

# CODEX ALIMENTARIUS COMMISSION



Food and Agriculture  
Organization of the  
United Nations



World Health  
Organization

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CAC/43 INF/4

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## JOINT FAO/WHO FOOD STANDARDS PROGRAMME

### CODEX ALIMENTARIUS COMMISSION

#### 43<sup>rd</sup> Session

#### FAO AND WHO Capacity development activities

(Prepared by FAO and WHO)

#### 1. Introduction

1.1 This paper has been prepared by FAO and WHO to provide information on key activities supporting countries to build food safety capacities (implemented by respective HQs or offices at regional and national level).

1.2 The paper is primarily for information purposes, however, feedback is welcome on food safety issues, including member country needs, that should be considered by FAO and WHO when planning programmes of work.

1.3 This document focuses on main initiatives and activities implemented since the 42<sup>nd</sup> Session of the CAC and is structured as follows:

- **PART I:** FAO/WHO partnership and collaboration in building food safety capacities in member countries
- **PART II:** highlights of key initiatives since CAC42
- **PART III:** future focus
- **PART IV:** FAO and WHO publications and tools recently published
- **PART V:** regional/national projects and initiatives<sup>1</sup>

#### **PART I: FAO/WHO partnership and collaboration in building food safety and quality capacities in member countries**

2.1 FAO and WHO are the main specialised UN agencies with a mandate to address food safety and quality issues. Through their complementary mandates, FAO and WHO cover a range of issues to support global food safety and protect consumer's health, typically with WHO having a particular competence and strong relationship with the public health sector and FAO being in a position to deploy a range of strategies to address issues related to food production along the food chain. Certain activities are implemented jointly at country level or through global joint programmes (e.g. scientific advice, INFOSAN, Codex Trust Fund etc.), while both Organizations also implement work independently in partnerships with government authorities, food industry and primary producers, and other relevant national and international stakeholders.

2.2 FAO and WHO capacity development work supports and promotes the work of Codex by: i) working with countries to strengthen their national food and feed safety systems including the technical skills to more effectively participate in Codex standard setting; ii) developing a range of guidance tools based on relevant Codex texts which effectively "translate" these texts and enable countries to better understand and use the

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<sup>1</sup> <http://www.fao.org/food/food-safety-quality/capacity-development/en/> and <http://www.who.int/foodsafety/capacity/en/>

texts in their context; iii) facilitate policy and technical dialogue between governmental authorities and private sector (farmers and agri-business), and iv) support data generation and information-sharing activities which facilitate a greater pool of data from an increased number of countries as a basis for decision-making.

2.3 In order to achieve sustainable results at country level and ensure that efforts lead to lasting changes, experience has shown it is important that capacity development activities are tailor-made taking into account the wider national or regional context (e.g. priorities of the relevant stakeholders, including competent authorities, the policy environment, available technical and financial resources, etc.). Training is an important component of capacity development but one-off training events frequently do not result in “new learning” being fully and correctly integrated into the working practices of trainees.

#### **Communicating with us**

More information on FAO and WHO publications, tools and project activities are available at:

**FAO:** <http://www.fao.org/food/food-safety-quality/home-page/en/>

**WHO:** <http://www.who.int/foodsafety>

## **PART II: HIGHLIGHTS OF KEY INITIATIVES SINCE CAC42**

### **3.1 FAO/WHO Food Control System Assessment Tool**

The FAO/WHO food control system assessment tool has been published in English, French, Spanish and Arabic language and is available at:

-via FAO <http://www.fao.org/documents/card/en/c/ca5334en/>

-via WHO <http://www.who.int/publications/i/item/9789241515719>

The tool was also translated into Russian and this language version will be uploaded very soon on the FAO and WHO websites.

This tool allows Member Countries to assess, in structured, transparent and measurable ways, the performance of their food control system throughout the entire food chain, identify priority areas for capacity development, and measure and evaluate progress over time.

FAO and WHO are continuing to assist Member countries in utilizing the tool to assess their national food control systems in a structured and measurable way. FAO has successfully concluded assessments in Malawi, Sudan and Tunisia in 2019, and further assessments have been initiated, or will be initiated in a near future, in The Emirate of Abu Dhabi (UAE), Azerbaijan, Belarus and Burkina Faso.

To facilitate widespread use of the FAO/WHO Assessment Tool, training is envisaged in order to develop a pool of reliable facilitators.

### **3.2 FAO guidance on risk-based inspection**

FAO continues its update of existing and production of new guidance on risk-based inspection, as part of the Food Safety and Quality series. The most recent issue in the series is “Principles for risk-based meat inspection” which has recently been published in English and is available at <http://www.fao.org/3/ca5465en/ca5465en.pdf>. It has been translated into French and publication is expected very soon.

The publication “Risk based Imported food control” has been translated into Arabic and will be published in the coming weeks.

Moreover, drafting of new guidance is ongoing with regard to:

- Risk categorization of food businesses as the basis for improved inspection planning,
- Risk based fish inspection (update of an earlier publication)

### **3.3 Policy Guidance note on food safety in the context of food security**

As part of a series of guidance notes on “Strengthening sector policies for better food security and nutrition results”, FAO has prepared a special issue highlighting policy considerations related to food safety. This guidance note aims to support stakeholders engaged in policy processes and programmes in different

domains – including food security, nutrition, food safety, agriculture, health and trade – in understanding the mutual benefits of establishing an inclusive policy dialogue process. This guidance note addresses the overarching questions of “Are food safety policies and decisions relevant to food security and nutrition?” and “How can we improve food safety decision-making to better support food security and nutrition objectives?”. The note identifies a number of issues to be taken into account for improving the coherence between these policies, to improve food and nutrition security outcomes and ensuring healthy, safe diets. This publication is available at <http://www.fao.org/3/ca9476en/CA9476EN.pdf>.

### 3.4 Early warning/alert and response to food safety emergencies

3.4.1. The Secretariat of the joint FAO/WHO International Food Safety Authorities Network (INFOSAN), continues to develop and strengthen the Network. The INFOSAN Secretariat responds to more than 80 food safety emergencies each year, facilitating rapid communication among INFOSAN members across all regions. During such food safety incidents, the INFOSAN Secretariat relies on the swift action of national INFOSAN Emergency Contact Points to respond to information requests. Information shared through INFOSAN enables members around the world to implement appropriate risk management measures to prevent foodborne illness.

Membership to INFOSAN has continued to grow during the 2018/2019 biennium, increasing by 8 percentage points with notable growth in the Eastern Mediterranean Region and in the African Region; 89% of all WHO Member States now have an active INFOSAN Emergency Contact Point.

Efforts to strengthen partnerships with regional authorities and networks have continued with PulseNet International, the Global Outbreak Alert and Response Network (GOARN), the European Food Safety Authority's (EFSA) Emerging Risks Exchange Network (EREN), the European Rapid Alert System for Food and Feed (RASFF), the Community of Portuguese Language Countries (CPLP), the Association of Southeast Asian Nations (ASEAN) and the Arab Food Safety Initiative for Trade Facilitation (Arab SAFE).

INFOSAN members' knowledge and capabilities to participate actively in the Network and respond effectively to food safety emergencies has been further developed through the delivery of several webinars, conducted by the INFOSAN Secretariat in English, French, Spanish and Portuguese as well as several national training workshops.

In 2018 and 2019, online emergency simulation exercises were run in English, French, Spanish and Portuguese for countries in the Americas, Africa and Asia, targeting INFOSAN Emergency Contact Points and National IHR Focal Points. Participation in such exercises tests national and international coordination mechanisms and bolsters preparedness for food safety emergency response.

The INFOSAN Activity Report 2018/2019 has published in September 2020<sup>2</sup>. During the 2018/2019 biennium, the INFOSAN Secretariat responded to 162 international food safety events, facilitating communication and sharing important food safety information among Network members. National capacities for food safety emergency management strengthened through a series of webinars and simulation exercises in multiple languages. INFOSAN featured in several high-profile occasions, including at the FAO/WHO/AU International Food Safety Conference held in Addis Ababa, Ethiopia, in February 2019 and at the WTO International Forum on Food Safety and Trade held in Geneva, Switzerland, in April 2019.

The INFOSAN Secretariat, in collaboration with the Abu Dhabi Agriculture and Food Safety Authority (ADAFSA), organized the Second Global INFOSAN Meeting from 9 to 11 December 2019 in the United Arab Emirates, with participation of more than 285 attendees from 135 countries. The objectives of the meeting were to bring members together to discuss recent network developments, strengthen relationships, exchange experiences and inspire INFOSAN's actions in the future. The meeting resulted in strengthening the sense of INFOSAN as a trusted community whereby to share information and collaborate during food safety emergencies. The report of the meeting is available on the INFOSAN website (<https://www.who.int/publications/i/item/9789240003934>).

The new INFOSAN Secretariat Strategic Plan 2020-2025 (<http://www.fao.org/3/ca6988en/ca6988en.pdf>) was published in autumn 2019 and presented during the Second Global Meeting of INFOSAN. The document describes the objectives and methodology of the strategic thinking process, provides an overview of the history, current status and contextual factors influencing INFOSAN operations, and concludes with a description of six strategic objectives by outlining the key challenges as well as actions to be taken by the INFOSAN Secretariat to achieve these objectives.

