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FOOD AND AGRICULTURE
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HEALTH
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Agenda Item 15

JOINT FAO/WHO FOOD STANDARDS PROGRAMME

CODEX ALIMENTARIUS COMMISSION

Thirty-first Session

International Conference Centre Geneva, Geneva, Switzerland

30 June – 4 July 2008

OTHER MATTERS ARISING FROM FAO AND WHO (CAPACITY BUILDING)

(Prepared by FAO and WHO)

INTRODUCTION

1. During the past year various initiatives have been undertaken or continued by FAO and WHO, in collaboration with relevant partner organizations and institutions, to:

- further enhance the respective roles of the agriculture and health sectors in ensuring the quality and safety of the food supply,
- strengthen cooperation and collaboration between FAO and WHO and with other partners in the field of food safety and quality; and
- upgrade the capacity of developing member countries in food safety and food quality assurance and support their effective participation in Codex work.

2. This paper provides information on FAO's and WHO's global capacity building activities in food safety and quality during the reporting period (July 2007 to June 2008). The regional and national activities of each region are provided in the attached Annexes 1-6.

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|---------|---------------------------------|
| Annex 1 | Africa |
| Annex 2 | Asia |
| Annex 3 | Europe |
| Annex 4 | Latin America and the Caribbean |
| Annex 5 | Near East/Eastern Mediterranean |
| Annex 6 | Pacific |

3. FAO and WHO in-country activities are demand driven and should meet the identified priority needs of member countries. A number of tools to assist member countries to identify their capacity building needs have been developed specifically for this purpose. At this session of CAC, member countries are welcome to engage with FAO and WHO to ensure that global, regional and national capacity building activities continue to meet national priorities in the field of food safety, public health and food control activities.

TECHNICAL ASSISTANCE - OVERVIEW

4. FAO and WHO are engaged in a programme of technical assistance activities and projects at national, regional and international levels. The areas covered include strengthening food control systems, training of food control officials and technical staff (food control managers, food inspectors, and food analysts), enhancement of food control laboratory capabilities, implementation of risk analysis and risk assessment of microbiological hazards in food, support in establishing national Codex committees, policy advice and establishment of regulatory frameworks. More information is available from: www.fao.org/ag/agn/index_en.stm. FAO and WHO technical assistance activities are in support of the Codex Strategic Plan 2008 – 2013, in particular activities 1.7, 2.6 and 5.4.

SUPPORTING MATERIALS FOR CAPACITY BUILDING

5. FAO and WHO are also engaged in the development of a number of manuals, guidelines and training materials to facilitate the capacity building effort. These materials are particularly relevant to policy makers responsible for strengthening food control programmes. Most are developed jointly except for a few which are prepared under specific field projects operated either by FAO or WHO. These materials include the following:

- “Food Safety Risk Analysis: A guide for national food safety authorities” is now also available in French and Spanish. An accompanying CD-ROM comprising a slide presentation for training, related FAO and FAO training materials and risk analysis case studies is currently under finalization.
- “Animal Production and Health Manual: Good Practices for the Meat Industry” is now available in English, French, Spanish and Arabic, also on-line. The manual is a tool to comply with the Codex Code of Hygienic Practice for Meat (CAC/RCP 58-2005).
- FAO, in collaboration with the International Feed Industry Federation (IFIF), has produced a Manual of Good Practices for the Feed Industry, to assist in the practical implementation of the Codex Code of Practice for Good Animal Feeding (CAC/RCP 54-2004).
- FAO has collaborated with the OIE for the production of a “Guide to good farming practices for animal production food safety”. The guide is intended to help competent authorities to assist stakeholders, including farmers, to fully assume their responsibilities at the first stage of the food chain to produce safe food of animal origin.
- WHO updated the GMP-HACCP and auditing teaching material in Portuguese and Spanish. With this new teaching material a round of train-the-trainers in the Central American region has been accomplished in collaboration with other international agencies (IICA and OIRSA).
- FAO has begun work on a CD-Rom based technical resource package on food hygiene and quality assurance. The target audience for the resource package includes governmental and non-governmental organizations that provide training and other technical support to small and medium-scale businesses on programmes of food hygiene and quality assurance.
- The FAO tool “Strengthening the capacity of national food control systems: Guidelines to assess capacity building needs” is now also available in French and Spanish.
- FAO, together with WHO and ICD, have developed a Basic Awareness Course on Microbiological Risk Assessment (MRA). The primary objective of this course is to acquaint governments with the general concept of risk analysis and how MRA fits into the framework of Microbiological Risk Management (MRM);
- The FAO/WHO e-learning training course “Enhancing participation in Codex activities is available on CD-ROM. The training course will be accessible through FAO and WHO websites;
- The FAO/WHO guidance document for governments on the application of HACCP, in small and less developed businesses (SLDBs) was finalized. The document is now available at http://www.fao.org/ag/agn/food/quality_haccp_en.stm and at: www.who.int/foodsafety/publications/fs_management/haccp_sidbs/en/index.html; as well as in a printed version in English, French and Spanish. The guidelines are also being translated into Chinese.

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- FAO developed a standardized training package to assist countries in implementing relevant Codex texts related to the food safety assessment of foods derived from recombinant-DNA plants. This training package, entitled "GM food safety assessment: tools for trainers", contains both theory and practical examples of risk assessments of foods derived from modern biotechnology and a guide for training regulators. The publication is expected to be out in early summer 2008.
 - FAO has published a training video on sampling procedures for mycotoxin determination in food and feed products in English and Spanish
 - The WHO/FAO *Guidelines on the Safe Preparation, Storage and Handling of Powdered Infant Formula* are available in Arabic, Chinese, English, French, Russian and Spanish and have recently been translated into Japanese. Translation into Korean is currently underway and several countries have signalled their interest in collaborating with FAO and WHO to disseminate and implement these guidelines at national level.
 - The FAO training manual on "Cost-effective technologies and good management practices for improving quality and safety in small and medium agro-industries", developed by the Agricultural Support System Division (AGS) was applied and validated in the framework of an AGS project in Nicaragua with the participation of technicians and managers of SME and trainers from Costa Rica, El Salvador, Honduras, Nicaragua and Panama. After successful capacity building events and positive feedback from participants, the training manual is being finalized for publication was finalized and published (in Spanish) as a CD-Rom; this training manual was then used for training technicians and managers of SMEs in Honduras.
 - FAO translated into Spanish the FAO Agricultural Services Bulletin 156 "Food engineering, quality and competitiveness in small food industry systems".
 - FAO produced one occasional paper in Spanish "Calidad e inocuidad en las cadenas latinoamericanas de comercialización de alimentos" (Quality and safety in Latin American food marketing chains".
 - FAO produced one occasional paper on "Organic certification schemes: managerial skills and associated costs"
 - FAO produced one working document on "Costs and benefits in food quality systems: concepts and a multi-criteria evaluation approach"
 - A cross-country study on capacity building and investments needed to comply with GlobalGAP requirements was carried out in Chile, Kenya, South Africa, and Malaysia by AGS. Lessons learnt from the studies show the need to upgrade the overall management systems and build capabilities at different levels in order to comply with these requirements. Based on the study findings, a number of policy recommendations for countries and governments are proposed. For more information refer to the brief synthesis, The Agrifood Systems Brief 5 "Supporting Farmers Compliance with Private Standards".
 - FAO published Case studies on "Implementing programmes to improve safety and quality in fruit and vegetable supply chains: benefits and drawbacks" in English and Spanish.
 - FAO published a toolkit in French for training on 'Les bonnes pratiques d'hygiène dans la préparation et la vente des aliments de rue en Afrique'.
 - The 2nd Food and Nutrition Action Plan for the WHO European Region 2007-2012, adopted at the RC meeting in Belgrade in September 2007, emphasizes the importance that countries have a risk-based approach to food safety and must establish proper surveillance systems for food-borne disease and proper systems for monitoring of food-borne hazards in the food chain. Furthermore, the importance of tailored risk communication in food safety to the general public as well as to specific sub-populations is underlined. Similar approaches are taken in other regions.
 - PAHO/WHO published: The Five Keys to Safer Food Manual (theoretical manual); Activity Book for Teachers: Five Keys to Safer Food; a Guide for the Parent-Teacher Association: *How to make a water and food safety plan for my school?* The five steps to be a school with safe food and water, and a poster "The 5 Keys to Safer Food" in Spanish and adapted to Guatemala in the context of the project

PAHO/WHO & DFID on “Adaptation and validation of the manual *“Bringing Food Safety Home: using the WHO Five Keys to Safer Food”* for its application in elementary schools in Guatemala. These documents have been translated to English and Portuguese and will be printed to transfer the experience to other Latin American and Caribbean countries. Additional information can be obtained from: <http://www.who.int/foodsafety/consumer/Guatemala.pdf>. A Knowledge/Aptitudes and Practices (KAP) study is ongoing to measure the changes before and after the interventions in a sample of target populations: students, food handlers, and teachers. The WHO 5 keys have been incorporated in the curricula of primary schools countrywide.

