

CAPACITY DEVELOPMENT IN FOOD SAFETY AND QUALITY

Communication by the Codex Alimentarius Commission (Codex)

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TECHNICAL CAPACITY DEVELOPMENT OVERVIEW

1. Under their respective mandates, goals and workplans, FAO and WHO are engaged in a range of food safety and quality technical capacity development activities at national, regional and international levels. These capacity development activities directly support the Codex Strategic Plan 2008–2013; in particular, activities 1.7, 2.6 and 5.4.

2. FAO and WHO capacity development activities are generally aimed at:

- upgrading the capacity of developing member countries in food safety, quality control and quality assurance and supporting their effective participation in the work of Codex;
- enhancing the respective roles of the agriculture and health sectors and trade and industry in ensuring the safety and quality of the food supply; and
- strengthening cooperation and collaboration between FAO and WHO and partner organizations, in the field of food safety and quality.

3. Since the last session of the Codex Alimentarius Commission, FAO and WHO (either jointly or together with partner organizations and donors) have commenced or are continuing to deliver over 185 direct technical assistance projects on food safety and quality to countries in all global regions. More than 80 regional projects and international events addressing food safety issues were also delivered and more than 40 technical capacity development project proposals are under formulation.

More background on FAO and WHO technical capacity development management is available at <http://www.fao.org/ag/agn/agns>, <http://www.fao.org/ag/againfo/home/en/index.htm> and <http://www.who.int/foodsafety/capacity/en/>

4. Detailed lists of capacity development activities at the regional and national levels are provided in Annexes 1-6. Joint FAO/WHO Codex training/capacity-building organized by the Codex Trust Fund in collaboration with Codex partners for the period in question appears in the annual reports and progress reports of the Codex Trust Fund which are submitted to CCEXEC and CAC. A range of supporting materials (e.g. guidelines, manuals and online resources), global information exchange systems, international events and global projects have also been delivered since the last session of the Codex Commission, or are under development by FAO and/or WHO. Details of recent materials and activities are provided in Part I with other related activities being described in Annex 7.

5. Looking ahead, priorities for the coming year, which may be implemented jointly by FAO and WHO, or in association with other partner organizations, include:

- providing policy advice and supporting the establishment of food and feed safety regulatory and institutional frameworks;
- strengthening official food safety systems through the use of the risk analysis framework including risk assessment of food hazards;
- facilitating the input/access of national scientists to international risk assessment and provision of scientific advices.
- enhancing food safety laboratory capabilities, and planning and implementation of food inspection systems;
- integrating preparedness and response capacities to food and feed safety systems, to address food and feed safety emergencies;

- foster countries' epidemiological capacity to conduct national foodborne disease burden studies and strengthen research utilization in policy development and practice;
- targeted training for food safety officials and technical staff (food safety managers, food inspectors, and food analysts) in carrying out their respective duties,
- supporting national Codex programmes (including Codex Contact Points and National Codex Committees) to facilitate effective participation in Codex;
- enhancing food and feed safety management (including implementation of good hygiene practices, and good agricultural practices) by food producers and food processors;
- strengthening regional and international food control information exchange and cooperation activities;
- developing global tools and training materials to assist food and feed safety and quality control activities; and
- providing tailored regional and sub-regional Codex training to further enhance developing country participation in Codex activities at global, regional and national levels.

Capacity development activities at national and regional levels are implemented according to organization-wide strategic planning as well as in response to direct requests from member countries. These activities are developed, managed, delivered and evaluated, either through the respective FAO and WHO regional, or headquarters offices, depending on the nature of the project.

PART I: RECENT TOOLS AND TRAINING MATERIALS TO SUPPORT CAPACITY DEVELOPMENT

6. FAO and WHO are engaged in the development of a number of manuals, guidelines and training materials to facilitate the capacity development effort. These materials are particularly relevant to policy makers responsible for strengthening food control programmes. Most are developed jointly and some through specific field projects operated either by FAO or WHO. Information on materials recently developed (mainly since the last session of the Commission) and ongoing tools is given below. A description of other relevant capacity development publications and tools is provided in Annex 7.

- FAO began 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 which provide training and other technical support to small and medium-scale businesses on programmes of food hygiene and quality assurance.
- 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 pre-publication copy is available and the publication including a CD with training materials is available in English, French and Spanish at <http://www.fao.org/docrep/012/i0110e/i0110e00.htm>. The case studies (Part III of this publication) are now available in Spanish - see: <http://www.rlc.fao.org/es/inocuidad/pdf/estcaso.pdf>
- FAO published a "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 available in English, French and Spanish at

<http://www.fao.org/docrep/010/i0096e/i0096e00.htm>. The Russian language version is in print.