The new INFOSAN Members' Guide was also presented during the Second Global Meeting of INFOSAN. The document will serve as a functional reference guide for the members, as it covers a general overview of

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<sup>2</sup> <https://www.who.int/publications/i/item/9789240006928>

the INFOSAN operational aspects around the communication of international food safety incidents. The document is available on the INFOSAN website. (<https://www.who.int/publications/i/item/9789240000230>).

3.4.2. The Joint FAO/IAEA Division commenced the implementation of a project entitled “Enhancing Capacity in Member States for Rapid Response to Food Safety Incidents and Emergencies” in April 2019. The project under the IAEA “Peaceful Uses Initiative (PUI)” will last for 2-3 years to strengthen cooperation in food safety laboratory networks for rapid response to food safety incidents and emergencies affecting humans, animals and trade. The main components of the project include development of effective analytical methods and transfer of appropriate methodology to Member Countries through training courses and publications. The first training “Workshop on the Use of Stable Isotope Techniques to Determine Food Origin and Verify Food Authenticity” was successfully held at Seibersdorf from 7-18 October 2019 with 22 trainees from 16 developing countries.

### **3.5 Joint FAO-IAEA-IOC-WHO Inter-Agency Global Strategy on Ciguatera**

IOC-UNESCO, IAEA, FAO and WHO are putting all their expertise together for the Development of e-learning material on Ciguatera Poisoning. This is part of the work plan for the implementation of Joint FAO-IAEA-IOC-WHO Inter-Agency Global Strategy on Ciguatera.

### **3.6. FAO GM Foods Platform**

The FAO GM Foods Platform is a simple online platform to share information on safety assessment of foods derived from recombinant-DNA plants authorized in accordance with the Codex “Guideline for the conduct of food safety assessment of foods derived from recombinant-DNA plants (CAC/GL 45-2003, annex III adopted in 2008)”. This Platform also facilitates the effective utilization of food safety assessment in situations of Low Level Presence (LLP) of r-DNA plant materials in food. The Platform is currently hosting a total of 1,616 records of national data on GM food/feed safety assessment and participated by a total of 177 countries that have nominated Focal Points to the Platform. Among them, 172 countries have successfully registered to the Platform and 25 countries are actively and regularly sharing their data and information. All Codex Members are requested to nominate their Focal Points and actively share relevant data and information with regards to national GM food/feed safety assessment. Contact [GM-Platform@fao.org](mailto:GM-Platform@fao.org) for questions and comments. FAO organized the FAO GM Foods Platform global community meeting on 10-13 September 2019 in Bangkok, Thailand. The meeting was for the Focal Points and Alternate Focal Points of the Platform, but was open to other government officers with relevant tasks as well as to partner agencies including OECD, CBD and UNEP. The technical paper prepared for the meeting, and the final meeting report have been finalized and published by FAO in 2020.

Three activities are ongoing as direct follow-ups to the meeting, namely: 1) technical assistance for Fiji, Papua New Guinea and Tonga to train the competent authorities on GM food safety assessment; 2) compilation of development of food biotechnology related communication materials to showcase good practices; and 3) strengthening the community of practices to share technical questions among community members. So far five developing countries are directly benefitted from the community to obtain technical advice from other more experienced countries through the community.

### **3.7. FAO/WHO Work on Whole Genome Sequencing**

FAO is facilitating an informal network of developing countries to share information, knowledge and experience in using genome sequencing technology for food safety management. Participating countries include: Bangladesh, Bhutan, Botswana, China, Egypt, Ghana, India, Iran, Mauritius, Mongolia, Mozambique, Namibia, Philippines, Sudan, Singapore, Tanzania, Thailand, Vietnam. Contact [WGS@fao.org](mailto:WGS@fao.org) to join the network.

Furthermore, in the Asia region, FAO collaborates with Nanyang Technological University (NTU) of Singapore to provide technical assistance on WGS for the process of sequencing as well as interpretation (bioinformatics) through workshops and trainings. Malaysia, Sri Lanka, Thailand and the Philippines have been regularly participating in the project to have their food samples and clinical samples sequenced.

FAO, together with its partner agencies such as WHO and OIE, supports non-profit technical initiatives working on WGS and food safety, such as Global Microbial Identifier and PulseNet International. FAO is sitting in the steering committee of GMI to ensure all countries, including developing countries and transition countries, will benefit from this potentially powerful technology that is applicable to food safety management. PulseNet International is a global laboratory network dedicated to foodborne disease surveillance and outbreak detection. This international network envisions the standardised use of WGS to identify and subtype foodborne bacterial pathogens worldwide, replacing traditional methods. FAO regularly collaborates and attends the PulseNet technical meetings to support their initiatives to design and build the system that has a potential in

being converted into an internationally standardized system.

FAO developed a webpage entitled “The #FutureofFood depends on the future of food safety: Whole Genome Sequencing is helping us decode the risks to our food” available at <http://www.fao.org/fao-stories/article/en/c/1187077/> to inform the readers of four ways that WGS is helping us track down the culprit pathogens and keep our food trade.

### **3.8. Guidance on food safety and Covid-19**

FAO and WHO have developed policy briefs and other relevant resources from the perspective of the specific mandate of each agency<sup>3</sup> to support managing the related challenges. FAO and WHO in close collaboration with Codex Secretariat have developed jointly two guidance on Covid-19 and food safety for food business operators and national competent authorities. Furthermore, FAO and Codex Secretariat have produced three concise posters on 10 essential things related to Covid-19 and food safety that food business operators, national competent authorities and consumers should know, respectively<sup>4</sup>.

### **3.9. FAO regional initiative on development of food safety indicators**

In Asia and the Pacific region, a number of FAO Members have contacted the FAO regional office and requested technical assistance to follow the Codex guideline entitled “Principles and guidelines for monitoring the performance of national food control systems”, which recommends that countries establish indicators for a more effective national food control system.

In order to provide a sound tool for countries in the region to be able to consider all the key elements to properly address short-comings they are facing, a set of regional food safety indicators has been prepared through a thorough technical literature review followed by a regional consultation meeting. Four countries, namely Bhutan, China, Cook Islands and the Philippines piloted the tool and produced a small number of concrete indicators in each country and their effectiveness have been verified at the national level in 2019. FAO RAP organized a regional meeting to share the results of the pilot projects in November 2019 in China, inviting other countries in the region to discuss the overall application of setting national food safety indicators for the specific outcome that countries have set for having food safety indicators. Observer countries requested FAO RAP to develop a guidance document for national competent authorities to develop food safety indicators in the region so that the document can be used as a technical reference. Relatedly, the regional initiatives also contribute in ensuring implementation of Codex activities from a broader perspective, such as capacity building and trainings, policy dialogues, and multi-stakeholder consultations, among others. The guidance document is planned to be fully drafted for an expert review process in the course of 2020.

### **3.10. Activities with Standards and Trade Development Facility (STDF)**

FAO and WHO contributes technical expertise to STDF working group for reviewing project proposals and implementation, and for cooperating with other platforms such as spill-over trade effects framework on domestic health and Public-Private Partnerships. Regional offices of FAO and WHO are more actively involved in implementing various STDF projects in their regions.

With regard to COVID-19 situation, WHO participated in a series of STDF webinars and provided new guidance on COVID-19 and food safety for food businesses and for competent authorities.

## **PART III: FUTURE FOCUS (in addition to ongoing activities mentioned above)**

### **4.1. Literature review on the impact on the Human gut microbiome of substances of interest to food safety**

As part of an organization-wide review of the impact of food systems on diet-related non communicable diseases, a literature review is has been imitated on the impact on the human gut microbiome of substances of interest to food safety. As a first step, a methodology for systematic literature research and

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<sup>3</sup> <http://www.fao.org/2019-ncov/en/>; <https://www.who.int/emergencies/diseases/novel-coronavirus-2019>

<sup>4</sup> <http://www.fao.org/3/ca8947en/ca8947en.pdf>; <http://www.fao.org/3/ca8798en/ca8798en.pdf>;  
<http://www.fao.org/3/ca8883en/ca8883en.pdf>

review has been established as well as a priority list of substances by categories (e.g. food additives, veterinary drugs residues, pesticides residues, micro plastics etc.). Evidence of impact on human health, if any is also documented. The review is ongoing and while references and findings are compiled, a list of research and knowledge gaps is also built to inform future potential discussions on challenges in research and how these can be addressed. A report on this review is planned for publication in 2021.

#### **4.2. FAO support for the establishment of the Africa Food Safety Agency (AFSA) and establishment of the Africa Continental Free Trade Area (AfCFTA)**

As a follow-up on the outcomes of the 2019 International Food Safety Conference held in Addis Ababa and to the International Forum on Food Safety and Trade held Geneva, the FAO RAF has intensified interactions with the African Union Commission (AUC) and support toward the operationalization of the newly established Africa Continental Free Trade Area (AfCFTA). FAO supports implementation of the AfCFTA in the agricultural and food sector, notably by ensuring that the agreement contributes to food security and nutrition objectives. This includes strengthening of the capacities of member countries in trade policy analysis and participation in trade negotiation, strengthening market information and analysis to guide the implementation of appropriate trade and market policies and facilitating the work of standard setting bodies for food safety and plant health. The FAO support to AUC also contributed to the efforts toward the establishment of the Africa Food safety Agency (AFSA) aiming at coordinating food safety at the continental level.