- PAHO/WHO published a DVD on the experience on the adaptation of the 5 WHO Keys to safer food to primary schools in Venezuela. The DVD compiled musical, theatre and poetry prepared by the school community. The WHO 5 keys have been incorporated in the curricula of primary schools countrywide.
- WHO published 'Guidelines for the Investigation and Control of Foodborne Disease Outbreaks. These guidelines serve as a general introduction to the identification, as well as practical aid for the investigation and control of foodborne disease outbreaks in a variety of settings. The Guidelines include background information and practical tools, such as sample questionnaires and investigation report forms.
- The FAO Biosecurity toolkit is available in English, French and Spanish. Member countries can use this toolkit to analyse and manage risks that exist in food safety, animal and plant life and health, and associated risks to the environment. It outlines principles and components of biosecurity, provides a guide to assess biosecurity capacity and guides the application of risk analysis principles in biosecurity.
- FAO published ‘Risk-Based Food Inspection Manual’ which introduces a risk-based inspection approach and procedures for primary production operations and food processing establishments. The publication is currently in English but it will be available in French and Spanish in summer 2008.
- FAO has also published the following training manuals: On-farm mycotoxins control in food and feed grain; and Maintaining quality of food and feed grain through trade and processing (both available also on-line).

INFORMATION EXCHANGE MECHANISMS

6. The International Portal on Food Safety, Animal and Plant Health (www.ipfsaph.org), a joint initiative with IPPC, OIE, Codex and WTO, continued to develop. As of April 2008, the portal contains over 34 000 records (representing an increase of 38% year on year) sourced from nearly 50 different official data sources, and growing. The number of page views averages 9 000 per day, with over 40 000 visitors per month. It has also been noted that there are annual surges in demand during the spring, which, possibly, can be attributed to the timing of key meetings of standard setting bodies (e.g. WTO SPS, Codex and OIE) in the spring and summer. The portal recently added a number of new data sets, as follows:

- IAEA’s Nucleus Clearance of Irradiated Foods Database using an automated web services linkage;
- All current JECFA specifications for food additives, flavouring agents, and residues of some veterinary drugs in animals and foods, and the portal is now automatically linked to the updated and revised JECFA databases;
- Automatic linkage with WTO’s new SPS Information Management System ensures that vital SPS related data sets such as Notifications, Specific Trade Concerns and national SPS enquiry point details are automatically updated through the portal;

7. In addition, a data set for food safety assessment of r-DNA plants authorized in accordance with the Codex Guideline for the Conduct of Food Safety Assessments of Foods Derived from Recombinant-DNA Plants has been created¹. In cooperation with the OECD BioTrack database, an interoperable central database, publicly accessible from www.ipfsaph.org, containing food safety assessments relating to foods derived from r-DNA plants has been developed and populated. The data set pools food safety assessment

¹ As requested by the 7th Session of the Codex *ad hoc* Intergovernmental Task Force on Foods Derived from Biotechnology (Chiba, Japan, 24-28 September, 2007).

records for approved transformation events from various official online sources including OECD BioTrack, the Biosafety Clearing House and the EC Register of Genetically Modified Food and Feed, amongst others.

8. INFOSAN, the International Food Safety Authorities Network, developed and maintained by WHO in collaboration with FAO, was inaugurated in October 2004. Identified as a priority need by both Codex and the World Health Assembly, 167 Member States have now joined the network. Since its creation, INFOSAN has responded to requests for information on how to develop and maintain food control systems by providing INFOSAN Information notes on timely food safety topics. INFOSAN EMERGENCY, the emergency arm of the network which operates under the umbrella of the International Health Regulations (2005), performs global surveillance of food contamination and foodborne disease events. Every month, the INFOSAN identifies an average of 157 notices of food contamination and food-borne disease events with potential international implications. On average, about 10-20 food notices require follow up activity by INFOSAN. One to two INFOSAN Emergency Alerts are sent out to countries receiving contaminated food each month. During the past year, INFOSAN Emergency Alerts about the global distribution of contaminated food have gone to all Members of INFOSAN.

9. In June 2008 FAO/AGNS launched the new website on “Specific quality” under project GCP/INT/022/FRA funded by France. Some food products differentiate themselves from others within a category by some characteristics, quality or reputation essentially due to their geographical origin. This differentiation can be attributed to the typicality, history of the product, distinctive character linked to natural and human factors such as soil and climate, local know-how, traditions. These quality products are interesting as part of food security, by contributing to rural development and giving consumers greater choice. The aim of the website is to provide information on this type of quality and the activities done in this area: case studies, regional seminars, expert meetings and technical cooperation projects.

10. FAO also launched a new webpage on Veterinary and Public Health, Feed and Food Safety www.fao.org/ag/AGInfo/programmes/en/A6.html and one global and four regional networks on the same themes.

11. To ensure effective bridging between early warning, preventive actions and response to threats to the food chain, FAO is in the process of streamlining its emergency prevention and management framework for food-chain crisis. This includes the extension of the FAO EMPRES (Emergency Prevention System for Transboundary Animals and Plant Pests and Diseases) programme to also cover food safety. The primary purpose of EMPRES-Food Safety is the prevention and early warning of food safety emergencies and it is being established taking into consideration existing networks and activities in the area of prevention and early warning worldwide. To this end EMPRES–Food Safety will facilitate greater FAO support to INFOSAN, particularly in relation to accessing relevant information from the agriculture sector, analysing trends, forecasting and providing technical assistance to prevent emergencies.

12. FAO, in collaboration with the University of Putra in Malaysia is developing a web-based platform to facilitate sharing of information and expertise on microbiological risk assessment in South-East Asia and promote coordination of risk assessment activities in the sub-region.

13. As part of its programme for the provision of scientific advice (ProScAd) FAO has initiated, with the collaboration of the Fundação de Estudos e Pesquisas Aquáticas (FUNDESPA), Brazil, the implementation of a regional study for the development of a database on scientific research and surveillance reports related to *Vibrio cholerae*, *Vibrio vulnificus* and *Vibrio parahaemolyticus* in the marine ecosystems and its products in Latin America and the Caribbean. This work will facilitate sharing and exchange of information on these foodborne pathogens in the region. PAHO and several other countries from the region are also participating in this initiative.

INTERNATIONAL EVENTS

14. FAO/AGNS convened a High Level Special Event on Food Quality and Safety during the last session of the FAO Conference in November 2007. The objective of the event was to draw the attention of policy makers to the importance of food quality and safety for consumer protection and trade promotion. It also underlined the increasing needs of developing countries for capacity building to improve the efficiency of their national food safety system throughout the food chain, including the involvement of food producers, processors and distributors in this endeavour. A brief report of the event is available in Arabic, Chinese, English, French and Spanish from: http://www.fao.org/ag/agn/agns/capacity_events_2007_en.asp

15. At the end of November 2007, a High-level International Forum on Food Safety cosponsored by WHO and the Chinese Ministry of Health and the State Administration for Quality and Safety Inspection and Quarantine adopted a significant statement on the basic requirements for national food safety systems. The Beijing Declaration sends a clear message that participation in the maturing global food marketplace will be based on assurance that a country's national food safety system is in place and operational, especially components related to emergency response.

16. FAO/IAEA organized a training workshop at the FAO/IAEA laboratory in Siebersdorf, Austria, from 12-30 November 2007. The objectives of the course were to strengthen the awareness of scientists and laboratory middle management of relevant guidelines and regulations and the theoretical and technical aspects of screening and confirmatory methods for detection of veterinary drug residues; to introduce quality assurance/quality control principles according to ISO Standard 17025 that are relevant to veterinary drug residue analysis; and to discuss various possible roles of quality assured laboratories in monitoring the effectiveness of good farming practices. Further information may be obtained from: Official.Mail@iaea.org.

17. FAO provided technical assistance to the IDF in the organization of an international symposium which took place in Bali, Indonesia from 13 to 15 February 2008. The purpose of the symposium was to look at practical experiences and the challenges and feasibility issues to be addressed by those working to move forward in food safety management. More information on the symposium is available from: <http://www.idfsymposium-bali2008.com>

18. In collaboration with FAO, WHO launched an initiative to estimate the global burden of foodborne diseases from all major causes. This work is taken forward by the *Foodborne Disease Burden Epidemiology Reference Group (FERG)*, a multi-disciplinary expert group which met in Geneva in November 2007 and outlined a detailed and ambitious workplan to estimate disease burden from enteric, chemical and parasitic causes. WHO is now implementing the action plan proposed by FERG and reporting on global disease burden within a 5-year timeframe. One area of particular emphasis of FERG will be the development of and training in the use of tools for country-specific burden of disease assessment.

