nepal Development Research Institute



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## Impact and Lessons Learned in Nepal

Food Safety Innovation Lab Webinar – August 18, 2022  
Jaya K. Gurung, Nepal Development Research Institute (NDRI)



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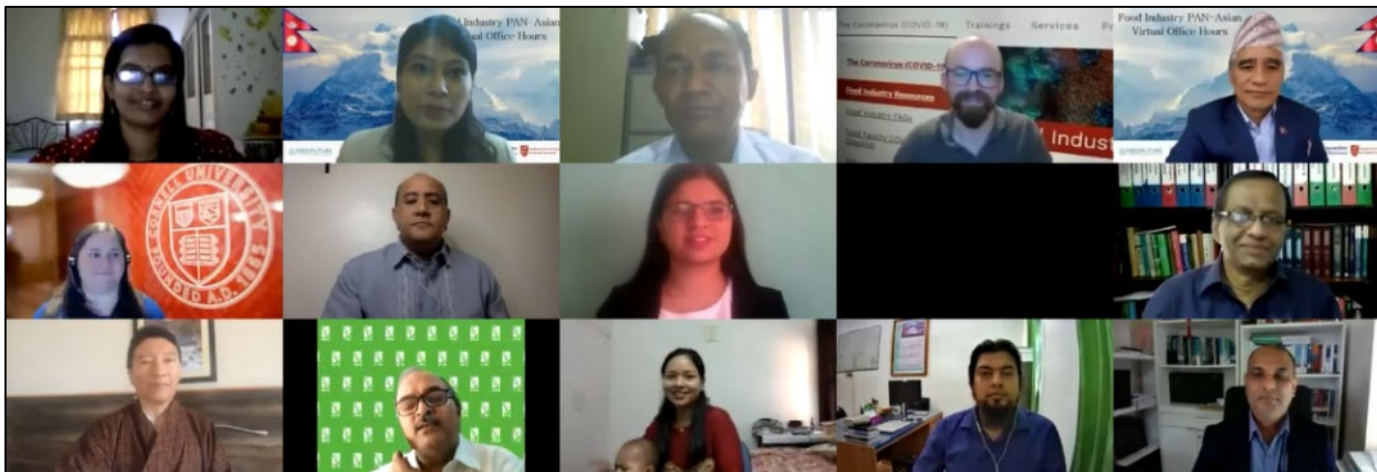
नेपाल विकास अनुसन्धान प्रतिष्ठान  
Nepal Development Research Institute



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## VIRTUAL OFFICE HOURS



### Virtual Office Hours in Nepal

### Pan-Asia Virtual Office Hours

# 3

**sessions**

Panelists from Nepal and the US

106 participants total  
(45% female)

80 questions addressed

# 1

**session**

Panelists from 10 countries in Asia plus the US

122 participants total  
(48% female)

17 questions addressed



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Nepal Development Research Institute



## POST-SURVEY INDICATES SUCCESSFUL APPROACH

	Virtual Office Hours in Nepal, N= 39	Pan-Asia Virtual Office Hours, N=91
Would implement COVID-19 practices as a result of information from virtual office hours	<b>49%</b>	<b>80%</b>
Would recommend virtual office hours to others	<b>97%</b>	<b>96%</b>

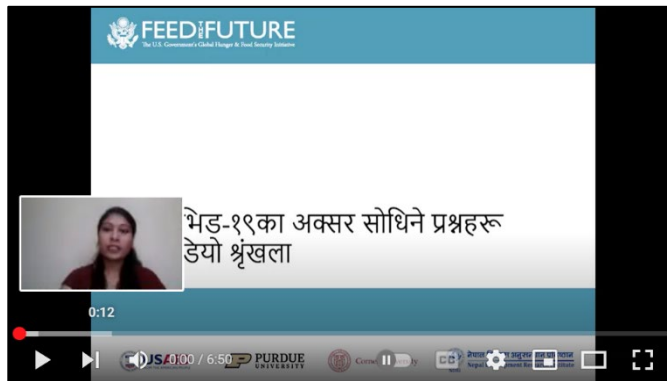


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## RESOURCES DEVELOPED FOR NEPAL

- How to Handle Fresh Produce
- How to Prioritize COVID-19 Control Strategies
- Food facility COVID-19 Strategy Checklist
- Food Industry FAQs from 3 sessions of virtual office hours
- Video FAQ 'COVID-19 is not foodborne'