#### **4.3. FAO and the International Atomic Energy Agency (IAEA) assistance to Member Countries in utilizing ionizing radiation as a treatment for food safety, quality and phytosanitary applications.**

4.3.1. Most irradiated food in international trade is from large contract irradiation units in the Americas and Asia and Pacific Countries. A new FAO/IAEA five-year coordinated research initiative was launched to develop low energy beams that are generated by compact electrical machines that can be placed on production lines inside food factories or packing houses. This aims to develop sustainable food engineering solutions to ensure food safety and quality, while achieving environmental objectives (e.g. lower carbon dioxide emissions, lower energy consumption, more efficient use of water, and reduction in chemicals usage). Preliminary work developed a new approach to food irradiation based on relatively small devices currently used in food packaging industries, but which can be adapted for commercial food processing (e.g. microbial and mould reduction in dried ingredients, herbs and spices). This coordinated research project will involve research institutions and food industry partners. Its activities will officially start in 2021 under the leadership of the Joint FAO/IAEA Division of Nuclear Applications in Food and Agriculture.

4.3.2. FAO-IAEA training course for strengthening food control system with focus on the detection and control of organic contaminants in food under the PUI project “Enhancing Capacity in Member States for Rapid Response to Food Safety Incidents and Emergencies”, initially planned for 20-30 April 2020 in Seibersdorf, Austria, has been postponed until 5-16 October due to the COVID-19 situation. Two more similar training courses are planned under this PUI project for 2021.

### **PART IV: FAO AND WHO PUBLICATIONS AND TOOLS PUBLISHED SINCE CAC42 (JULY 2019)**

#### **5.1 Bibliography**

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FAO. 2019. Technical guidance principles of risk-based meat inspection and their application. FAO Food safety and quality series No. 6.

Risk-based Food Inspection Manual for the Caribbean. PANAFTOSA-PAHO/WHO, 17 December 2019. (<https://iris.paho.org/handle/10665.2/51775>)

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FAO. 2020. Climate change: Unpacking the burden on food safety. Food safety and quality series No. 8. Rome. (<https://doi.org/10.4060/ca8185en>)

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FAO/WHO. 2020. INFOSAN Advisory Group <http://www.fao.org/documents/card/en/c/ca9842en>

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FAO 2020. Post-harvest management to ensure quality and safety of green mustard: Guidance for stakeholders in the Horticultural Supply Chain.

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FAO. 2020. Ten things food safety authorities should know about food safety and Covid-19. Rome. <http://www.fao.org/3/ca8947en/ca8947en.pdf>

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FAO. 2020. Understanding international harmonization of pesticide maximum residue limits with Codex standards: A case study on rice. Rome. <https://doi.org/10.4060/cb0463en>

Vaccher, V., Ingenbleek, L., Adegboye, A., Hossou, S. E., Koné, A. Z., Oyedele, A. D., ... & Cariou, R. (2020). Levels of persistent organic pollutants (POPs) in foods from the first regional Sub-Saharan Africa Total Diet Study. *Environment International*, 135,105413. <https://doi.org/10.1016/j.envint.2019.105413>.

### **FAO is developing support tools for the implementation of bivalve mollusc sanitation programmes**

Based on the Technical guidance for the development of the growing area aspects of Bivalve Mollusc Sanitation Programmes, FAO, in collaboration with Cefas, its Reference Center for bivalve Sanitation, is developing an e-course. The course addresses the subject matter from a technical perspective. Individuals who would especially benefit from taking the course include: policy makers, development practitioners and programme managers, sectoral specialists and researchers, bivalve producers, trainers and extension agents. Module 1 of the E-Learning material was recently published. This module introduces the technical guidance framework for the development of growing areas for bivalve mollusc sanitation programmes. It describes the



potential hazards present with live or raw consumption of bivalve molluscs and provides guidance on the completion of a Growing Area Risk Profile (GARP).

The first module is available at <https://elearning.fao.org/course/view.php?id=481> (FAO E-learning Center).

## **PART V: REGIONAL/NATIONAL PROJECTS AND INITIATIVES**

6.1 Various activities were held at regional or national level. These are highlighted in Annexes 1-6 under regional/national events and projects/direct assistance to countries. The information is available at <http://www.fao.org/food/food-safety-quality/home-page/en/> (FAO) and <http://www.who.int/foodsafety/capacity/en/> (WHO) and Codex webpages.

6.2. Some projects focus directly on food safety and/or quality, while for others food safety is a component of a broader project. Information on the activities supported by the Codex Trust Fund can be found in CX/CAC 19/42/18.

6.3. Support to Technical Cooperation Projects (TCPs) is one of the Joint FAO/IAEA Division's key activities with a focus on building capacities for food safety analysis and control systems, as well as transfer of knowhow and new technologies to counterparts in Member States. Currently, the Joint FAO/IAEA Division is providing technical support to 60 IAEA TCPs in food safety and control, with 51 national, 8 regional and one inter-regional projects covering a range of contaminants, including veterinary drug and pesticide residues, mycotoxins, toxic metals and radionuclides. Selected projects are highlighted in Annexes 1-6 under regional/national projects/direct assistance to countries. A full list of projects can be found at: <https://www.iaea.org/publications/14668/food-and-environmental-protection-newsletter-vol-23-no-1-january-2020>

## ANNEX 1

## AFRICA

**REGIONAL/NATIONAL EVENTS**

<b>Activity (Workshop/Seminar/Training Course)</b>	<b>Organizers</b>	<b>Dates</b>	<b>Venue</b>
Training workshop on chemical risk assessment as the basis for standard setting	FAO	17-21 June 2019	Antananarivo, Madagascar
Building Capacity on Sanitary and Phytosanitary Measures (SPS) - Workshop for ECOWAS Member States	FAO	6-9 August 2019	Accra, Ghana
Lancement du projet FFC et formation Codex – Structure et fonctionnement de Codex Alimentarius.	FAO	13-14 August 2019	Priaia, Cabo Verde
National training on risk profiling and risk ranking	WHO/FDA Ghana	20-23 August 2019	Accra, Ghana
National dissemination workshop of the Total Diet Study	WHO/FAO/ANSSA	September 2019	Koulikoro and Segou, Mali
Atelier de sensibilisation des Partenaires techniques et Financiers aux activités du Codex	WHO/FAO/NCC	October 2019	Ouagadougou, Burkina Faso
Training on integrated AMR surveillance and antibiotic susceptibility testing of foodborne pathogens and data management using WHONET	WHO	17-21 June 2019	Ndola, Zambia
Technical support to Member Countries in addressing gaps in food safety control systems such as difficulties in the accessibility and affordability of food safety reference materials, as well the need to enhance laboratory capability in analysis of residues and contaminants. Scientists from Benin, Botswana, Morocco and Nigeria were trained on production of reference material according to ISO 17034:2016 requirements promoting proficiency testing and facilitating ISO accreditation.	Joint FAO/IAEA Division	Six weeks, July through August 2019	National Metrology Institute of South Africa (NMISA)
FAO Sub regional office for Eastern Africa regional Workshop on Capacity Building and Planning in Nutrition	FAO	September 2019	Addis Ababa, Ethiopia
Lancement du projet FFC et formation Codex – Structure et fonctionnement de Codex Alimentarius.	FAO	11-12 September 2019	Bamako, Mali
Renforcement de capacités sur les Mesures Sanitaires et Phytosanitaires (SPS) - Atelier à l'endroit des Etats membres de la CEDEAO	FAO	17-20 September 2019	Ouagadougou, Burkina Faso
National INFOSAN workshop to strengthen collaboration and communication for detection and response to foodborne disease	WHO/INFOSAN Secretariat/FDA	8-10 October 2019	Accra, Ghana

outbreaks	Ghana		
Joint FAO-Cefas Pan-African Regional Workshop on Bivalve Mollusc Sanitation	FAO and Cefas	11-12 November 2019	Nairobi, Kenya
Training workshop on risk based imported food control	FAO	10-13 February 2020	Antananarivo, Madagascar
Training workshop on preliminary risk management activities: Risk profiling, risk prioritization	FAO	11-13 February 2020	Koforidua, Ghana
Training workshop on Codex Alimentarius	FAO	24-27 February 2020	Antananarivo, Madagascar

### **PROJECTS/DIRECT ASSISTANCE TO COUNTRIES**

<b>Activity</b>	<b>Organizers</b>	<b>Countries</b>	<b>Status</b>
Development of the Africa Food Safety Index (AFSI) and incorporation in the CAADP biennial review	FAO/AUC	Members of AUC (African Union Commission)	FAO has supported the African Union Commission in the development of the Africa Food Safety Index (AFSI). AFSI provides the platform to effectively track progress made in achieving food safety on the continent. AFSI include three groups of indicators: Food Safety System Indicator (FSSI), Food Safety Health Indicator (FSHI), and Food Safety Trade Indicator (FSTI).
Codex Trust fund – Madagascar UNJP/GLO/887/WHO	FAO	Madagascar	ongoing
Support by FAO to COMESA Trade Facilitation Programme (GCP/INT/387/COM)	FAO	COMESA Member Countries	ongoing
Codex Trust Fund (GCP/GLO/893/MUL)	FAO	Cabo Verde, Mali, Nigeria, The Gambia, Rwanda, Uganda, Kenya, Tanzania, Burundi, South Sudan.	ongoing
Support to the strengthening of Food Control Systems in Ghana (TCP/GHA/3702)	FAO	Ghana	ongoing
Strengthening national control system in Liberia to ensure safety of foods and improve trade (TCP/LIR/3702)	FAO	Liberia	ongoing
Amélioration de la prévention et de la réponse aux urgences de sécurité sanitaire des aliments au Sénégal et au Burkina Faso (GCP/SEN/072/LUX)	FAO	Burkina Faso, Senegal	ongoing