19. WHO/UNEP Global Survey of Human Milk for POPs: At its third session held 30 April - 4 May 2007 in Dakar, Senegal, the Conference of the Parties of the Stockholm Convention, in its decision on effectiveness evaluation, adopted the global monitoring plan on persistent organic pollutants (POPs) and the implementation plan for the first effectiveness evaluation. The WHO/UNEP Global Survey of Human Milk for POPs was launched with the signing of a Letter of Agreement at the end of 2007. The WHO Global Coordinator for the survey attended five regional inception workshops in order to undertake the implementation activities. Priority countries were identified during the workshops and WHO and UNEP have sent invitation letters to 50 priority countries. The Global Survey data will be available in 2009.

20. FAO/UNIDO/IFAD and the Government of India jointly organized a Global Agro-Industries Forum which took place in New Delhi, India, from 8 to 11 April 2008. The Forum provided delegates with the opportunity to discuss and share lessons on improving competitiveness and the development impact of agro-industries. One of the twelve roundtables addressed the subject of "Meeting consumer requirements: quality, safety, emerging concerns", in which a range of aspects influencing quality and safety in food chains at the national level and in international markets were discussed from different perspectives. The plenary paper "Technologies shaping the Future" also addressed quality and safety issues from the viewpoint of how adequate and cost-effective technologies can contribute to enhance quality and safety in future scenarios. Further information on the Forum is available from: www.gaif08.org.

21. FAO is planning with the International Industry Academy (IIA), Russian Federation, an international conference on food safety. Tentative dates for the conference are end of October 2008. The conference programme will address topics related to the management and implementation of food control systems to ensure safe food and consumer protection. Specific issues may include harmonization of food standards, risk analysis principles and practical application, and food safety management systems within the food industry.

22. WHO held the first pilot session of the Train the Trainers programme on the Five Keys to Safer Food targeted to women, organized in collaboration with the Department of Health in South Africa, in September 2007. The second pilot session was organized in collaboration with the Agence Nationale de Contrôle Sanitaire et Environmental des Produits (ANCSEP), Ministry of Health, Tunis in February 2008. The training programme is designed for public health professionals, health educators, community leaders and

government officials to promote change in behaviours for safe food handling and preparation among consumers, particularly women. The course provides guidance on how to both educate and promote behavioural change. A third pilot session is planned by August 2008. Following incorporation of comments from the pilot sessions, the course should be published in the six WHO languages by November 2008.

23. WHO provided 12 international training courses on the surveillance and detection of foodborne and other infectious enteric diseases through a programme called WHO Global Salm-Surv. Training sites included Russia (St. Petersburg and Moscow), Trinidad and Tobago, Kenya, Brazil, China, Poland, Cameroon, Malaysia, Argentina, Papua New Guinea and Madagascar. With the exception of Brazil and China, each international training course is attended by 2 to 4 representatives from between 8 and 18 countries. During the courses integrated laboratory-based surveillance is promoted and inter-sectorial collaboration between human health, veterinary and food-related disciplines is fostered around the world. WHO is actively seeking collaboration with FAO in future training activities.

GLOBAL PROJECTS

24. The Government of Norway signed a Programme Cooperation Agreement (PCA) with FAO, with the overall objective of supporting the Millennium Development Goals (MDGs) in developing countries through the work of FAO, for the period 2005-2006. One of the principal objectives of this project is "Improved Food Safety and Quality at National Level and along the Food Chain". Activities are being conducted in Burkina Faso, Cambodia, Honduras, Kenya, Laos, Nicaragua, Tanzania and Uganda. Outcomes to be reached include: acceptance and use of Good Agricultural Practice (GAP); capacity building and awareness raising for integrated natural resource governance and management (SARED), support to food quality and safety and Codex related work and guidelines, advice and instruments related to small-scale/artisanal fisheries implemented/developed.

25. Under the same Programme Cooperation Agreement, Norway is supporting a series of activities aimed at strengthening FAO's earlier work on the integration of food safety, animal health, plant health and biosafety under the biosecurity framework. In this context, a three-part Biosecurity Toolkit (comprising an introductory text, a biosecurity capacity assessment guide and a biosecurity risk analysis manual) is now available and other activities to assess biosecurity capacity needs and strengthen an integrated biosecurity approach are underway (including in Bhutan, El Salvador, Haiti and Panama). In order to launch this toolkit, FAO organized an international training of trainers' workshop on "An integrated approach to food safety and animal and plant health (biosecurity) and the assessment of capacity needs". The training course took place in Rome, from 22-25 January 2008 and was attended by 22 experts from selected countries in the world. More information is available at www.fao.org/ag/agn/agns/foodcontrol_en.asp. This course complemented the three regional ones held the previous year in Bangkok, Accra and Santiago de Chile.

26. Project GCP/INT/022/FRA funded by France (2007-2008) and implemented with support from FAO, aims to assist Member Countries in developing specific quality schemes, that are adapted to their economic, social and cultural situation, and contributing to rural development through the valorisation and preservation of quality products and local resources associated. The practical objective is to capitalize information and knowledge about experiences of Member countries, so to support FAO policy and strategy in this area and recommend mechanisms to address member countries' needs. In this view, different activities have been implementing: regional seminars, expert meeting, networking, case studies with concrete examples on assets and constraints, success or failure factors, supportive tools.

GLOBAL TOOLS UNDER DEVELOPMENT

27. FAO is developing 'Guidelines for risk-based fish inspection' which provides technical information to support fish inspection systems. This publication is a separate chapter of the 'Risk-based food inspection manual' to cover fisheries products.

28. FAO and WHO are developing food safety emergency response guidelines to assist member countries to both prepare for and manage such emergencies. In addition, a series of subject specific guidelines on food recalls, food complaint systems, risk communication during food safety emergencies and risk assessment and risk management for urgent food safety events are being developed to provide more detailed guidance on these important aspects of food safety emergency preparedness, alert and response.

29. WHO, FAO, in collaboration with OIE and the Industry Council for Development (ICD), are planning a round table discussion on the global needs for capacity building in food safety, water and nutrition through training and education to be held in September 2008. A preparatory meeting was held on 5 March 2008 in Rome, Italy, to discuss the objectives, the programme and the dates and venue for the round table discussion.

ANNEX 1

AFRICA²**Regional/National Events**

| Activity (Workshop/Seminar/Training Course) | Organizers | Dates | Venue |
|--|---|----------------------------|-------------------------------------|
| Regional training course on inspection of food from animal origin for UEMOA countries | FAO | Two weeks July 2007 | Ouagadougou, Burkina Faso |
| Training courses on basic techniques for microbiological analyses in a food control laboratory and basic techniques for physico-chemical analyses in a food control laboratory | FAO | October 2007 | Kinshasa, Congo Democratic Republic |
| Training on laboratory-based foodborne disease surveillance | WHO with Global Salm-Surv Steering Committee | 29 October – November 2007 | Nairobi, Kenya |
| Regional seminar on specific quality linked to geographical region in the Mediterranean to provide an overview of the range of approaches to quality in the Mediterranean region. Over 100 participants representing government, civil society and private sectors from Algeria, Cyprus, Egypt, France, Italy, Jordan, Lebanon, Morocco, Switzerland, Syria, Tunisia and Turkey attended the seminar | FAO/Ministry of Agriculture, Morocco | 8-9 November 2007 | Casablanca, Morocco |
| Regional workshop on Strengthening Food Safety and Quality Systems for Consumer Systems in the Small and Medium Enterprises Food Sector | FAO, in collaboration with Consumers International and Consumer Council of Zimbabwe | 21-23 November 2007 | Harare, Zimbabwe |
| Capacity development to improve safety and quality in fruits and vegetables in Tanzania, Kenya and Uganda | FAO/national authorities | 2007 | |
| Global Salm-surv Workshop on Integrated Surveillance of Antimicrobial Resistance and Laboratory Quality Management | WHO with Global Salm-surv Steering Committee | 24-29 March 2008 | Yaoundé, Cameroon |
| Regional training seminar on Codex Alimentarius to strengthen national Codex activities and to enhance participation in standard setting work of the Codex Alimentarius Commission. In total, 40 | FAO/WHO in collaboration with the Ministry of Industry, | 1-4 April 2008 | Yaoundé, Cameroon |

² Acronyms are listed at the end of the paper

| Activity (Workshop/Seminar/Training Course) | Organizers | Dates | Venue |
|--|---|------------------|------------------------|
| delegates attended the seminar representing Cameroon, Ghana, Liberia, Malawi, Nigeria, Sierra Leone, and Zambia. | Mines and Technological Development | | |
| FAO regional workshop on GM food safety assessment within biosecurity approach | FAO in collaboration with Kenya Bureau of Standards | 15-17 April 2008 | Nairobi, Kenya |
| Workshop on development of a short course in quality management and fish processing for fish inspectors in Kenya | FAO/UNU | May 2008 | Kenya |
| Risk-based food inspection workshop | FAO | November 2008 | TBD in Southern Africa |