**कोभिड-१९को नियन्त्रण रणनीतिहरूलाई कसरी प्राथमिकता दिने**  
कसरी मितेर यसको रोकथाम गर्ने

कर्मचारीको भूमिका	रोकथाम/ न्यूनिकरणका उपायहरू	रोजगारदाताको भूमिका
आफुलाई बचाउने र खोप लगाउने	कोभिड-१९ को खोप लगाउने *	शिक्षा दिने र कर्मचारीलाई प्रोत्साहित गर्ने, प्रेरणा दिने, उदाहरणीय बन्ने
६ फिट को दुरी कायम गर्ने	सामाजिक दुरी कायम गर्ने	शिक्षा दिने, आवश्यक रणनीति अपनाउने, प्रमाणित गर्ने, उदाहरणीय बन्ने
मास्कको प्रयोग गर्ने, समय समयमा मास्क फेर्ने , सामाजिक दुरी कायम गर्ने	मास्कको प्रयोग गर्ने	शिक्षा दिने, मास्क उपलब्ध गर्ने, मास्कको प्रयोग भएको छ वा छैन प्रमाणित गर्ने, सामाजिक दुरीलाई प्रोत्साहन गर्ने, उदाहरणीय बन्ने
स्वयं मूल्यांकन गर्ने, लक्षण देखापरेमा तुरुन्त खबर गर्ने, घर बसी काम गर्ने	कोभिड-१९ को लक्षणहरू देखापरेमा तुरुन्त जांच गर्ने †	समय समयमा जांच गराउने, परन्तु गर्न र तापक्रम माप्ने
बालो बसाल्ने	नियमित रूपमा हात धुने	शिक्षा दिने, हात धुने सुविधा प्रदान गर्ने, प्रयोजन भएको छ वा छैन प्रमाणित गर्ने, उदाहरणीय बन्ने
बेवास्ता गर्ने	बाहिर हिँड्दा अनुहारमा नछुने	शिक्षा दिने, आफूले पनि अनुहारमा नछुने, उदाहरणीय बन्ने
नियमित सर-साफाई गर्ने र बारम्बार छुने सतहहरू र अन्य उच्च जोखिम भएका स्थानहरू नितसंक्रमण गर्ने	बारम्बार छुने सतहहरू सफा र नितसंक्रमण गर्ने ‡	पीपीईहरू उपलब्ध गराउने, प्रमाणित एपिओपीहरू (SOPs) पढान गर्ने, परिशोधन दिने, प्रमाणित गर्ने
कोभिड-१९को सक्रिय संक्रमितहरू भएको स्थानीयतहका हटस्पटहरू बारे सचेत रहने, कार्यालय भन्दा बाहिर पनि सुरक्षाका उपायहरू अपनाउने	समाजमा फैलनबाट रोक्ने	कोभिड-१९को सक्रिय संक्रमितहरू भएको स्थानीयतहका हटस्पटहरू बारे सचेत रहने, कार्यालय भन्दा बाहिर पनि सुरक्षाका उपायहरू अपनाउनुका लागि प्रोत्साहित गर्ने

\* यो पढान राख जरुरी छ, केहि स्थानहरूमा खाद्य उद्योगका कर्मचारीहरूमा खोपको सजिलै पहुँच नहुन सक्छ ।  
† कोभिड-१९का लक्षणहरू; तापक्रम > १००.४° फारेनहाइट, खोकी, सास फेर्ने गाह्रो हुने, स्वाद र गन्ध हराउने, घिसो लाग्ने ।  
‡ यसले तपाईंहरूले गरिराखु भएको सरसफाईको प्रयोजनलाई केहि असर गर्दैन ।

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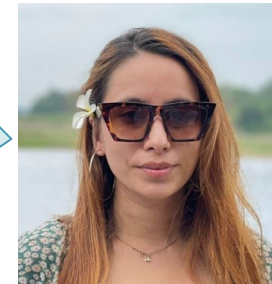


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## PARTICIPANTS FOUND VIRTUAL OFFICE HOURS AND RESOURCES HELPFUL

“The insight by attending the virtual meeting helped me understand about the sanitary and safety measures to be taken while packing the goods, and [that] packing is not the direct measure to transmit coronavirus.”