Mapping and Profiling of animal slaughtering establishments in Ghana	FAO	Ghana	Completed
Aquaculture Enterprise Development Project	FAO	Zambia	ongoing
Technical Assistance Support Project to Angola	FAO	Angola	ongoing
Operationalization of the SE4All Action Agenda in promoting inclusive Environmentally-sound and low	FAO	Gambia	ongoing
Appui d'urgence aux victimes des inondations dans les Departments de la Likouala et de la Cuvette	FAO	Congo	ongoing
Fisher Community Resilience Enhancement Project (FICREP)	FAO	South Sudan	ongoing
Webinar on nutrition sensitive food systems for partner universities	FAO	Ghana, Kenya	Completed
E-learning course on leveraging SMEs for nutrition sensitive food systems	FAO	Ghana, Kenya	Pipeline
Training programmes delivered under the project "Policy Support on Public Food Procurement for Government-led Home Grown School Food initiatives(GCP/GLO/775/ITA)	FAO	Ethiopia, Senegal	Completed
Contributing to the Implementation of the National Agricultural Development Programme Through Strengthening Soil, Water and Nutrient Management Practices Including Food Safety Using Nuclear and Related Techniques	FAO/IAEA	Algeria	Ongoing
Upgrading Laboratory Services for Control of Food Quality for Human and Animal Consumption	FAO/IAEA	Angola	Ongoing
Strengthening National Capacities for Monitoring and Testing Veterinary Drug Residues in Food	FAO/IAEA	Burundi	Ongoing
Expanding Analytical Capabilities for Systematic Control of Veterinary Drug Residues and Related Contaminants in Foodstuff	FAO/IAEA	Benin	Ongoing
Enhancing Capabilities for a Holistic Approach to Testing Food Hazards in Poultry Production and Products	FAO/IAEA	Botswana	Ongoing
Improving Laboratory Testing Capabilities to Enhance the Safety and Competitiveness of Agricultural Products	FAO/IAEA	Cameroon	Ongoing
Controlling Food and Feed Contaminants in Fish Production	FAO/IAEA	Democratic Rep. of the Congo	Ongoing
Developing Analytical Capabilities for Food Safety	FAO/IAEA	Eritrea	Ongoing
Strengthening Capabilities to Monitor Contaminants in Food and the Environment	FAO/IAEA	Cote d'Ivoire	Ongoing

Building Capacity to Analyse Veterinary Drug Residues and Related Chemical Contaminants in Animal Products	FAO/IAEA	Mauritius	Ongoing
Strengthening Laboratory Capacity to Analyse and Monitor Residues and Contaminants in Foods	FAO/IAEA	Mauritania	Ongoing
Enhancing Control of Chemical Food and Feed Contaminants, Animal Disease Diagnosis and Trade in Fresh Fruits	FAO/IAEA	Morocco	Ongoing
Strengthening Confirmatory Analytical Capabilities for Veterinary Drug Residues and Related Contaminants in Animal Products	FAO/IAEA	Mozambique	Ongoing
Developing Capacity of the National Standard Institution and Agro-Marketing and Trade Agency in the Areas of Food Safety	FAO/IAEA	Namibia	Ongoing
Strengthening Capacity of the Public Health Laboratory to Monitor Food Contaminants	FAO/IAEA	Niger	Ongoing
Strengthening Laboratory Capacity to Analyse and Monitor Food Contaminants by Standards Board	FAO/IAEA	Rwanda	Ongoing
Strengthening Laboratory Capabilities for Analysing Veterinary Drug Residues and Contaminants in Food	FAO/IAEA	Senegal	Ongoing
Strengthening Laboratory Capabilities to Enhance Food Safety Using Nuclear and Complimentary Analytical Techniques	FAO/IAEA	Seychelles	Ongoing
Enhancing the Capacity to Monitor Pesticide and Veterinary Residues in Food Using Nuclear and Complementary Techniques	FAO/IAEA	Sudan	Ongoing
Strengthening the Evaluation of Quality, Monitoring and Control Programmes for Food Contaminants	FAO/IAEA	Sudan	Ongoing
Strengthening Capabilities of Two Central Food Safety Laboratories and Selected Regional Veterinary Centres of Public Health	FAO/IAEA	Uganda	Ongoing
Strengthening and Expanding Analytical Capacity to Monitor Food Contaminants using Nuclear/Isotopic and Complementary Tools	FAO/IAEA	Zambia	Ongoing
Strengthening Food Contaminant Monitoring and Control Systems and Enhancing Competitiveness of Agricultural Exports using Nuclear and Isotopic Techniques	FAO/IAEA	30 Countries in Africa	Ongoing
Strengthening the national Codex programme and capacities to effectively participate in Codex (funded through the CTF)	WHO/FAO/NCCs	Benin, Burkina Faso, Cote d'Ivoire, Guinea, Malawi, Senegal	Ongoing
Elaboration of multisectoral food safety strategy	WHO/MOH	Algeria, Cameroon	Ongoing; (Cameroon pipeline)
Country / pilot projects for integrated surveillance of foodborne antimicrobial resistance (AGISAR)	WHO/AGISAR	Ethiopia, Chad, South Africa, Tanzania Zambia, South Africa	Completed

Implementation of ESBL and its ancillary study findings and recommendations	WHO	The Gambia	Pipeline
Implementation of the ESBL <i>Escherichia coli</i> Tricycle surveillance, a One Health integrated surveillance on AMR in the food chain and environment	WHO/AGISAR	Burkina Faso, Ghana, Nigeria, Madagascar and Senegal	Ongoing (Ghana, Zimbabwe, Zambia); Completed (Madagascar); Pipeline (Burkina Faso, Nigeria and Senegal)
Review of food legislation	WHO/MOH	Mauritius	Ongoing
Rolling out of the Safer food for all (SFFA) training package	WHO/NCC	Sierra Leone	Completed
Situation analysis of food safety and risk profiling	WHO/MOH	Lesotho	Completed
National workshop on integrated AMR surveillance and the use of WHONET	WHO/MOH	Zimbabwe	Completed
Elaboration of food safety emergency response plan	WHO/FDA	Ghana	Completed
Training of food inspectors and sensitization campaigns	WHO/MOH	Madagascar	Completed
Capacity building of health workers on food hygiene within the frame of management of severe acute malnutrition	WHO	Guinea	Completed
Food safety promotion campaigns in schools	WHO/MOH	Comoros	Completed

**ANNEX 2****ASIA****REGIONAL/NATIONAL EVENTS**

<b>Activity (Workshop/Seminar/Training Course)</b>	<b>Organizers</b>	<b>Dates</b>	<b>Venue</b>
Training workshop on risk categorization to support risk based inspection planning and reporting	FAO	24-28 February 2020	Bandung, Indonesia
National training workshop on Enhancing Effective Participation in Codex Activities in Cambodia: Codex simulation (GCP/RAS/295/JPN)	FAO	18 – 20 February 2020	Phnom Penh, Cambodia
Codex Trust Fund Inception Workshop under CTF2 Project	WHO/FAO/FSSAI	21 June 2019	New Delhi, India
Multisectoral workshop to strengthen the national food safety system	WHO	June 2019	Majuro, Marshall Islands
National Food Safety Workshop (DPRK)	WHO	29-30 July 2020	Pyongyang
National workshop on food import and export inspection and certification systems under CTF2 Project	DFTQC/WHO/FAO	11-12 August 2019	Dhulikhel, Nepal
Regional training course on cost-effective analysis of targeted veterinary drug residues and associated hazards in food (29 participants from 13 Asian countries)	FAO in collaboration with the College of Veterinary Medicine, Iowa State University	26 – 30 August 2019	Malaysia
National workshop on food import and export inspection and certification systems under CTF2 Project	DFTQC/WHO/FAO	11-12 August 2019	Dhulikhel
National workshop on food import and export inspection and certification systems under CTF2 Project	BAFRA/WHO/FAO	14-16 August 2019	Paro, Bhutan
Sub-regional Training for officials of Codex on the function and management of Codex work under CTF2 Project	FSSAI/WHO/FAO	27-30 August 2019	New Delhi, India
Twenty-first Session of FAO/WHO Coordinating Committee for Asia (CCASIA)	FAO/WHO	23-27 September 2019	Goa, India
Workshop on Chemical Risk Analysis Framework for Food Safety under CTF2 Project	WHO/FSSAI/FAO	21-24 October 2019	Lucknow, India
World Seafood Congress	FAO and IAFI	9-11 September 2019	Penang, Malaysia