Projects/Direct Assistance to countries

| Title | FAO/WHO | Country | Status |
|--|-----------------------------------|-----------------|--|
| Support to UEMOA countries in evaluating their capacity building needs, harmonization of food control regulatory texts and training activities (UTF/UEM/001/UEM) | FAO (AGAH, AGNS, AGPP, ESCP, LEG) | UEMOA countries | Regional training course on planning and delivery of sanitary surveys implemented in July 2007. Test run of food control actions in the eight countries during the second half of 2007 |
| Strengthening of the national Codex Committee and the Food Control System through a national project | FAO/TCP | Angola | Ongoing |
| Food safety IEC activities in support of outbreak of cholera | WHO/AFRO | Angola | May-August 1007 |
| Investigation and control of bromide intoxication in Cacuo Municipality | WHO/AFRO | Angola | 21 November – December 2007 |
| Strengthening the national food safety and quality control system in Cameroun | FAO/STDF | Cameroon | Ongoing |
| Support for SPS information systems in Benin | FAO/STDF | Benin | Ongoing |
| Advice and support to the Centre Pasteur du Laboratoire de Chimie de Hygiène Environnement, for the implementation of a study on exposure of the inhabitants of Yaoundé to pesticide residues using a total diet study (TDS) | FAO/WHO | Cameroon | |

| Title | FAO/WHO | Country | Status |
|---|----------------|---------------------------|-------------------------|
| Support development of the national biosecurity policy | FAO | Cameroon | 2008 |
| Support to Trade Negotiations (SPS Agreement) | FAO/TCP | Cape Verde | Ongoing |
| Strengthening the national Biosecurity systems in Cape Verde | FAO | Cape Verde | In pipeline |
| Support for implementation of a strategy to control and monitor quality and safety of food products (TCP/DRC/3002) | FAO/AGNS | Congo Democratic Republic | Ongoing |
| Training of food vendors in markets in Brazzaville using the Five Keys to Safer Food | WHO/AFRO | Congo, Rep. of | Ongoing |
| Strengthening the National Codex Committee | FAO/AGNS | Côte d'Ivoire | Ongoing |
| National Codex Committee became operational. Training was conducted for senior health managers on HACCP and teachers from lower basic schools in the regions on the WHO Five Keys for Safer Food | WHO/AFRO | Gambia | May-August 2007 |
| Strengthening national biosecurity capacity | FAO | Gambia | 2008 |
| Assessment of biosecurity capacity needs | FAO | Ghana | 2008 |
| Strengthening National Codex Committee | FAO/TCP | Guinea | Project in formulation |
| Elaboration of the national strategy for the control of food quality; report on the situation analysis of food hygiene in Guinea; conducted sensitization and training activities on the 5 Keys to Safer Food for school children, teachers and vendors around schools; elaborated tools for the management of surveillance of foodborne diseases and established pilot sites for surveillance. | WHO/AFRO | Guinea | January – December 2007 |
| Strengthening national food control system: Food safety policy development and national food safety symposium (FNOP/INT/NOR/102) | FAO | Kenya | Ongoing |
| Food safety competition in schools | WHO/AFRO | Lesotho | September 2007 |
| Finalization of food law | FAO/TCP | Madagascar | In pipeline |
| Developed a plan of action for the implementation of food safety and hygiene in the country | WHO/AFRO | Malawi | January – December 2007 |

| Title | FAO/WHO | Country | Status |
|--|----------------|----------------|------------------------|
| Strengthening national biosecurity capacity | FAO | Malawi | 2008 |
| Training of ANSSA staff in risk analysis of food control decision making | FAO/TCP | Mali | In pipeline |
| Dissemination and implementation of the Five Keys to Safer Food | WHO/AFRO | Mali | July 2007 |
| Fifty-four food vendors around five school establishments in Nouakchott and 24 school personnel from the schools were trained in food safety | WHO/AFRO | Mauritania | July – December 2007 |
| Capacity of national influenza reference laboratory to undertake influenza virus detection and isolation was strengthened. Fellowships were awarded to follow training attachment in the identification of salmonella, campylobacter and other food and water borne diseases | WHO/AFRO | Mauritius | August – December 2007 |
| Create and organize a national consumer centre to provide information to consumers on food related matters and promote the involvement of the consumer in promoting food quality and safety (TCP/MOR/3102) | FAO | Morocco | Project ongoing |
| Technical assistance to strengthen the quality assurance system of their National Laboratory for Food and Water Hygiene (LNHAA). (UTF) | FAO | Mozambique | In formulation |
| Support for the establishment of healthy food markets | WHO/AFRO | Nigeria | 10-24 August 2007 |
| Strengthen national biosecurity capacity and SPS compliance | FAO | Nigeria | 2008 |
| Hygienic Handling of foods of animal origin. | FAO | Rwanda | Project in formulation |
| Personnel responsible for hygiene and health from 14 districts were trained in food safety | WHO/AFRO | Rwanda | September 2007 |
| Facilitate trade in the Southern African Development Community (SADC) member states through food standards and food safety management. | FAO | SADC | |
| Strengthen and support quality assurance systems in food safety laboratories | FAO | Senegal | Approval |
| Assistance in the definition of a monitoring programme and assessment of mycotoxins in agricultural food programmes | FAO | South Africa | Ongoing |

| Title | FAO/WHO | Country | Status |
|--|----------------|----------------|--------------------------|
| Food safety task forces established in all districts were trained on norms and standards | FAO/AFRO | Sierra Leone | September- December 2007 |
| Strengthening national food control system and national food safety symposium (FNOP/INT/NOR/102) | FAO | Tanzania | Ongoing |
| Assessment of biosecurity capacity and support biosecurity network system establishment | FAO | Tanzania | 2008 |
| Strengthen the capacity for improving the safety and quality of fresh fruits and vegetables | FAO/TCP | Tanzania | In formulation |
| Strengthening national food control system (FNOP/INT/NOR/102) | FAO | Uganda | 2007 |
| Capacity building of regulatory agencies for handling and monitoring genetically modified crops, products and processed foods (TCP/CRO/3103) | FAO | Uganda | Ongoing |
| Monitoring and evaluation of food safety activities and biosecurity capacity building | FAO | Uganda | 2008 |
| Assessment of Food control capacities and formulation of a project proposal for the Republic of Congo | FAO/TCP | Congo | In formulation |
| Capacity building of regulatory agencies for handling genetically modified seeds, crops and processed foods (TCP/UGA/3103) | FAO | Uganda | Ongoing |

ASIA

Regional/national events

| Activity (Workshop/Seminar/Training Course) | Organizers | Dates | Venue |
|---|--|----------------------------------|----------------------------|
| Training in Food safety risk analysis (parts 1 and 2) – national level | FAO | February 2007 – November 2007 | Cambodia, Laos and Vietnam |
| Advanced Regional Workshop on “Developing Fisheries Practices in line with Codex, WTO/SPS legal framework and FAO Code for Responsible Fisheries” | FAO | 17-20 July 2007 | Ho Chi Min City, Viet Nam |
| Meeting on enhanced food-borne disease surveillance networking in Asia in which the Asia FoodNet was established for sharing of information on foodborne pathogens and chemical hazards of significance in Asia, prioritizing those issues that might be of transboundary significance and of particular importance for the region and several other purposes and priorities. | WHO WPRO | 22-24 August 2007 | Kuala Lumpur, Malaysia |
| FAO Regional Technical Consultation on Independent Certification | FAO | 1-5 October 2007 | Nakhorn Pathom, Thailand |
| National workshop on Total Diet Studies | WHO | November 2007 | Jakarta, Indonesia |
| FAO National Agro-Food Quality Appraisal Workshop | FAO | 9 November 2007 | Beijing, China |
| FAO national stakeholder workshop for development of national biosecurity policy | FAO | 23-24 November 2007 | Thimphu, Bhutan |
| Regional Training Workshop on Capacity Building Needs Assessment in the National Food Control System | FAO, in collaboration with Food Standards Australia New Zealand (FSANZ) | 19-23 November 2007 | Beijing, China |
| Regional workshop on Food Safety Risk Analysis: A Guide for National Food Safety Authorities – within the Biosecurity Approach to train experts from countries in Asia on the principles and components of food safety risk analysis | FAO, in collaboration with the Ministry of Agriculture of the Government of Malaysia | 4-6 December 2007 | Kuala Lumpur, Malaysia |