—Ms. Monalisha Maharjan,  
Mara Herbal  
(Tea Business, Retailer)



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## PARTICIPANTS FOUND VIRTUAL OFFICE HOURS AND RESOURCES HELPFUL

**caféterra!**



—Mr. Ashish Kayastha,  
Bhutandevi Pvt Ltd  
(Canteen Business)

“The translated resources helped me learn the transmission of Coronavirus, and most importantly I learned about the importance of masking, what kind and how it should be used.”



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Nepal Development Research Institute

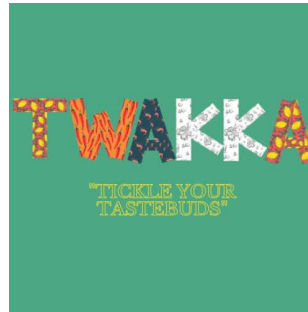


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## PARTICIPANTS FOUND VIRTUAL OFFICE HOURS AND RESOURCES HELPFUL

“The experience of attending the virtual meeting on food industry during the time of Coronavirus helped my business [and] helped me break the stigma of washing vegetables with soap or detergent, [which] was completely unnecessary.”



—Ms. Manisha Maharjan,  
Twakka  
(Pickle Industry, Food Processor)



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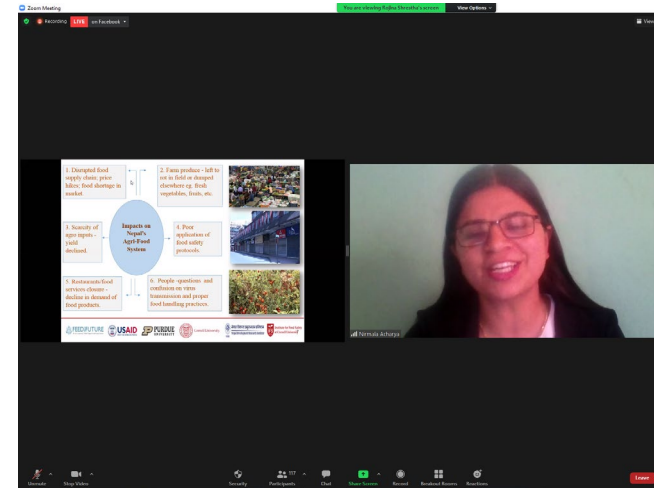
नेपाल विकास अनुसन्धान प्रतिष्ठान  
Nepal Development Research Institute





## ADDITIONAL IMPACTS FROM PROFESSIONAL DEVELOPMENT

“The VOH built my self-confidence while communicating with high-profile research scientists. At present, I was admitted for my Ph.D. with an assistantship at the University of Georgia, in the Department of Horticulture. My Professor at Georgia is impressed by my involvement in VOH. I am still in contact with the panel experts from VOH and participants from many countries. Those networks are awesome resources for me and for my professional life.”



—Ms. Nirmala Acharya,  
Former Research  
Assistant, NDRI



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## SUCCESSSES AND HURDLES





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## SPEAKER

**Martin Wiedmann**

Gellert Family Professor in Food Safety

Cornell University



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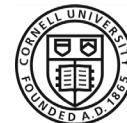


## Part 2: Lessons learned and how this multipronged approach can be used in the future

Food Safety Innovation Lab Webinar – August 18, 2022  
Martin Wiedmann, Cornell University



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## OUTLINE

### Part 1:

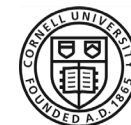
- 1. How this multipronged approach was developed to support the food industry in the US.**
- 2. How this approach was implemented and validated internationally.**

### Part 2:

- 3. Lessons learned and how this approach can be used in the future.**



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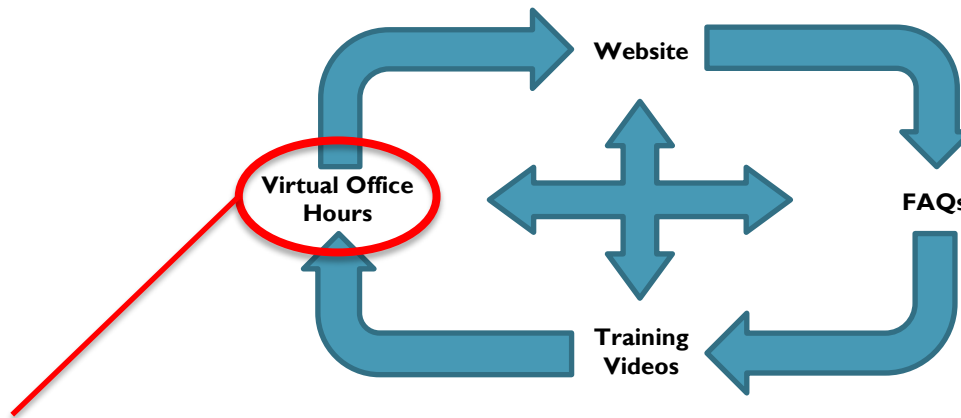