FAO GM Foods Platform global community meeting	FAO	10-13 September 2019	Bangkok, Thailand
Regional Workshop to strengthen capacity on understanding and preparing a successful application for FAO/WHO Codex Trust Fund (CTF) (GCP/RAS/295/JPN)	FAO	21 – 23 October 2019	Bangkok, Thailand
National Forum on IPM and food safety	FAO	28-29 October 2019	Siem Reap, Cambodia
Regional workshop on sharing of information on food safety indicators	FAO	5-6 November 2019	Wuhan, China
Regional Workshop on “Development of a Set of National Food Safety Indicators” in ASEAN (GCP/RAS/295/JPN)	FAO	19 – 21 November 2019	Bangkok, Thailand
Meeting of Member States on “Framework for Action on Food Safety in The WHO South-East Asia Region”	WHO	25-27 November 2019	Kathmandu, Nepal
INFOSAN Global Meeting and INFOSAN Asia – support countries participation (Lao People’s Democratic Republic, Malaysia, Mongolia, Viet Nam, Bhutan, Indonesia, Maldives, Thailand)	WHO and FAO, Ministry of Food and Drug Safety, Republic of Korea (donor)	9-12 December 2019	United Arab Emirates
National training course on “Strengthening Capacity on Data Generation for Pesticide Residue for establishment of MRLs” in Lao PDR (GCP/RAS/295/JPN)	FAO	16 – 20 December 2019	Vientiane, Lao PDR
Awareness Workshop on Codex Activities and Standard Setting Process under CTF2 Project	DFTQC/WHO/FAO	24 December 2019	Kathmandu, Nepal
Development of food safety policy	WHO/FAO	2019	Sri Lanka
Training on management of National Codex Committee	WHO	2019	Sri Lanka
Establishment of National Codex Committee and development of standard operating procedure and training	WHO	2019	Myanmar
Study of pesticide residues in vegetables and rice	WHO	2019	Myanmar
Risk-based food inspection workshop	WHO	2019	Myanmar
Risk-based food inspection training	WHO	2019	Cambodia
World Food Safety Day 2020: Food safety in the new normal <sup>5</sup>	FAO/WHO/WFP/OIE	June 3, 2020	On line

<sup>5</sup> <https://www.youtube.com/watch?v=5HYSd2yecYM&feature=youtu.be>



Risk communication campaign: Advice on food safety and healthy eating during the COVID-19 outbreak <sup>6</sup>	WHO	Regional	Finalized
Risk communication on COVID-19 advice for religious and mass gatherings with focus on food safety and shopping safely for the Ramadan <sup>7</sup>	WHO	Regional	Finalized

### **PROJECTS/DIRECT ASSISTANCE TO COUNTRIES**

<b>Activity</b>	<b>Organizers</b>	<b>Countries</b>	<b>Status</b>
Building Capacity in Improving Food Safety Using Nuclear and Other Complementary Analytical Techniques	FAO/IAEA	Bangladesh	Ongoing
Strengthening National Capability for Food and Feed Safety	FAO/IAEA	Cambodia	Ongoing
Enhancing Food Safety Analytical Capabilities for Veterinary Drug Residues and Related Contaminants Using Isotopic Techniques	FAO/IAEA	Mongolia	Ongoing
Supporting Analysis of Pesticide Residues in Agricultural Products	FAO/IAEA	Nepal	Ongoing
Advancing Laboratory Capabilities to Monitor Veterinary Drug Residues and Related Contaminants in Foods	FAO/IAEA	Philippines	Ongoing
Strengthening National Capability for Food and Feed Safety	FAO/IAEA	Sri Lanka	Ongoing
Strengthening Food Safety Laboratory Capacities	FAO/IAEA	Thailand	Ongoing
Enhancing Food Safety Laboratory Capabilities and Establishing a Network in Asia to Control Veterinary Drug Residues and Related Chemical Contaminants	FAO/IAEA	17 Countries in Asia and the Pacific	Ongoing
Enhancing Food Safety and Supporting Regional Authentication of Foodstuffs through Implementation of Nuclear Techniques (RCA)	FAO/IAEA	21 Countries in Asia and the Pacific	Ongoing
Promoting Food Irradiation by Electron Beam and X Ray Technology to Enhance Food Safety, Security and Trade (RCA)	FAO/IAEA	21 Countries in Asia and the Pacific	Ongoing
Webinar on nutrition sensitive food systems for partner universities	FAO	Vietnam	Completed
E-learning course on leveraging SMEs for nutrition sensitive food systems	FAO	Vietnam	Pipeline
Support for Capacity Building for International Food Safety Standard Development and Implementation in ASEAN Countries	FAO	ASEAN member states	Ongoing

<sup>6</sup> <https://www.who.int/westernpacific/emergencies/covid-19/information/food-safety>

<sup>7</sup> <https://www.who.int/westernpacific/emergencies/covid-19/information/religious-mass-gatherings>

(GCP/RAS/295/JPN)			
Developing national food safety indicators for priority identification and proposal formulation (TCP/BGD/3802)	FAO	Bangladesh	Ongoing
Strengthening imported food control and the development of national food safety indicators	FAO	Bhutan	Ongoing
Development of Standards and Scheme for Good Agriculture Practices (GAP) Implementation and Certification based on ASEAN GAP (TCP/CMB/3608)	FAO	Cambodia	Completed
Pilot Street Food Safety Programme (TCP/PAK/3602)	FAO	Pakistan	Completed
Strengthening spice value chain in India and improving market access through capacity building (MTF/IND/198/STF)	FAO	India	Ongoing
Support in developing efficient food control management systems (TCP/MON/3705)	FAO	Mongolia	Ongoing
Support for Modelling, Planning and Improving Dhaka`s Food System (GCP/BGD/066/NET)	FAO	Bangladesh	Ongoing
Strengthening food safety management systems through application of risk-based preventive measures and enhanced food control, of update the multisectoral food emergency preparedness and response plan	FAO/WHO	Mongolia	On going
Codex Trust Fund Project	WHO/FAO	Bhutan, India and Nepal	Ongoing
Support the development of the Philippine Food Safety Crisis Management Plan	WHO	Philippines	Finalized. Need to be implemented.
Development of the Food Safety Policy	WHO	Cambodia	Document finalized and translated to national language. Needs to be approved by the government and implemented.
Rice wine contamination technical support	WHO	Cambodia	On going
Strategic planning for food safety	WHO	Papua New Guinea	On going
Risk Communication material regarding food safety in flooding for different stakeholders <sup>8</sup>	WHO	Regional	Finalized
Guidance to food safety officials on assessing their progress towards implementing the <i>Regional Framework for Action in the</i>	WHO	Cambodia	Finalized.

<sup>8</sup> <https://www.who.int/westernpacific/emergencies/emergency-advice/food-safety>

<i>Western Pacific Region</i>			
The Tricycle Project - WHO Integrated Global Survey on ESBL-producing <i>E. coli</i> using a "One Health" approach. The project is funded directly by FOS HQ.	WHO	Malaysia	Ongoing
Tricycle Project - WHO Integrated Global Survey on ESBL-producing <i>E. coli</i> using a "One Health" approach	WHO	India	Ongoing
In China, provision of technical support and collaboration with China National Center for Food Safety Risk Assessment (CFSA) contributed to enhance monitoring of AMR in the food chain.	WHO	China	Ongoing
Strengthening food safety management systems through application of risk-based preventive measures and enhanced food control, of update the multisectoral food emergency preparedness and response plan	FAO/WHO	Mongolia	Ongoing
Assessment of the national capacity of food analysis laboratories in line with the Regional Framework for Action on Food Safety in the Western Pacific	WHO	Mongolia	Ongoing
Assessment of the implementation of the <i>Regional Framework for Action in the Western Pacific Region</i>	WHO	Regional	Ongoing

**ANNEX 3****EUROPE****REGIONAL/NATIONAL EVENTS**

<b>Activity (Workshop/Seminar/Training Course)</b>	<b>Organizers</b>	<b>Dates</b>	<b>Venue</b>
Workshop on nutrition and food safety, based on the surveys with the RV Dr Fridtjof Nansen	FAO and IMR	2nd-4th July 2019	Rome, Italy
Pre-CCEURO31 workshop "Antimicrobial resistance (AMR) from a food safety perspective - lessons learned and the way forward"	FAO/WHO	29 September 2019	Almaty, Kazakhstan
FAO/WHO Coordinating Committee for Europe	FAO/WHO	30 September – 4 October 2019	Almaty, Kazakhstan
FAO Technical Workshop on Risk Based Fish Inspection at Borders	FAO	30 October-1 November 2019	Rome, Italy
Experts Meeting on Dietary Patterns for Health and Sustainability in the WHO European Region	WHO	31 October – 1 November 2019	Copenhagen, Denmark
Sustainable development of coastal communities	FAO and CIHEAM	9th-16th November 2019	Tricase, Italy
FAO Regional meeting on "Appropriate food safety regulations in diverse food sectors"	FAO	26-28 November 2019	Belgrade, Serbia
FAO Regional meeting on "Second Regional Consultation on Geographical Indications"	FAO	27-28 November 2019	Budapest, Hungary
Regional discussion on opportunities for strengthening participation in the International Food Safety Authorities Network (INFOSAN)	WHO/FAO/EFSA	10 December 2019	Abu Dhabi, United Arab Emirates
International conference on Food Safety Risk Analysis and Antimicrobial Resistance	FAO and Russian Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing (Rospotrebnadzor)	17-18 December 2019	Moscow, Russia
Webinar on Veterinary drug residues in food of animal origin – A public health concern	WHO Eurasian Economic Commission	August 2020	Online (Russian Federation, Kyrgyzstan, Kazakhstan, Armenia, Tajikistan)
FAO Regional Conference for Europe and Central Asia (ERC) Round Table Session on sustainable food systems and healthy diets	FAO	May 2020 (postponed)	Tashkent, Uzbekistan
World Food Safety Day 2020	FAO/WHO	7 June 2020	Regional