- As a complement to this work, "Guidelines for risk-based fish inspection" which provide technical information to support fish inspection systems was published in English, French and Spanish at <http://www.fao.org/docrep/011/i0468e/i0468e00.htm>.
- FAO has initiated development of an "Imported Food Control Manual". The manual aims to assist official authorities in the development, review and implementation of national imported food control programmes and will be in line with guidance developed by CCFICS and related FAO and WHO texts on risk based inspection and food control.
- WHO/AFRO developed a Training Manual on Food Safety Risk Analysis. The document is being finalized in English and will be translated into French and Portuguese in due course.
- WHO/AFRO elaborated guidelines on inclusion of food safety, nutrition and food security in Poverty Reduction Strategies and development papers.
- WHO/AFRO included food safety in guidelines for nutrition in HIV/AIDS programmes.
- WHO/AFRO prepared guidelines for strengthening national food control and field tested in Benin, Cote d'Ivoire, the Gambia, Uganda, Seychelles and Ghana.
- WHO/AFRO developed Regional Guidelines on foodborne disease surveillance.
- WHO/AFRO included foodborne disease surveillance in the new Technical Guidelines for Integrated Disease Surveillance and Response in the African Region.
- 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.
- FAO and WHO, in collaboration with the Industry Council for Development (ICD), are developing a toolkit of practical training materials on risk analysis for food safety practitioners.
- FAO has initiated work on developing benchmarks to guide governments on capital costs and running costs of developing and implementing effective official systems of food control. Along with national level assessments of their food control systems, these benchmarks will provide a useful tool to governments in planning investments in food control.
- FAO is developing a publication on "Aid for trade: food safety and quality" as part of series of "Aid for trade" publications. This publication will explain the importance of food quality and safety issues in the food trade and will provide an updated account of what FAO does in this area.
- FAO published a book in English and French: "Linking People, Products and Places; a guide for promoting quality linked to geographical origin and sustainable GIs". The aim of this guide is to provide local stakeholders with a conceptual framework, concrete illustrations and methodologies for the promotion and preservation of specific quality products linked to geographical origin and for implementation of GI schemes. The Spanish version will be available soon.
- FAO is publishing six Asian case studies on specific quality linked to geographical origin and GI schemes, which analyze advantages, constraints and key factors for GI schemes

development from the lessons learnt in six countries (Cambodia, China, India, Indonesia, Mongolia and Thailand).

- FAO and WHO published "The Impacts of Private Food Safety Standards on the Food Chain and on Public Standard-Setting Processes". This publication was introduced at the 32nd Session of the Commission and is available in English (<http://www.fao.org/docrep/012/i1132e/i1132e00.pdf>), French (<http://www.fao.org/docrep/012/i1132f/i1132f00.pdf>) and Spanish (<http://www.fao.org/docrep/012/i1132s/i1132s00.pdf>).
- FAO and WHO developed a "FAO/WHO Framework for Developing National Food Safety Emergency Response Plans". This document was developed to assist countries in the formulation and implementation of national food safety emergency response plans. The document will be available in English, French and Spanish and will be used for future capacity development activities to implement preparedness for food safety emergencies at both regional and national levels.
- A status report on FAO activities to build capacity for effective participation in Codex "Making the Codex Connection to Food Safety" is in final stages of preparation.
- JEMRA has developed a tool to assess performance of microbiological sampling plans. It is currently under review and will be available later this year. Subsequently, training materials will be developed on design of sampling programmes, which will include increased understanding and use of the tool.
- FAO is developing a publication on "Milk and dairy products in human nutrition" which will include a chapter on quality and safety of milk and dairy products.
- A manual on "Buenas Prácticas de Higiene en la Preparación y Venta de los Alimentos en la Vía Pública en Latinoamérica y el Caribe" has been published. (<http://www.rlc.fao.org/es/inocuidad/pdf/higiene.pdf>)
- The FAO/RLC developed an e-learning course on "Hygienic Food Handling I". The course provides tools on hygienic food handling practices to ensure food safety and reviews the basic codes of hygiene. (http://www.rlc.fao.org/nucleo/curso_MHA200904.htm)
- The FAO/RLC e-learning training courses on "Hygienic Food Handling" (Manipulación Higiénica de los Alimentos) Versions II and III are now available. The courses provide tools on hygienic food handling practices to ensure food safety and review the basic Codex codes of hygiene. (http://www.rlc.fao.org/nucleo/curso_MHA200904.htm)
- The FAO/RLC e-learning training course "Risk Analysis for Food Safety" (Análisis de Riesgos de la Inocuidad de los Alimentos) is now available. The course is based on documents published by FAO and the Codex Alimentarius relating to risk analysis. (<http://www.rlc.fao.org/nucleo/cursos/ARIA201004.htm>)
- The FAO/RLC "Eat safely" campaign to prevent food-related diseases has been conducted in all the Latin American and Caribbean countries. The campaign provides information in English, Spanish ("Come Sano"), French ("Mange Sain") and Portuguese ("Coma Saudavel") on the good practices for safe and healthy eating, including handling and preparation of food at home. The campaign materials are available at the following web address: <http://www.rlc.fao.org/es/prioridades/sanidad/comesano.htm>.
- The FAO/RLC "Eat Safely" programme has been extended to a radio broadcast campaign in local native languages (Quechua, Creole, etc) in the Dominican Republic, El Salvador, Guatemala, Haiti, Panama and Peru.