| Activity (Workshop/Seminar/Training Course) | Organizers | Dates | Venue |
|---|---|--------------------------|---|
| Technical support to laboratories in a number of countries to improve analytical skills and enhance laboratory quality assurance. In addition, support provided to enable countries to conduct studies of the extent of food contamination in Bangladesh, Bhutan and Thailand. FOS Collaborating Centres in SEAR continue to conduct studies and make data from studies available to WHO's Global Environment Monitoring System – Food Contamination Monitoring and Assessment Programme (GEMS/Food). | WHO | | |
| Awareness and training sessions to promote food safety among street food vendors (http://foodsafetyindia.nic.in/juicer.htm and http://foodsafetyindia.nic.in/acknow.htm) | WHO | | Bangladesh, India, Indonesia and Thailand |
| Implementation of national Healthy Food Market Programme aimed at empowering market communities to set up healthy food markets (HFM) to ensure provision of safe and nutritious food. The project will harness the capability of key stakeholders to improve bio safety levels to reduce risks for spread of AI virus. | WHO | | Indonesia |
| National workshops on National Food Safety Emergency response | FAO/AGNS | November – December 2007 | Cambodia, Laos and Vietnam |
| Training of Trainers on Food Hygiene and Quality Assurance | FAO/AGNS | 13–28 January 2008 | Laos |
| Workshop on Safety of Shellfish from harmful algae and Biotoxins | FAO/SIDA/UNESCO (MIRCEN) | 21-25 January 2008 | Mangalore, India |
| FAO Subregional Training Workshop on Improving the quality and safety of fresh fruit and vegetables: A practical approach. Objective to train professional staff as trainers on the principles and practices necessary to ensure the safety and quality of fresh fruit and vegetables with emphasis on the prevention and control of microbiological and chemical hazards by applying GAP, GMP and a HACCP based approach to primary production. | FAO, in collaboration with Institute of Nutrition | 4-8 February 2008 | Hyderabad, India |
| Workshop on HPAI Risk Reduction and Management for Live Poultry Market | FAO/WHO | 10-12 March 2008 | Yangon, Myanmar |
| FAO national workshop on national food control system and | FAO in collaboration | 23-28 April 2008 | Hanoi, Viet Nam |

| Activity (Workshop/Seminar/Training Course) | Organizers | Dates | Venue |
|---|-------------------|----------------|--------------|
| improving safety and quality of fresh fruits and vegetables | with FAVRI | | |
| Workshop on the assessment and management of seafood safety and quality | FAO/INFOFISH | June 2008 | Viet Nam |
| FAO national workshop on improving safety and quality of fresh fruits and vegetables | FAO | SEPTEMBER 2008 | Lao PDR |
| FAO regional workshop on networking and improving safety and quality of fresh produce | FAO | NOVEMBER 2008 | Apia, Samoa |

Projects/Direct Assistance to countries

| Title | FAO/WHO | Country | Status |
|--|----------------------------------|----------------------------|---|
| Enhancing food safety by strengthening food inspection systems in the ASEAN countries and Support to the FAO programme on capacity building in food safety | FAO with funding from Japan | ASEAN countries | Ongoing |
| Improving food safety and quality and official food control | FAO/TCP | Bangladesh | In formulation |
| Project for Improving Food Safety, Quality, Hygiene and Food Control in Bangladesh | FAO and WHO with funding from EC | Bangladesh | In formulation |
| Support to develop a project proposal for improvement of live bird market for AI prevention and control in Bangladesh | WHO/FAO | Bangladesh | Proposal develop and submitted for EC funding |
| Assistance in the formulation of enabling regulatory measures for research and sustainable application of biotechnology (TCP/BGD/3102) | FAO | Bangladesh | Ongoing |
| Biosecurity capacity building and national biosecurity policy development (FNOP/INT/NOR/103) | FAO | Bhutan | Ongoing |
| Improving Food safety and its management in Cambodia, Laos and Vietnam | FAO/WHO | Cambodia, Laos and Vietnam | Ongoing |
| Support provided to enable a survey of chloropropanol contamination of domestic and imported soy sauce products | WHO/WPR | Cambodia | Concluded and follow-up action in formulation |

| Title | FAO/WHO | Country | Status |
|---|----------------|----------------|---|
| Strengthening Testing Capability for Food Safety – TCP/CPR/3007 | FAO/TCP | China | Ongoing |
| Study tours supported on food safety regulation; risk analysis and GHP and HACCP | WHO WPR | China | Concluded |
| Support provided to enable the trial of a process aimed at introducing GHP and HACCP in China | WHO WPR | China | Concluded |
| Technical support provided on food safety policy, management and on the regulatory framework for food safety | WHO WPR | China | Concluded and provided support for a UN country strategy on food safety |
| The WHO Five keys to safer food introduced to primary schools in Northern provinces | WHO WPR | China | Concluded |
| Technical support provided on food safety and the Olympic Games | WHO | China | Ongoing |
| Assistance through the FAO/UNESCO Microbial Resource Centre for Marine Biotechnology (MIRCEN) for the organization of an ASM/FAO/UNESCO International Workshop on Molecular Techniques in aquaculture and seafood safety. | FAO/UNESCO | India | |
| Development of training modules for wet market managers | WHO | Indonesia | Ongoing |
| Meeting of the Working Group on Code of Hygienic Practice for <i>Vibrio</i> spp in Seafood | FAO/AGNS | Japan | |
| Training workshop on risk analysis for risk assessors and risk managers for central and provincial levels | WHO WPR | Lao PDR | Concluded |
| Support provided for implementing of GMP and HACCP in pilot food establishments and drinking water plants | WHO WPR | Lao PDR | Concluded |
| Support provided to develop strategic implementation guidelines and monitoring tools on the food law | WHO WPR | Lao PDR | Concluded |
| Support provided on drafting of food labeling regulations | WHO WPR | Lao PDR | Concluded |
| Training on foodborne disease surveillance | FAO/WHO/NZAID | Lao PDR | Concluded |
| Introducing the WHO Five keys to safer food in rural communities | FAO/WHO/NZAID | Lao PDR | Concluded |

| Title | FAO/WHO | Country | Status |
|---|----------------------------|----------------|-----------------------------------|
| Technical support provided on risk-based imported food control | WHO WPR | Malaysia | Concluded |
| Technical support provided on microbiological risk assessment | WHO WPR | Malaysia | Concluded |
| Technical support provided on chemical risk assessment | WHO WPR | Malaysia | Concluded |
| Technical support provided on foodborne disease surveillance | WHO WPR | Malaysia | Concluded |
| Support to develop legal framework for food safety | WHO | Maldives | Ongoing |
| Supplies and equipment for the national inspection agency for monitoring food contamination | WHO WPR | Mongolia | Concluded |
| Technical support on foodborne disease surveillance | WHO WPR | Mongolia | Concluded |
| Mission to review the current food safety programme in Mongolia and to provide guidance on its future advancement | FAO/WHO | Mongolia | In formulation |
| Strengthen the national system of control of food import quality and safety. | FAO/TCP | Mongolia | Concluded |
| Strengthening the capacity of government officials responsible for food safety, animal and plant health, and agricultural trade in Nepal to effectively implement SPS measures and related trade obligations | FAO with funding from STDF | Nepal | Implementation started March 2008 |
| National capacity building for food quality and safety and assistance in reviewing and revising national SPS laws, remodeling and plant quarantine services to enhance the capabilities of reference laboratories and foster cooperation with developed economies | FAO | Pakistan | In formulation |
| Three-year project to strengthen food quality and safety of fresh produce to improve quality and safety of fresh fruits and vegetables and upgrade production system to meet SPS measures and Codex safety requirements related to microbiological and chemical hazards in foods. | FAO | Philippines | In formulation |
| Enhancing income, quality and safety of fresh produce and environmental sustainability of smallholder upland farms in Bicol Region through good agricultural practices (GAP) | FAO/AECI | Philippines | In formulation |

| Title | FAO/WHO | Country | Status |
|--|--|----------------------------------|--|
| Strengthening national food control system for fresh produce in the Philippines | FAO/TCP | Philippines | In formulation |
| Assistance in training in food safety and quality and certification | FAO | Sri Lanka | In formulation |
| Strengthen compliance of SPS requirements for expanded exports of fresh fruits and vegetables (Phase II of TCP/THA/2903) TCP/THA/3104 | FAO/TCP | Thailand | Ongoing |
| Improving food safety and its management to help participating countries develop or improve national food safety policy, strengthen legal framework for food control and build technical capacities required to enforce food safety requirements | FAO/NZAID/WHO Regional Office for Asia | Viet Nam Lao PDR and Cambodia | The first of a series of training of trainers courses on food hygiene took place in Cambodia in June 2007. |
| Regulations for street-vended food and market places were developed | WHO WPR | Viet Nam | Concluded |
| A national network of food safety laboratories network was established and persons were trained through the network. | WHO WPR | Viet Nam | Concluded |
| Support provided to improve the capacity on foodborne disease surveillance and out break identification, investigation and also reporting system | WHO WPR | Viet Nam | Concluded |
| World Bank agricultural products Safety Project for Jilin province | WB/FAO | China | Formulation stage |