Training Course on Contributing to sustainable food systems through food quality and safety management systems and food loss and waste reduction	FAO	September 2020 (tentative)	Budapest, Hungary
A technical meeting on food fraud: Experiences from the region and potential prevention and counteraction mechanisms	FAO and National Sanitary Veterinary and Food Safety Authority in Romania	28-30 September 2020 (tentative)	Bucharest, Romania
Regional workshop on improving national food safety systems and regional cooperation (FAO Turkey Partnership Programme FTTP- 2)	FAO	November 2020 (tentative)	Ankara, Turkey
Technical guidance document on safe and healthy food in traditional food markets in the European Region	WHO	October 2020 (tentative)	Regional

### **PROJECTS/DIRECT ASSISTANCE TO COUNTRIES**

<b>Activity</b>	<b>Organizers</b>	<b>Countries</b>	<b>Status</b>
EAF-Nansen Programme	FAO and IMR	Global Project	ongoing
Regional Office for the Near East and North Africa (RNE) Regional Capacity Building Workshop of Country Focal Points on Mainstreaming Nutrition in FAO field programmes	FAO	September 2019	Cairo, Egypt
“Reducing the advance of AMR in food and agriculture” (GCP /RER/057/RUS) Improving the ability of target countries to assess and analyze the existing AMR and AMU knowledge, and strengthening the capacities and regulatory frameworks related to AMU in food, agriculture, fisheries and livestock, and raising awareness on roles and responsibilities in the food and agriculture sectors	FAO	Armenia, Republic of Belarus, Republic of Kazakhstan, Kyrgyz Republic, Republic of Tajikistan	Ongoing 30 March 2017 - November 2021
“Strategies for Food Loss and Waste Reduction” (TCP/RER/3702) Enhance reduction FLW in the programme implementation areas, resulting in a reduction of the national contribution to climate change, and a mitigation of the pressure on national food systems for increased production. Food safety aspects of FLW reduction and food redistribution are also considered during the development of national FLW reduction strategies	FAO	Albania, Armenia, Moldova, North Macedonia	Ongoing 01 August 2018 - 31 July 2020
National seminar on Codex Alimentarius and the Codex Trust Fund	WHO	Tajikistan	23 August 2019
Simulation Exercise on ‘Testing coordination and response to	WHO	Kazakhstan	27-28 August 2019

zoonotic disease (salmonellosis) in Kazakhstan'			
National seminar on Codex Alimentarius and the Codex Trust Fund	WHO	Republic of Moldova	24 September 2019
Technical support to strengthen participation in Codex Alimentarius and prepare application for the Codex Trust Fund	WHO	Republic of Moldova	20-25 October 2019
Technical support to prepare application for the Codex Trust Fund on National Sustainable Capacity Building on Codex Alimentarius	WHO	Kazakhstan	27 October to 1 November 2019
Technical support to strengthen national sustainable capacity building on Codex Alimentarius through implementation of CTF supported project	WHO	Kazakhstan	Ongoing (2020-2023)
In-country technical support for implementation planning of the Codex Trust Fund supported project on building technical capacity for sustainable Codex Alimentarius activities in Turkmenistan	WHO	Turkmenistan	26-29 November 2019
Technical support to strengthen food safety incident and emergency response in Uzbekistan	WHO	Uzbekistan	28-30 January 2020
Technical support to strengthen effective participation in Codex Alimentarius	WHO	Kyrgyzstan	Ongoing until December 2020
Improving national food safety systems and regional cooperation (FAO Turkey Partnership Programme FTTP- 2)	FAO	Azerbaijan, Kyrgyzstan, Moldova, Tajikistan	In pipeline June 2020 - May 2023
Black Sea Economic Cooperation Organization Regional Cooperation Centre for Sustainable Food Systems (BSEC-RCC-SFS)(FAO Turkey Partnership Programme FTTP- 2)	FAO	Albania, Armenia, Azerbaijan, Bulgaria, Georgia, Greece, Moldova, Romania, Russian Federation, Serbia, Turkey, Ukraine	In the pipeline February 2020 - January 2024
Reduction of Food Loss and Waste in the SEC Countries(FAO Turkey Partnership Programme FTTP- 2)	FAO	Azerbaijan, Kazakhstan, Kyrgyzstan, Tajikistan, Turkey, Turkmenistan, Uzbekistan	Ongoing November 2019 - October 2021
Strengthening the administrative system to manage and support sustainable geographical indications (TCP/SEC/3704/C2)	FAO	Turkey, Uzbekistan	Ongoing 15 September 2019 – 31 December 2020
Building MARDWA administrative capacities for technical negotiations with EU in agriculture and rural development (TCP/ALB/3606)Strengthening producer groups and the administrative capacities of the institutions and local authorities to promote the products as geographical indications	FAO	Albania	Ongoing August 2017 - December 2020
Linking smallholder dairy producers to a sustainable school food and nutrition program (TCP/ALB/3702/C2)	FAO	Albania	Ongoing 10 November 2019 – 30 April 2020 (to be extended)

Assessment of hygiene practices and milk safety and quality in small-scale dairy farms in Baldushk district of Albania	FAO	Albania	10 December 2019 – 31 August 2020
Strengthening food safety and animal health capacities in risk assessment and management (TCP/ARM/3702)	FAO	Armenia	Ongoing 01 March 2019 - 31 December 2020
Technical Support to the Food Safety Agency (TCP/AZE/3703/C3)	FAO	Azerbaijan	Ongoing 01 December 2018 - 01 July 2020
Strengthening the official food safety control system and facilitating market access of food products (TCP/BYE/3702)	FAO	Belarus	Ongoing 01 April 2019 - 31 March 2021
“Strengthening of the private and public sector capacities in priority value chains” (TCP/BIH/3705) Strengthening producer groups and the administrative capacities of the institutions and local authorities to promote the products as geographical indications	FAO	Bosnia and Herzegovina	Ongoing 15 November 2019 – 15 November 2021
Analysis of potential to increase food donations in Georgia as part of food waste initiatives including food safety and quality aspects (under the project entitled “FAO support to technical assistance of Ministry of Agriculture and delivery of agriculture services under ENPARD III” (GCP/GEO/011/EC)	FAO	Georgia	Ongoing 01 January 2018 – 30 November 2022
Technical Assistance to the Georgian National Food Agency for meeting of the EU Association Agreement priorities (TCP/GEO/3703)	FAO	Georgia	Ongoing 08 May 2019 – 08 October 2020
Enhancing Capacity of Kyrgyz Fruit and Vegetable Industry to Implement GAP, GHP AND HACCP (STDF/PG/569/KYR – MTFKYR/021/STF)	FAO	Kyrgyzstan	Ongoing 01 January 2020 – 31 December 2022
Supporting multi-stakeholder engagement on the role of diets and food systems in the prevention of obesity and non-communicable diseases in Kyrgyzstan	FAO	Kyrgyzstan	Ongoing
Support on strengthening effective participation in Codex	FAO/WHO, supported by Codex Trust Fund	North Macedonia	Ongoing 6 March 2019
Food Safety and Quality Standards in the Dairy Sector in North Macedonia (TCP/MCD/3704/C3)(Enhance capacities of the Government bodies in the concept and purpose of CMO regulations and receive specific recommendations for their implementation, with a focus on the food safety and quality aspects)	FAO	North Macedonia	Ongoing 01 April 2020 – 01 April 2021
Enabling Market Access for Tajik Agricultural Products Through Improved Food Safety System (STDF/PG/447) FAO is responsible for Output 1: Regulatory and control system for use of agri-chemicals and veterinary medicines established and operational.	ITC and FAO	Tajikistan	Ongoing November 2018– October 2021

Support to Ministry for Agriculture on institutional strengthening and food safety policy and strategy development (GCP /TAJ/013/EC) Includes support on imported food border control procedures, and purchase of relevant laboratory equipment	FAO	Tajikistan	Ongoing 01 Jan 2016 - 31 Dec 2020
Improving capacity and monitoring system of GMO in Tajikistan (TCP/TAJ/3702/C2)	FAO	Tajikistan	Ongoing 01 May 2019 – 30 September 2020
Strengthening Institutions and Capacity of the Ministry of Agriculture & State Veterinary Inspection Service for Policy Formulation (GCP/TAJ/013/EC) Strengthening producer groups and the administrative capacities of the institutions and local authorities to promote the products as geographical indications	FAO/EU	Tajikistan	Ongoing 01 January 2016 – 31 December 2020
Enhancing National Programmes for Testing and Monitoring Food Contaminants and Residues	FAO/IAEA	Georgia	Ongoing
Building Capacities in Effectively Irradiating Food	FAO/IAEA	Kazakhstan	Ongoing
Establishing Effective Testing and Systematic Monitoring of Residues and Food Contaminants and of Transboundary Animal Diseases	FAO/IAEA	Kyrgyzstan	Ongoing
Strengthening Technical and Institutional Capacities of the National Reference Laboratory for Food and Feed Control	FAO/IAEA	Montenegro	Ongoing
Enhancing National Capacities to Standardize Nuclear Based and Related Techniques for Food Safety and Detection of Irradiated Food	FAO/IAEA	North Macedonia	Ongoing