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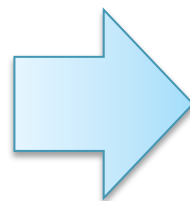
The U.S. Government's Global Hunger & Food Security Initiative

## LESSON I:

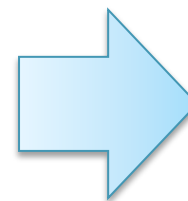
### The multipronged approach is highly effective.



### Virtual Office Hours



Informs us of country-specific concerns and challenges



Allows us to develop targeted response



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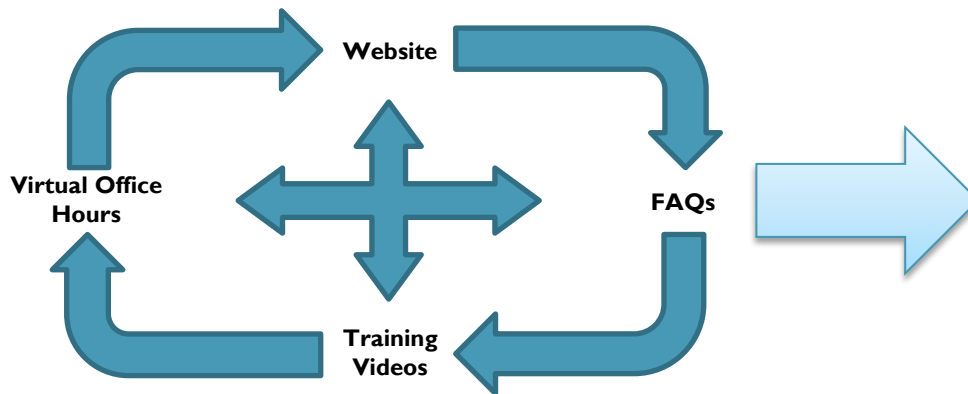


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## LESSON 2:

**The food industry needs support during all phases of a crisis.**



**Early phase of the pandemic:  
Limited information and available  
guidance**

- Provide leadership and initial guidance.

**Later phases of the pandemic:  
Influx of new information and  
misinformation**

- Synthesize information into cohesive recommendations
- Dispel myths





## LESSON 3:

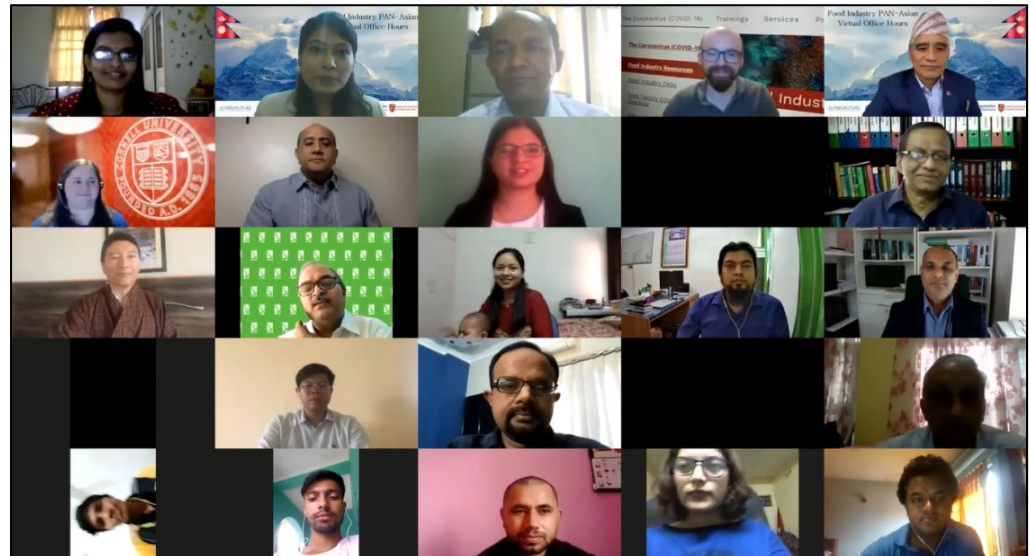
Hosting regional virtual office hours allows for different countries to provide alternative solutions.