EUROPE

Regional/national events

| Activity (Workshop/Seminar/Training Course) | Organizers | Dates | Venue |
|---|--|------------------------|------------------------|
| WHO-Global Salmonella Survey Training Course for Russian speaking countries | WHO EURO | 24-29 September 2007 | St. Petersburg, Russia |
| FAO/WHO Seminar "Enhancing participation in Codex" – attended by 42 delegates from Albania, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Hungary, Kosovo (UNMIK), Latvia, Macedonia, Poland, Romania, Russian Federation, Serbia, Slovak Republic, Turkey, Slovenia, Ukraine, Uzbekistan. Report of the Seminar in English and Russian is available at www.codexeurope.ch . | FAO/WHO in collaboration with the Governments of Switzerland and Poland | 1–3 October 2007 | Warsaw, Poland |
| Training course on HACCP for South-east European countries | WHO, in collaboration with the WHO Mediterranean Zoonosis Control Programme (MZCP) | 6-12 October 2007 | Nicosia, Cyprus |
| Introductory training course on Total Diet Studies (TDS) addressing chemical food safety issues | WHO EMRO and EURO | 28-31 October 2007 | Cairo, Egypt |
| Training course on HACCP for experts from Russian Federation and Uzbekistan | WHO, in collaboration with the MZCP | 19-23 November 2007 | Tashkent, Uzbekistan |
| Preparation for Workshop on development of a short course in quality management and fish processing for fish inspectors in Kenya | Funded by Iceland and executed by FAO, in close cooperation with (UNU/FTP) | 26-30 November 2007 | Reykjavik, Iceland |
| Product Quality Assurance and Safety Improvement | FAO/TCP | 4-7 December 2007 | Bosnia and Herzegovina |
| WHO-Global Salmonella Survey Training Course for Eastern and South-Eastern countries | WHO EURO | 25-29 February 2008 | Warsaw, Poland |
| Workshop on HACCP, Traceability and Fish Safety Management | Eurofish-FAO-SIPPO | 31 March- 4 April 2008 | Tirana, Albania |

| Activity (Workshop/Seminar/Training Course) | Organizers | Dates | Venue |
|--|-------------------------------------|-------------------------|------------------|
| Training course on HACCP for Romanian experts | WHO, in collaboration with the MZCP | 29 March – 5 April 2008 | Valchea, Romania |
| WHO-Global Salmonella Survey Training Course for Russia, Tajikistan and Kazakhstan | WHO, in collaboration with the MZCP | 31 March -4 April 2008 | Moscow, Russia |

Projects/Direct Assistance to countries

| Title | FAO/WHO | Country | Status |
|---|-------------------|---|---|
| EU CARDS project to reinforce Albanian Veterinary and Phyto-sanitary Border Inspection Services | WHO Albania, EURO | Albania | Follow-up project |
| The FAO regional project “Strengthening food safety in South East European transition countries – A regional approach to food legislation and control”, was completed in 2007. Significant project outputs include country reports on the status of food control and food safety, preparation of national draft food safety strategies and action plans, and assessment of legal status and recommendations in each country (TCP/RER/3002). | FAO | Albania, Bosnia and Herzegovina, Bulgaria, Croatia, FYR Macedonia, Kosovo, Moldova, Romania | Completed. Final analysis and reports in preparation. |
| Project is ongoing and includes improvement of food safety by strengthening priority components of the system for strategic planning and coordination of food control activities, harmonization of food standards, inspection programmes and laboratory networks, and quality assurance programmes in agro-processing sectors. | FAO/TCP project | Armenia and Georgia | Ongoing |
| Food safety capacity building – strengthening national capacity for strategic planning and coordination of food control activities, to ensure the adequacy of food law and harmonized food standards, and ensure compliance through development of effective inspection programmes, laboratory network, and quality assurance programmes in agro-processing sectors (TCP/AZE/3101) | FAO/TCP project | Azerbaijan | Ongoing. |
| Bilateral project to strengthen Albanian national food control system, in particular the laboratories. GCP/ALB/005/ITA | FAO | Albania and Italy | Approved. |
| FAO technical assistance has been requested by the government to | FAO | Belarus | Project in formulation |

| Title | FAO/WHO | Country | Status |
|---|---|--|-----------------------------|
| strengthen national food control activities and assessment of foods derived from biotechnology. A field formulation mission was undertaken in 2007, and a project is under development. | | | |
| FAO technical assistance has been requested to strengthen national food control capacity through provision of training and direct advice. A project formulation mission has been completed. | FAO | February 2008 | |
| Development of the 2 nd Action Plan for Food and Nutrition Policy for the WHO European Region 2007-2012 | WHO | | Endorsed in September 2007. |
| Capacity building of regulatory agencies for handling and monitoring genetically modified crops, products and processed foods (TCP/CRO/3102) | FAO | Croatia | Ongoing |
| Strengthening Food Safety and Nutrition Services in SEE as part of the SEE Health Network – Component Two – “Establishing a harmonized and an integrated model for food safety and nutrition systems” | WHO Regional Office for Europe/Council for Europe | South-east Europe | Ongoing |
| Implementation of activities on national food safety strategies | WHO EURO | Kazakhstan Uzbekistan Armenia SEE countries | Ongoing |
| Policy and capacity development of food safety, animal and plant health laboratories | FAO/TCP | Turkey | Ongoing |
| Strengthening the laboratory for quality and safety of food and agricultural products (TCP/UKR/3003) | FAO | Ukraine | Completed |

LATIN AMERICA AND THE CARIBBEAN

Regional/national events

| Activity (Workshop/Seminar/Training Course) | Organizers | Dates | Venue |
|---|---|-------------------------|------------------------------------|
| Seminar on Design and Infrastructure of Laboratories on line through internet with 374 participants from 20 countries (Further information available at: http://www.panalimentos.org/rilaa/ingles/Training.asp) | WHO/PAHO and General Bureau of Environmental Health (DIGESA-Peru) | 3-5 July 2007 | Lima, Peru |
| FAO/NACA Expert Workshop on Certification in Aquaculture. * NACA: <i>Network of Aquaculture Centers in Asia.</i> | Organized by FAO and NACA, and hosted by the Government of Brazil | 31 July – 3 August 2007 | Fortaleza, Brazil |
| Fourth WHO-GSS, Advanced workshop for microbiologists and Epidemiologists in Foodborne Diseases for English speaking Caribbean | WHO/PAHO, Centers for Disease Control (USA), Public Health Agency (Canada) | 21-26 September 2007 | Port of Spain, Trinidad and Tobago |
| Seminar on Total Diet Study on line through Internet with 183 participants from 16 countries. Further information available at: http://www.panalimentos.org/panalimentos/art1.asp?id=1033136249&cat=90 | WHO/PAHO, Science and Technology Institute/ Austral University (Chile) and National Health Laboratory (Guatemala) | 15-18 October 2007 | Guatemala, Guatemala |
| Fifth Annual Course and Meeting of Pulse-Net for Latin America | WHO/PAHO, Centers for Disease Control (USA) and INEI (Argentina) | 22-24 October 2007 | Buenos Aires, Argentina |
| Training workshop on Enhancing Participation in Codex | FAO | November 2007 | Haiti |
| Subregional workshop on Enhancing food safety in the tourism sector through the application of GHP/HACCP to enhance knowledge of Caribbean countries and the ability of small and/or less developed businesses to adopt the GHP-HACCP standard and to assist governments in development of national policies, strategy and action plans to improve food | FAO/IICA | 7-9 November 2007 | Barbados |

| Activity (Workshop/Seminar/Training Course) | Organizers | Dates | Venue |
|---|---|---------------------|-------------------------|
| safety and trade in the local and tourism sectors. | | | |
| National Workshop for WHO-GSS Level II. | WHO/PAHO, Centers for Disease Control (USA), National Food Institute (DK) and Ministry of Health (Brazil) | 5-9 November 2007 | Rio de Janeiro, Brazil |
| Regional Workshop on Food Quality Linked to Geographical Origin in Latin America. Speeches, presentations, syntheses and conclusions are available at: http://208.62.63.50/santiago . A regional project is under preparation. | FAO, in collaboration with Ministry of Agriculture and IICA | 12-13 December 2007 | Santiago, Chile |
| Sixth Annual Course and Meeting of Pulse-Net for Latin America | WHO/PAHO, Centers for Disease Control (USA) and INEI (Argentina) | 26 May 2008 | Buenos Aires, Argentina |
| Fifth WHO-GSS course, Advanced workshop for microbiologists and Epidemiologists in Foodborne Diseases for the South America | WHO/PAHO, Centers for Disease Control (USA), Public Health Agency (Canada) and INEI (Argentina) | 27-31 May 2008 | Buenos Aires, Argentina |
| Codex Contact Point Seminar on SPS issues | FAO/CCP | May 2008 | Lima, Peru |
| FAO/NACA/SCA/DFID Expert Workshop on Guidelines for Aquaculture. | FAO/NACA/SCA/DFID | May 2008 | Washington DC, USA |
| Central American Seminar on Contaminants of Foods | FAO | 5-6 June 2008 | San José, Costa Rica |
| Course on “The Codex Alimentarius Standard-Setting Process and You” for all Latin American countries via video link to all countries in the region | FAO/IICA | 16-27 June 2008 | |
| Technical meeting on microbiological hazards in foods to facilitate interchange of experiences among members of the national network on | FAO / National School of Biological Sciences, | June 2008 | Mexico |