**ANNEX 4****LATIN AMERICA AND THE CARIBBEAN****REGIONAL/NATIONAL EVENTS**

<b>Activity (Workshop/Seminar/Training Course)</b>	<b>Organizers</b>	<b>Dates</b>	<b>Venue</b>
Codex Alimentarius: Strengthening food safety in trade	CCLAC Secretariat	5 June 2019	Santiago, Chile
Webinar with Jamaica, importance of speaking Codex language	Codex Secretariat	October 2019	Virtual Meeting
Regional training on JMPR procedures for the evaluation of pesticide residue data and risk assessment for MRL setting	FAO and the Chilean Food Safety Agency (ACHIPIA).	17-21 February 2020	Santiago, Chile
Workshop on Improving Risk-based Inspection in Latin America	PANAFTOSA-PAHO/WHO	25-26 November 2019	Brazil
Support the organization of the regional committee for Latin America and Caribbean (CCLAC)	PANAFTOSA-PAHO/WHO	19-25 October 2019	Chile
Regional Virtual seminar for Food Handlers	PANAFTOSA-PAHO/WHO	4 September 2019(English), 10 June 2020 (Spanish), 21 August 2020 (Portuguese)	Online (Latin America and the Caribbean)
World Food Safety Day 2020: "Safe Food Markets"	PANAFTOSA/PAHO/FAO	June 8, 2020	On line (Latin America)
World Food Safety Day 2020: "Safe Food Markets"	PANAFTOSA/PAHO/FAO	June 10, 2020	On line (The Caribbean)
Risk-Based Food Safety Training Programme	PANAFTOSA-PAHO/WHO	From July 2020-January 2021	Online (Guyana)
Hands-on-Training on development of multiresidue analysis for determination of pesticides and antimicrobials in food	PANAFTOSA-PAHO/WHO	28 July-2 August 2019	Honduras

Co-organization with GFN on a proficiency testing scheme on Serogrouping, serotyping and antimicrobial susceptibility testing of eight Salmonella isolates	PANAFTOSA-PAHO/WHO	23 August 2019	Online (Argentina, Belize, Bolivia, Brazil, Chile, Costa Rica, Colombia, Cuba, Ecuador, Honduras, Guyana, Jamaica, Nicaragua, Panama, Paraguay, Peru, Suriname, Uruguay and Venezuela)
Co-organization with INCQS of a proficiency testing scheme on determination of Iron in wheat flour	PANAFTOSA-PAHO/WHO	15 August 2019	Online (Brazil, Bolivia, Chile, Colombia, El Salvador, Honduras, Nicaragua, Paraguay, Panama, Suriname and Uruguay)
Co-organization with INCQS of a proficiency testing scheme on determination of mycotoxins in maize	PANAFTOSA-PAHO/WHO	15 August 2019	Online (Brazil, Colombia, El Salvador, Honduras, Suriname and Uruguay)
Co-organization with INCQS of a proficiency testing scheme on determination of tetracyclines in milk powder	PANAFTOSA-PAHO/WHO	31 August 2020	On-going
Co-organization with INCQS of a proficiency testing scheme on determination of sodium in pasta	PANAFTOSA-PAHO/WHO	31 August 2020	On-going
Co-organization with LATU of a proficiency testing scheme on enumeration of different pathogens in milk powder.	PANAFTOSA-PAHO/WHO	31 August 2020	On-going
Webinar: PAHO Strategy for containment and surveillance of antimicrobial resistance	PANAFTOSA-PAHO/WHO	22 November 2019	Online (Argentina, Bolivia, Brasil, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Guatemala, Haití, Honduras, México, Nicaragua, Panamá, Paraguay, Peru, Uruguay and Venezuela)
Webinar: Experience of the Microbiological Food Safety Reference Center (Costa Rica) in the use of molecular subtyping for the surveillance of foodborne pathogens	PANAFTOSA-PAHO/WHO	22 October 2019	Online (Argentina, Bolivia, Brasil, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Guatemala, Haití, Honduras, México, Nicaragua, Panamá, Paraguay, Peru, Uruguay and Venezuela)
Webinar: Microbiological method for assessing antimicrobial resistance (RAM) by sensidisk diffusion	PANAFTOSA-PAHO/WHO	18 October 2019	Online (Argentina, Bolivia, Brasil, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Guatemala, Haití, Honduras, México, Nicaragua, Panamá, Paraguay, Peru, Uruguay and

			Venezuela)
Webinar: Integrated surveillance of antimicrobial resistance	PANAFTOSA-PAHO/WHO	27 September 2019	Online (Argentina, Bolivia, Brasil, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Guatemala, Haití, Honduras, México, Nicaragua, Panamá, Paraguay, Peru, Uruguay and Venezuela)
Webinar: Introducing the equivalent of measurements in the food sector	PANAFTOSA-PAHO/WHO	24 September 2019	Online (Argentina, Bolivia, Brasil, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Guatemala, Haití, Honduras, México, Nicaragua, Panamá, Paraguay, Peru, Uruguay and Venezuela)
Webinar: Virtual seminar about AMR, food chain, and food analysis laboratories	PANAFTOSA-PAHO/WHO	25 July 2019	Online (Argentina, Bolivia, Brasil, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Guatemala, Haití, Honduras) Online (México, Nicaragua, Panamá, Paraguay, Peru, Uruguay and Venezuela)
Webinar: Serotyping of <i>Salmonella</i> spp.	PANAFTOSA-PAHO/WHO	9 July 2019	Online (Argentina, Bolivia, Brasil, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Guatemala, Haití, Honduras, México, Nicaragua, Panamá, Paraguay, Peru, Uruguay and Venezuela)
Webinar: World Accreditation Day	PANAFTOSA-PAHO/WHO	9 June 2020	Online (Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Paraguay, Peru, Dominican Republic, Uruguay and Venezuela).
Webinar: Interpretation of Interlaboratories and the benefits for participating laboratories.	PANAFTOSA-PAHO/WHO	3 July 2020	Online (Argentina, Honduras, Mexico, Paraguay, Brazil, Nicaragua, Venezuela, Peru, Colombia, Bolivia,

			Chile, Venezuela, Ecuador, Cuba, Uruguay)
Webinar: Verification of microbiological test methods as per the ISO/IEC 17025:2017.	PANAFTOSA-PAHO/WHO	28 August 2020	Online (Argentina, El Salvador, Mexico, Chile, Dominican Republic, Ecuador, Cuba, Colombia, Bolivia, Nicaragua, Paraguay, Guatemala, Venezuela, Peru, Honduras and Brazil)

### **PROJECTS/DIRECT ASSISTANCE TO COUNTRIES**

<b>Activity</b>	<b>Organizers</b>	<b>Countries</b>	<b>Status</b>
<b>Suriname Agriculture Market Access Project (SAMAP)</b> GCP/SUR/003/EC	FAO	Suriname	Ongoing 01 January 2018 – 30 September 2021
Strengthening the structure of the Focal Point, National Committee and its Consultation Mechanisms, to improve the management of the work of the Codex Alimentarius in Honduras	CTF	Honduras	Ongoing 01 July 2018 – 31 July 2021
EU Project : “Working together to combat antimicrobial resistance”	PAHO/FAO RLC/OIE	Argentina, Brazil, Chile, Colombia, Paraguay, Ecuador y Uruguay	On-going 01 January 2020- 31 December 2023
Setting regional risk assesment consortium	FAO RLC	Argentina,	
Developing laboratory capacity for testing contaminants in animal and related products including fish in Bahamas	FAO/IAEA	Bahamas	Ongoing
Strengthening Laboratory Capabilities to Monitor Contaminants in Fisheries Products	FAO/IAEA	Belize	Ongoing
Improving Capacity to Diagnose Residual Pesticides and other Contaminants in Exotic Tropical Fruits to Make Food Exports More Acceptable on the International Market	Joint FAO/IAEA	Colombia	Ongoing
Improving Analytical Capacity to Monitor Food Contaminants and Veterinary Drug Residues Using Nuclear/Isotopic and Complementary Techniques	FAO/IAEA	Costa Rica	Ongoing
Strengthening Capabilities to Analyse and Monitor Toxic Metals in Animal Products	FAO/IAEA	Costa Rica	Ongoing
Promoting Food Safety through the Mitigation of Contaminants in Fruits for Human Consumption	FAO/IAEA	Cuba	Ongoing
Enhancing Capacity to Monitor Agrochemical Residues in Foods and Related Matrices	FAO/IAEA	Dominica	Ongoing