**"Pan-Asian Countries Alliance To Battle COVID-19"**  
Cordial Invitation on  
"FOOD INDUSTRY: PAN - ASIAN VIRTUAL OFFICE HOURS"  
Date: Thursday, May 27, 2021 | Time: 01:00 PM - 03:00 PM NPT (GMT + 5:45)

**PANEL EXPERTS**

 <b>Dr. Latif Bari</b> Chief Scientist & Head Food, Nutrition & Agriculture Research Division University of Dhaka (BANGLADESH)	 <b>Dr. Mohammad Jakir Hosen</b> Professor Department of Genetic Engineering & Biotechnology, Sakhal University of Science & Technology (BANGLADESH)	 <b>Mr. Kingo Tshering</b> Founder Institute of Happiness (BHUTAN)	 <b>Dr. Chay Chim</b> Vice Dean Faculty of Agro-Industry Royal University of Agriculture (CAMBODIA)
 <b>Dr. Anjani Kumar</b> Senior Research Fellow International Food Policy Research Institute (INDIA)	 <b>Dr. Dharmendra Kumar</b> Associate Professor Department of Pharmacy Galgotia University (INDIA)	 <b>Dr. Harapan Harapan, MD</b> Medical Research Unit Tropical Diseases Center, Department of Microbiology Universitas Sebelas Maret (INDONESIA)	 <b>Dr. Asta Eiangoo</b> Department Head Department of Biotechnology, Faculty of Science Lincoln University College (MALAYSIA)
 <b>Prof. Dr. Than Than Soe</b> Head of Department Department of Food Science & Technology Yezzi Agricultural University (MYANMAR)	 <b>Dr. Het Hee Oo</b> Associate Professor Faculty of Information & Communication Technology University of Technology (MYANMAR)	 <b>Dr. Jai Das</b> Assistant Professor Department of Pediatrics & Child Health The Aga Khan University (PAKISTAN)	 <b>Dr. K. K. D. S. Ranaweera</b> Senior Professor Department of Food Science & Technology University of Sri Lanka (SRI LANKA)
 <b>Dr. Anil Kumar Anil</b> Professor Department of Food, Agriculture & Resources, School of Environment, Resources & Development Asian Institute of Technology (THAILAND)	<b>Language Medium: English</b>		
<b>Free Registration</b>		Scan for Registration 	





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## LESSON 4:

### The food industry needs resources that explain the "how to."

- Official guidance often tells you what needs to be done, but not how to do it!

**क्रीडाचे उत्पादित ताजा शाकसब्जी हायजेन करणे**

वेबिन-26 डाटाबेस/प्रायोगिक व्हायबल क्विक-ग्राइड एवढे जलद करणे गरजेचे आहे. हायजेन करणे योग्य प्रमाणित पद्धती वापरून करावे. ताजा भाज्या हायजेन करणे गरजेचे आहे. ताजे भाज्या हायजेन करणे गरजेचे आहे.

- 1) भाज्या हायजेन करणे गरजेचे आहे. ताजे भाज्या हायजेन करणे गरजेचे आहे. ताजे भाज्या हायजेन करणे गरजेचे आहे.
- 2) भाज्या हायजेन करणे गरजेचे आहे. ताजे भाज्या हायजेन करणे गरजेचे आहे. ताजे भाज्या हायजेन करणे गरजेचे आहे.
- 3) भाज्या हायजेन करणे गरजेचे आहे. ताजे भाज्या हायजेन करणे गरजेचे आहे. ताजे भाज्या हायजेन करणे गरजेचे आहे.

वेबिन-26 वर भाज्या हायजेन करणे गरजेचे आहे. ताजे भाज्या हायजेन करणे गरजेचे आहे. ताजे भाज्या हायजेन करणे गरजेचे आहे.

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**Liste de contrôles stratégiques sur la COVID-19 dans l'Industrie alimentaire**

Ce document présente une liste de contrôles sur la mise en oeuvre de stratégies de gestion des risques sur la COVID-19 pour les entreprises alimentaires. Des mesures possibles à utiliser sont organisées selon le principe « TOP » Technique / Organisation / Personnel. Ceci est uniquement un guide que l'industrie agroalimentaire est fortement encouragée de modifier en fonction de sa situation et des circonstances.