| Activity (Workshop/Seminar/Training Course) | Organizers | Dates | Venue |
|--|---------------------|----------------|------------------|
| food safety established in 2006 and re-orient its activities. | Mexico | | |
| Regional workshop on GM food safety assessment | FAO | September 2008 | Santiago, Chile |
| A technical meeting on risk assessment of microbiological hazards in food for countries in the region to analyse experiences on this matter and to define the next steps to consolidate the role of microbiological risk assessment and ensure its use in decision making. | FAO/PAHO/IICA/OIRSA | October 2008 | Bogotá, Colombia |

Projects/Direct assistance

| Title | FAO/WHO | Country | Status |
|---|---|---|---|
| Subregional project on Strengthening GAP, GMP and HACCP application to middle and small size food industries. | WHO/AMRO | Andean, Central America and English speaking Caribbean countries. | Prepared and ready for submission to WHO Department of Food Safety for comments and suggestions for external funding. |
| Training in food hygiene and nutrition | FAO | Argentina | In formulation |
| Development of databases and tables of food composition to strengthen international trade and consumer protection (TCP/RLA/3107) | FAO | Argentina, Chile and Paraguay | Operation commenced in December 2007. NTE November 2009. |
| Subregional project on “Improving the food safety of street foods through establishing a food inspection system based on the Hazard Analysis and Critical Control Point (HACCP) system | FAO/SLC | Barbados/Eastern Caribbean states | Concluded |
| Strengthen biosecurity framework - support to up-dating of biosecurity legal framework and strengthening of national capacity for effective implementation of biosecurity approaches and system. | FAO | Belize | Ongoing |
| Technical assistance to implementing Healthy Food Markets Strategy. The first healthy market was implemented in Bolivia. The experience was disseminated to 5 departments of Bolivia with one market in each department finished. | PAHO/WHO with extra-budgetary support from AGFUND | Bolivia, Dominican Republic, Guyana and Paraguay | Ongoing |
| Support to Instituto de Ciencias Biomedicas, Universidade de Sao | FAO | Brazil | |

| Title | FAO/WHO | Country | Status |
|--|-----------------|--|--|
| Paolo, Brazil in implementation of a study on Biomass, phenotypical and genotypical characterization of <i>V. cholerae</i> , <i>V. parahaemolyticus</i> and <i>V. vulnificus</i> | | | |
| Adaptation, validation and adoption of the WHO's Five Keys to Safer Food in primary schools. | WHO/AMRO | Municipality of Duque de Caxias, Brasil. | Ongoing |
| Education on the WHO's Five Keys to Safer Food to community leaders in the "favela" la Rociña. | WHO/AMRO | Municipality of Rio de Janeiro, Brazil. | Ongoing |
| Technical cooperation in outbreak of Beri-Beri induced by mycotoxin. | WHO/AMRO | Brazil | Ongoing |
| Optimization of the Agro-Industrial Chain for Spirulina for human consumption (TCP/CUB/3013) | FAO/TCP | Cuba | Ongoing |
| Strengthening of Food Analysis Capacity: Creation of national network of Food Analysis Laboratories - linked to the Inter American Food Analysis Laboratories (INFAL) | WHO/AMRO | Cuba | Ongoing |
| Development of coffee production | FAO | Dominica | In formulation |
| Strengthen the food trade sector | FAO/SLC | Dominican Republic | Ongoing |
| Strengthen the competitiveness of the agri-food sector (TCP/DOM/3102) | FAO/SLC/TCP | Dominican Republic | Ongoing |
| Regional project on strengthening national Codex Committee and national Codex Contact Point | FAO/SLC | Dominica, Grenada, St Kitts and Nevis and St Vincent and the Grenadines | In formulation |
| Strengthening of food safety systems: National workshops using the Performance, Vision and Strategy tool were performed and ongoing assessment of actions plans. | WHO/PAHO, IICA | Ecuador, Peru, Bolivia, Paraguay | Ongoing |
| Technical assistance to the nutmeg industry | FAO/AGST | Grenada | Ongoing |
| Harmonization of the Central American Countries Food Code. | WHO/PAHO, OIRSA | Guatemala, Honduras, El Salvador, Nicaragua, Costa Rica, Panamá, Dominican | Ongoing, final document under discussion at national levels. |

| Title | FAO/WHO | Country | Status |
|---|---|---|----------------|
| | | Republic | |
| Implementation of pilot project for adaptation, validation and adoption of WHO's Five Keys to Food Safety in urban and rural primary schools | WHO with extra-budgetary funds from DFID | Guatemala and Venezuela | |
| Rehabilitation of analytical capacities of the chemical laboratory of the Faculty of Agronomy and Veterinary Medicine (FAMV) - Phase II of TCP/HAI/2906 | FAO/TCP | Haiti | Ongoing |
| "Improving Marketing Efficiency of Artisanal Fishermen in Central America, Mexico and the Caribbean", which includes training of fishermen and middlemen in the preservation of the quality of the catches. | FAO/Common Fund for Commodities (CFC) | Honduras, Mexico, Cuba | Ongoing |
| Establishment of a national Codex Committee | FAO/SLC | Jamaica | Concluded |
| Prevention of OTA in coffee | FAO | Nicaragua | In formulation |
| Modernization of the Phytosanitary System – Extension to food safety and animal health components (TCP/PAN/3003) | FAO/TCP | Panama | Ongoing |
| Strengthening of Food Analysis Capacity: Creation of national network of Food Analysis Laboratories - linked to the Inter American Food Analysis Laboratories (INFAL) | WHO/AMRO | Peru | Ongoing |
| Eco-Health for the Caribbean: Burden of foodborne disease studies, rainwater cisterns assessment, distance learning in food safety control programmes. | WHO/PAHO, Laval University, Saint George University, University of West Indies, Public Health Agency Canada | St. Lucia, Guyana, Grenada, Bahamas, Trinidad | Ongoing |
| Subregional projects to strengthen the analytical activities, laboratory quality assurance and capacity building of Inter-American Network of Food Analytical Laboratories (INFAL/RILAA) | FAO/RLC | Subregional | Ongoing |
| Technical assistance in the food and beverage industry in the form of consultancy services to create unified Food Safety Authority and develop national food safety programme. Similar assistance also requested in fish and fish processing industry to update regulations for | FAO/TCP | Trinidad and Tobago | Ongoing |

| Title | FAO/WHO | Country | Status |
|---|----------------|----------------|----------------|
| food safety standards in fish and fishery products and to develop a Fisheries Management Plan | | | |
| Strengthening agri-food chain suppliers to national food and nutrition programmes, with emphasis on those directed to primary schools. | FAO/AGS | Uruguay | In formulation |
| “Fisheries Management in Uruguay”, which includes improvement of the production infrastructures and processes to enhance the sanitary and quality standards of fisheries products | FAO/UTF | Uruguay | Ongoing |

NEAR EAST/EASTERN MEDITERRANEAN

Regional/National events

| Activity (Workshop/Seminar/Training Course) | Organizers | Dates | Venue |
|---|--|---------------------|-----------------------------|
| Improving the quality and safety of fresh fruits and vegetables: a practical approach | FAO | 10-16 July 2007 | Amman, Jordan |
| Good Agricultural Practices: Foods of Plant Origin | FAO | 2-5 September 2007 | Amman, Jordan |
| Inter-regional Total Diet Study Workshop | WHO/EMRO | 28-31 October 2007 | Cairo, Egypt |
| Workshop on training of the trainers on HACCP implementation, audit and verification | FAO in collaboration with the Municipality of Dubai and the Dubai-based MRS Food training services (MRS FTS) | 5-9 January 2008 | Dubai, United Arab Emirates |
| Good Agricultural Practices: Foods of Animal Origin | FAO | 17-20 February 2008 | Amman, Jordan |
| Food Inspection Workshop | FAO | 16-19 March 2008 | Amman, Jordan |
| Enhancing Participation in Codex activities | FAO/WHO | 14-21 April 2008 | Amman, Jordan |
| Workshop on Biosecurity in aquaculture and food safety | FAO/Gov. of Iran | 14-16 April | Tehran, Iran |