Strengthening National Capabilities to Ensure Food Authenticity	FAO/IAEA	Dominican Republic	Ongoing
Reducing Post-Harvest Losses of Native Potatoes and other Fresh Foods by Irradiation	FAO/IAEA	Ecuador	Ongoing
Strengthening Laboratory Capacity to Test and Monitor Food Contaminants	FAO/IAEA	Haiti	Ongoing
Strengthening the Monitoring and Control System for Food Contaminants	FAO/IAEA	Nicaragua	Ongoing
Strengthening Analytical Capabilities for Risk-based Monitoring of Agricultural Products for Internal Consumption	FAO/IAEA	Panama	Ongoing
Improving Pollution Management of Persistent Organic Pollutants to Reduce the Impact on People and the Environment	FAO/IAEA	Countries in Latin America and the Caribbean	Ongoing
Applying Radio-Analytical and Complementary Techniques to Monitor Contaminants in Aquaculture	FAO/IAEA	14 Countries in Latin America and the Caribbean	Ongoing
Strengthening the Regional Collaboration of Official Laboratories to Address Emerging Challenges for Food Safety	FAO/IAEA	34 Countries in Latin America and the Caribbean	Ongoing
Improving Regional Testing Capabilities and Monitoring Programmes for Residues/Contaminants in Foods Using Nuclear/Isotopic and Complementary Techniques	FAO/IAEA	18 Countries in Latin America and the Caribbean	Ongoing
Support Codex Trust Fund Project activities	PANAFTOSA-PAHO/WHO	Honduras	On-going
Support Codex Trust Fund Project activities	PANAFTOSA-PAHO/WHO	Bolivia	On-going
Support Codex Trust Fund Project activities	PANAFTOSA-PAHO/WHO	Guatemala/El Salvador	On-going
Support Codex Trust Fund Project activities	PANAFTOSA-PAHO/WHO	Guyana	On-going
EU Project strengthening climate resilient health systems in the Caribbean	PAHO/WHO	The Caribbean	On-going 1 July 2020- 31 July 2023
Support virtually project development for application to Codex Trust Fund – round 3 for the strengthening the national Codex programme and capacities to effectively participate in Codex.	PANAFTOSA-PAHO/WHO	Suriname	On-going
Support virtually project development for application to Codex Trust Fund – round 3 for the strengthening the national Codex programme and capacities to effectively participate in Codex.	PANAFTOSA-PAHO/WHO	Dominican Republic	On-going

Publication of a Risk-based Food Inspection Manual for the Caribbean <sup>9</sup> .	PANAFTOSA-PAHO/WHO	Caribbean	Published
Risk communication materials: Infographics on COVID-19 and Food Industry.	PANAFTOSA-PAHO/WHO	Latin America and the Caribbean	Published

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<sup>9</sup> <https://iris.paho.org/handle/10665.2/51775>

**ANNEX 5****NEAR EAST/EASTERN MEDITERRANEAN****REGIONAL/NATIONAL EVENTS**

<b>Activity (Workshop/Seminar/Training Course)</b>	<b>Organizers</b>	<b>Dates</b>	<b>Venue</b>
Implementation of a national food control system assessment in Tunisia-Technical meeting and final workshop	FAO/UNIDO	01-04 April 2019	Tunis, Tunisia
Third Arab regional Codex workshop	FAO/UNIDO	06-07 April 2019	Khartoum, Sudan
Arab regional workshop on the use of FAO/WHO tool to assess national food control systems, in support of smart investments and strategic improvements	FAO/UNIDO	06-07 October 2019	Amman, Jordan
Regional Roundtable Dialogue "Trade in Food and Agriculture Challenges and Opportunities for Arab Countries", 16-17 July and side event on celebrating the World Food Safety Day.	FAO/LAS/UNIDO	16-17 July 2019	Cairo, Egypt
Consultative workshop "Strengthening Iraq's Food Control System"	FAO	24-25 July 2019	Baghdad, Iraq
Training workshop on "Strengthening Codex capacity in Egypt"	FAO	27-28 October 2019	Cairo, Egypt
Pre-CCNE workshop on enhancing participation in Codex through effective use of Codex on-line tools	FAO/UNIDO	09-10 November 2019	Rome, Italy
FAO/WHO Coordinating Committee for the Near East, 10 <sup>th</sup> session	FAO/WHO	11-15 November 2019	Rome, Italy
Multi-disciplinary insights on addressing food fraud (CCNE 10 Side event)	FAO	14 November 2019	Rome, Italy
FAO/WHO Diagnostic Tool for National Codex Programmes (CCNE10 Side event)	FAO/WHO	14 November 2019	Rome, Italy
Training workshop on "Developing A Risk-Based Imported Food Control System for Egypt "	FAO	18-21 November 2019	Cairo, Egypt
Training workshop on "Strengthening Codex capacity in Egypt"	FAO	25-27 November 2019	Alexandria, Egypt
Training workshop on "Strengthening Codex capacity in Egypt"	FAO	16-18 December	Aswan, Egypt
National Workshop to prepare the country assessment for food safety and environmental health	WHO Syria	9 March 2020	Damascus, Syria
Expert Consultation Meeting on the Health Impacts of Pesticide Residues in Fruits and Vegetables	WHO/CEHA	12-13 February, 2020	Amman, Jordan

Dietary Exposure Assessment of Chemicals in Jordan (Total Diet Studies Approach)	WHO Jordan	10 February 2020	Amman, Jordan
Training on case study: use of the Foodborne Disease surveillance manual: Simulate an enteric disease outbreak investigation.	WHO Sudan	1-3 December 2019	Khartoum, Sudan
Trade Integration for Food and Agricultural Commodities in Arab Countries: Challenges and Opportunities	FAO	16-17 July 2019	Cairo, Egypt
Training on data analysis for countries of the PulseNet Middle East foodborne disease surveillance network	WHO/EMRO-CDC	8-10 July 2019	Muscat, Oman

### **PROJECTS/DIRECT ASSISTANCE TO COUNTRIES**

<b>Activity</b>	<b>Organizers</b>	<b>Countries</b>	<b>Status</b>
Enhancement of regional trade capacities in food through a harmonized regional conformity assessment and food safety systems (UNJP/RNE/010/UID)	FAO/UNIDO	AIDMO members (Arab Industrial Development and mining Organization)	Project closed on 30 November 2019.
MDF project – Egypt: Enhancement of Egypt's food trade capacities through harmonized and improved national food control system.	FAO	Egypt	Project closed on 31 December 2019
FAO assistance to Iraq for the establishment of a risk based import control programme and development of a food safety strategy.	FAO	Iraq	Ongoing
Establishment of a food contamination monitoring system prototype. in Lebanon (TCP/LEB/3606)	FAO	Lebanon	Ongoing
Establishing a National Quality Control Standard for Foodstuffs and Fishery Products	FAO/IAEA	Bahrain	Ongoing
Developing Food Safety and Assurance System Using Nuclear and Other Related Technologies	FAO/IAEA	Iraq	Ongoing
Establishing an Isotopic Ratio Mass Spectrometry Laboratory Dedicated to Authentication and Provenance for Supporting the National Fraud Repression Scheme	FAO/IAEA	Lebanon	Ongoing
Strengthening Capacity for Exposure Assessment of Residues and Contaminants in the National Diet	FAO/IAEA	Lebanon	Ongoing
Enhancing National Capabilities in Food Safety and Traceability	FAO/IAEA	Oman	Ongoing



**ANNEX 6****NORTH AMERICA AND THE PACIFIC****REGIONAL/NATIONAL EVENTS**

<b>Activity (Workshop/Seminar/Training Course)</b>	<b>Organizers</b>	<b>Dates</b>	<b>Venue</b>
Training of risk-based inspection for Food Safety Officers	WHO	September 2019	Federal States of Micronesia
Regional Codex Coordinating Committee for North America and the South West Pacific (CCNASWP15)	FAO/ WHO	September 16-20, 2019	Port Vila, Vanuatu
World Food Safety Day 2020: Food safety in the new normal <sup>10</sup>	FAO/WHO/WFP/OIE	June 3, 2020	On line

**PROJECTS/DIRECT ASSISTANCE TO COUNTRIES**

<b>Activity</b>	<b>Organizers</b>	<b>Countries</b>	<b>Status</b>
Strengthening the capacity of the National Public Health Laboratory to provide services in support of market access for Solomon Islands fish exporters (MTF/SOI/003/STF)	FAO	Solomon Islands	Ongoing
Strengthening One-Health Programme in the Asia Pacific Region (TCP/RAS/3620)	FAO	Nepal, Papua New Guinea, Sri Lanka	Completed
Strengthening the sustainability of Solomon Islands NPHL to maintain international accreditation (TCP/SOI/3603)	FAO	Solomon Islands	Completed
Support to the Global Agriculture and Food Security Program (GAFSP) in Myanmar (GCP/MYA/027/GAF)	FAO	Myanmar	Ongoing
Technical support to monitor food safety and quality through capacity development of national food development/ diagnostic laboratory (TCP/VAN/3701)	FAO	Vanuatu	Ongoing
Development of national food safety indicators with a One Health approach	FAO	Cook Islands, Philippines	Ongoing
Risk Communication material regarding food safety in flooding for different stakeholders <sup>11</sup>	WHO	Regional	Finalized
Risk communication campaign: Advice on food safety and healthy	WHO	Regional	Finalized

<sup>10</sup> <https://www.youtube.com/watch?v=5HYSD2yecYM&feature=youtu.be>

<sup>11</sup> <https://www.who.int/westernpacific/emergencies/emergency-advice/food-safety>

eating during the COVID-19 outbreak <sup>12</sup>			
Risk communication on COVID-19 advice for religious and mass gatherings with focus on food safety and shopping safely for the Ramadan <sup>13</sup>	WHO	Regional	Finalized
Presentation of the <i>Regional Framework for Action on Food Safety in the Western Pacific</i> to senior food safety and health officials	WHO	Papua New Guinea	Finalized
Assessment of the implementation of the <i>Regional Framework for Action in the Western Pacific Region</i>	WHO	Regional	On going

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<sup>12</sup> <https://www.who.int/westernpacific/emergencies/covid-19/information/food-safety>

<sup>13</sup> <https://www.who.int/westernpacific/emergencies/covid-19/information/religious-mass-gatherings>