**Measures techniques**

- Installer des désinfecteurs de désinfectant pour les mains, en particulier aux entrées, sorties et zones de transition
- Vérifier l'effet virucide des désinfectants avec l'aide des documents d'orientation de l'Association Sénégalaise de la Norme Sanitaire (ANS)
- Évaluer l'approvisionnement en gants, vêtements faciles et autres EPI, encourager leur utilisation judicieuse et commander à nouveau avant une rupture de stocks.
- Évaluer l'approvisionnement en produits de nettoyage, assainissants et désinfectants, encourager leur utilisation judicieuse et commander à nouveau dès que possible (sans sur commande)
- Afficher une signalisation informative orientant les comportements de réduction des risques pour les employés

**Exemples:**

- Flasques de savon des mains
- Installation des gants
- Coques/vêtements
- Nettoyage et désinfection - exemples de conseils:
- Conseils apportés par les ministères de la Santé et du Développement Industriel et des Petites et Moyennes Industries, etc.
- Les consignes de COVID-19 et comment agir en conséquence
- Identification des employeurs / surfaces à haut risque et développer une procédure sanitaire normale pour s'assurer que ces emplacements sont régulièrement nettoyés et désinfectés (avec une fréquence accrue)

**Measures organisationnelles**

- Nommer un interlocuteur COVID-19 au sein de l'organisation pour gérer la communication et la coordination
- Toutes les nouvelles relations du personnel sur les stratégies de contrôle de la COVID-19 liées à la distanciation sociale lors de ses réunions, s'entraînent en petits groupes et maintenir une distance (minimum

**KUKIPA KIPAKUMBELE UDHIBITI WA COVID-19**  
Majukumu ya wahusika

Majukumu ya Mfanyakazi	Kumata/Kupunguza ugonjwa	Majukumu ya mwanjiri
Haikishi sambali wa futi eta (E)	Zingatia kutokua na utangamano wa kutibu	Jifunike, takuzwa mikakati, Thibitisha, Kuwa Mfano
Vaa, Bodiishi, Makikishi sambali kuti yeye	Vaa burudika	Kuamfahisha, Thibitisha Matumizi, Kuwa Mfano, Thibitisha Kuangamama kwa Jamii
Kujitahimiri, Ripoti; mabadiliko, Kaa nyumbani ikiwezekana	Pinwa dalili za COVID-19	Jumaiisha dohote la ushuguri na kutama Joto
Dastari	Nawa mikono mara kwa mara	Kuamfahisha, kuaficiana mawitaji, Thibitisha Matumizi, Kuwa Mfano
Hepotika	Uhituzi usio wakio kwa mikono michafu	Jifunike, Thibitisha, Kuwa Mfano
Safisha Nyuso Zinazogawa Mara kwa Mara na Mareme mng'ema yanayo orogwa hatari ya maambukizi	Safisha na kuangamama Nyuso na Mareme yanayogawa 'Mara kwa mara'	Fanya PPE na GDP, Jifunike, Thibitisha, Mfano, Thibitisha
Kujitahimiri na mareme na Mikoa kunako COVID-19, Kimicho Mapezo ya Kupunguza ugonjwa	Punguza maambukizi ya kijamii	Kujitahimiri na mareme na Mikoa kunako COVID-19, Haraka, Mareme ya Kupunguza ugonjwa

Tafiti za COVID-19: Joto: Tafiti ya 38°C, Kikuchiki, Ugonjwa wa kupumua, burudika, kupumua kamruji na kufuata Uthibitishaji mwingi mpaka auo usaji au mwingiri alimbarika.

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## LESSON 5:

### Determine best way to connect with the target audience and build the community.

- Consider cultural differences to better connect with the intended audience
  - Language
  - Work hours and days
  - Time zone differences
  - Holidays celebrated
  - Use of different communication platforms (i.e. Zoom, Google meet, WhatsApp, etc.)