Projects/Direct assistance

| Title | FAO/WHO | Country | Status |
|---|----------------|----------------|----------------|
| In depth assessment of food safety conducted and national strategy for food safety developed and documented | WHO/EMRO | Afghanistan | |
| National policies and regulations on HACCP integrated into food control requirement | WHO/EMRO | Bahrain | |
| Strengthening Quality Control Systems for Cereals and Groundnuts | FAO | Egypt | In formulation |

| Title | FAO/WHO | Country | Status |
|--|---|------------------------------------|----------------|
| Establishment of a regional risk assessment body and reorganization of the food control system. | FAO | Gulf Cooperation Council countries | In formulation |
| Capacity building on FOS for inspectors and experts responsible for food affairs; preparation of generic model and code of practice for implementation of the HACCP system and assessment of chemical, pesticides and antibiotic residues in Iranian diet | WHO/EMRO | Iran | |
| Rebuilding Food Safety and Food Processing Capacity in Iraq (OSRO/IRQ/601/UDG) | FAO/WHO/UNIDO | Iraq | Ongoing |
| Functional Inter-Ministerial Independent Iraqi Food Safety Authority established; laws and regulations guiding food safety activities updated and implemented. Links strengthened between Iraq and Codex Alimentarius as well as other international food safety fora and efficient and coordinated implementation of the UNDG ITF food safety project ensured | WHO/EMRO | Iraq | |
| Enhancement of food safety standards and references | WHO/EMRO | Jordan | |
| Strengthening of food safety laboratory | WHO/EMRO | Kuwait | |
| “Improved Production and Marketing Capacities of the Lebanese Agricultural Products”/Strengthening MOA capabilities to control and inspect imported and exported plant and animal products as part of strengthening the food control system in Lebanon | FAO/with extra budgetary support from Italian Cooperation | Lebanon | In formulation |
| Development and testing of a generic HACCP model for food production and handling | WHO/EMRO | Lebanon | Ongoing |
| In depth review of the food safety profile | WHO/EMRO | Libya | Ongoing |
| Assistance in the area of food safety and harmonization of standards | FAO | Libya | In formulation |
| Development and implementation of HACCP plan at each MOH facility. Estimates of microbiological contaminants of concern | WHO/EMRO | Oman | Ongoing |
| Strengthening capacity of MOH and other partners in foodborne risks | WHO/EMRO | Palestine | Ongoing |

| Title | FAO/WHO | Country | Status |
|--|-----------------|---|----------------|
| Development of the Food Industries Division at the National Agricultural Research Centre | FAO (AGNS/AGST) | Saudi Arabia | In formulation |
| Strengthening capacity building of food safety staff and increasing public awareness | WHO/EMRO | Saudi Arabic | Ongoing |
| Assisted member states in improving food safety programmes in the field of import and export certification systems documentation and consumer education. | WHO/EMRO | Somalia, Sultanate of Oman and the Islamic Republic of Iran | |
| Organization and elaboration of national network to circulate information on food risks | WHO/EMRO | Tunisia | |

SOUTH WEST PACIFIC

Regional/National events

| Activity (Workshop/Seminar/Training Course) | Organizers | Dates | Venue |
|---|------------------|----------------------------|-----------------------------|
| FAO, in close cooperation with other development partners (SPC, IFAD, NZ Government, PIFS, FFA, PITIC) continued to conduct Annual Roundtable Meeting on WTO and Regional Trade Agreements Provisions for Pacific Island Countries. | FAO and partners | | |
| Meeting on Enhanced food-borne disease surveillance networking in Asia | WHO | August 2007 | |
| National training workshop on Enhancing Participation in the Standard Setting Work of Codex | FAO | 14-15 November 2007 | Solomon Islands |
| Meeting of Codex Coordinators from Codex member countries in the Pacific to discuss issues relevant to the region and develop discussion papers on kava and nonu (noni) for the 10 th CCNASWP | FAO | Planned for end April 2008 | Fiji, Samoa, Tonga, Vanuatu |

Projects/Direct assistance

| Title | FAO/WHO | Country | Status |
|---|---------|---|---|
| Technical assistance to revise the draft food hygiene regulations. | FAO | Solomon Islands | Technical review and national stakeholder |
| Strengthen food safety policies, legislation and standards | FAO | Nauru, Cook Island and Solomon Islands, and some other Northern Pacific island countries and areas. | Ongoing |
| Enhancement of food safety education based upon the Five Keys to Safer Food, including food safety education in schools | WHO | Pacific countries | |
| Food safety regulations have been drafted | WHO | Cook Islands, Kiribati and Nauru | |
| Food standards have been drafted | WHO | Federated States of Micronesia | |
| Training on risk assessment | WHO | Papua New Guinea | |

| Title | FAO/WHO | Country | Status |
|--|--|-----------------------------|---------------|
| Integrated project proposal on food standards for consideration by regional trade officials. | FAO/WHO | Pacific Islands | Ongoing |
| Integrated Food Standards Project to strengthen capacity of the Pacific Islands Forum countries to establish and enforce internationally recognized food laws, standards and inspection procedures to promote unhindered trade in safe and wholesome food. | WPRO/Pacific Islands Forum Secretariat | 14 Pacific Island countries | Ongoing |

ACRONYMS

| | |
|----------------|---|
| AECI | Agencia Española Cooperación Internacional |
| AFRO | African Region |
| AGAH | Animal Health Service |
| AGFUND | Arab Gulf Programme for the United Nations Development Organizations |
| AGNS | Food Quality and Standards Service |
| AGPP | Plant Protection Service |
| AGS | Rural Infrastructure and Agro-Industries Division |
| AGST | Agricultural and Food Engineering Technologies Service |
| AMRO | Region of the Americas |
| CCNASWP | Codex Coordinating Committee for North America and the South West Pacific |
| CCP | Codex Contact Point |
| CFC | Common Fund for Commodities |
| DFID | Department for International Development |
| EC | European Community |
| EMRO | Eastern Mediterranean Region |
| ESCP | Commodity Policy and Projections Service |
| EURO | European Region |
| FAMV | Faculty of Agronomy and Veterinary Medicine |
| FAO | Food and Agriculture Organization |
| FAVRI | Fruit and Vegetable Research Institute |
| FFA | Pacific Islands Forum Fisheries Agency |
| FIC | Forum Island Country |
| FTS | Food training services |

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|-----------------|--|
| GM | Genetically Modified |
| HACCP | Hazard Analysis Critical Control Point |
| IIA | International Industry Academy |
| ICD | Industry Council for Development |
| IFAD | International Fund for Agricultural Development |
| IICA | Inter-American Institute for Cooperation on Agriculture |
| INEI | Instituto Nacional de Estadística e Informática |
| INFAL | Inter American Food Analysis Laboratories |
| INFOFISH | Intergovernmental Organization for Marketing Information and Technical Advisory Services for Fishery Products in the Asia and Pacific Region |
| LEG | Legal Office |
| MIRCEN | Microbial Resources Centres |
| MOA | Ministry of Agriculture |
| MOH | Ministry of Health |
| MRA | Microbiological Risk Assessment |
| MRM | Microbiological Risk Management |
| MZCP | Mediterranean Zoonoses Control Programme |
| NACA | Network of Aquaculture Centres in Asia and the Pacific |
| NZAID | New Zealand's International Aid & Development Agency |
| OIRSA | Organismo Internacional Regional de Sanidad Agropecuaria |
| PAHO | Pan-American Health Organization |
| PIFS | Pacific Island Forum Secretariat |
| PITIC | Pacific Islands Trade and Investment Commission |
| RILAA | Red Interamericana de Laboratorios de Análisis de Alimentos |
| RLC | Regional Office for Latin America and the Caribbean |
| SCA | Sustainable Commercial Aquaculture |

| | |
|-----------------|--|
| SIDA | Swedish International Development Cooperation Agency |
| SIPPO | Swiss Import Promotion Programme |
| SLC | Subregional Office for the Caribbean |
| SPC | Secretariat of the Pacific Community |
| SPS | Sanitary and Phytosanitary Measures |
| STDF | Standards and Trade Development Facility |
| TCP | Technical Cooperation Programme |
| UEM | Economic and Monetary Union |
| UEMOA | West African Economic and Monetary Union |
| UNDG ITF | United Nations Development Group-Iraq Trust Fund |
| UNESCO | United Nations Educational, Scientific and Cultural Organization |
| UNU/FTP | United Nations University Fisheries Training Programme |
| UTF | Unilateral Trust Fund |
| WB | World Bank |
| WHO | World Health Organization |
| WPR | Regional Committee for the Western Pacific |
| WPRO | Western Pacific Region |