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## THE WORLD IN CRISIS

### Wars

### Natural Disasters

### Pandemics

Top stories  
News about Ukraine, Russia

**LIVE**  
**CNN**  
June 6, 2022 Russia-Ukraine news  
1 day ago

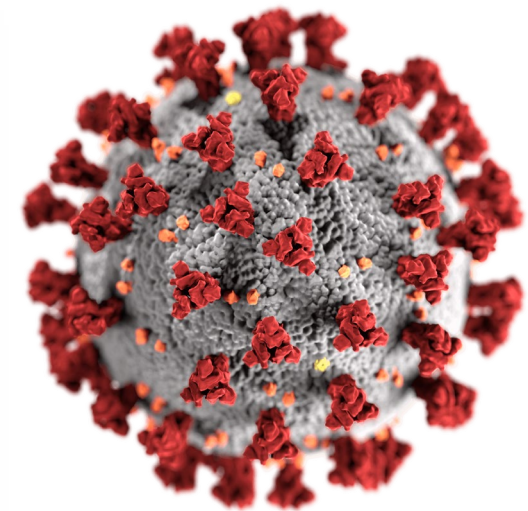
**CNN**  
Russia's war in Ukraine: Live updates  
24 mins ago

**FOX NEWS**  
Ukraine-Russia war: As Kyiv's losses mount, how long can they keep up the battle?  
23 hours ago

**Also in the news**

**Al Jazeera**  
Russia-Ukraine live news: Severodonetsk battle changing 'hourly'  
2 hours ago

- Bushfires, Australia
- Flash Floods, Indonesia
- Tornado, Kentucky, Illinois, Tennessee, Missouri, Arkansas
- Volcano Eruption, Philippines
- Earthquakes, China-India-Iran-Philippines-Russia-Turkey-The Caribbean
- Hurricane, Louisiana, New Jersey, Gulf Coast of US
- Swarms of Locusts, Asia-East Africa-India-Middle East
- Cyclone Amphan, Bangladesh-India
- Forest Fires, Uttarakhand
- Assam Floods, India
- Earthquake, California, Nevada, Arizona



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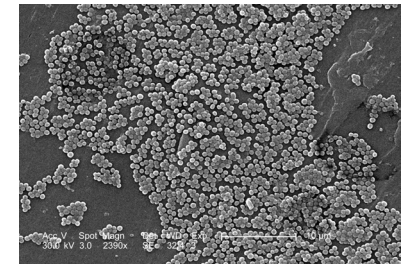
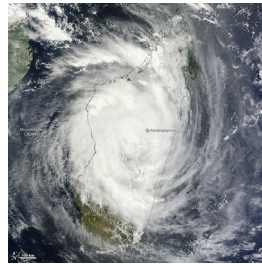
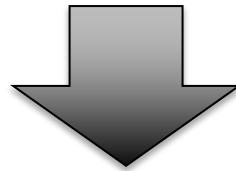
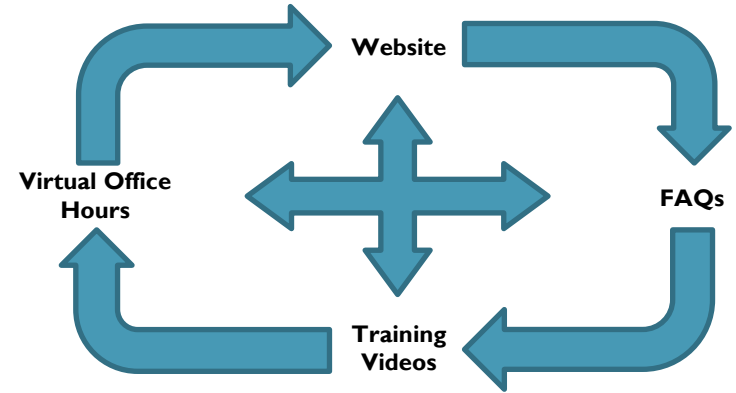
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## MODEL APPLICABLE TO OTHER PROBLEMS

### Task Force Model

1. Build community of experts
2. Provide mentorship and training
3. Support development of resources
4. Collaborate to host “virtual office hours”



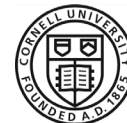


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## Responding to Food System Disruptions: Lessons Learned from a Global Coronavirus Food Safety Task Force *Panel Discussion*



**Carol Wilson**



**Jaya Kumar Gurung**



**George Ooko Abong'**



**Martin Wiedmann**



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# THANK YOU

**A link to the recording and presentations  
will be emailed to attendees**

**Feed the Future Innovation Lab for Food Safety**



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