- The FAO/RLC developed an e-learning course on "Food Safety Control Systems", and it is available at (http://www.rlc.fao.org/nucleo/curso_SCIA200909.htm).

PART II: GLOBAL INFORMATION EXCHANGE MECHANISMS

7. The International Portal on Food Safety, Animal and Plant Health (<http://www.ipfsaph.org>) has undergone significant technical work since June 2009 with the goal of making it more intuitive to use, both for retrieving information and for publishing official national records. As of April 2010, the portal indexed approximately 50,000 records collected from over 50 different official data sources. The focus of the Portal is being streamlined so that its two basic functions are more apparent on the home page: first, the Portal is a free information database for general public worldwide; and second, it is a simple-to-use publishing platform for registered users with an account, by means of which official food safety, animal health and plant health information may be shared. The core searching function has been significantly strengthened to enable chronological and advanced searches, and various other functions have been added and/or improved.

8. In addition, the 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 undergone technical and user-oriented improvements to make it easier both to add official safety assessments from national government or other official organization sources, and to search the information. This data set operates in cooperation with the OECD BioTrack database, an interoperable central database containing food safety assessments relating to foods derived from r-DNA plants. The data set gathers food safety assessment 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, among others.¹ As the technical work described above nears completion, all Codex members will be invited to upload their relevant records, including LLP-rDNA data, into IPFSAPH. For more information visit: <http://www.ipfsaph.org> or contact ipfsaph@fao.org.

9. INFOSAN is now a joint FAO/WHO initiative, with the secretariat in WHO. The network currently includes the participation of 177 member states. The aim of the network is to promote the rapid exchange of information during food safety related events, share information on important food safety related issues of global interest, promote partnership and collaboration between countries, and help countries strengthen their capacity to manage food safety emergencies. Some of the key areas for development in 2010 include strengthening the collaboration of Member States to encourage communication and technical exchange of risk assessments and best practices, and enhancing linkages with other relevant organizations and networks. INFOSAN is also an important partner with FAO's EMPRES Food Safety programme.

10. FAO, in collaboration with several partners, has launched a web-based Gateway to Animal Feeding (<http://www.fao.org/ag/animalfeeding.html>) which gives particular relevance to feed safety issues and provides a single access point to a wide range of information (legislation, codes of practices, scientific and technical documents, training material, a directory of experts and organizations, etc.) and a platform to engage in thematic fora. The Gateway strengthens synergies and encourages partnership amongst government institutions, the private sector, non-governmental organizations, scientists, etc. to facilitate the funding, execution and communication of initiatives aiming at a safe and responsible animal feeding and therefore food safety.

11. Within the framework of "Specific quality", the project GCP/INT/022/FRA funded by France, aims to assist member countries in developing specific quality schemes adapted to their economic,

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).

social and cultural situation. FAO continues to collect and share information through regional seminars. In 2009 regional seminars on "Quality linked to geographical origin" were organized in Asia (Bangkok, Thailand, 8-11 June 2009) and in Latin America (San José, Costa Rica, 29 September–1 October 2009). For more information please contact <http://www.foodquality-origin.org>.

12. FAO launched a new web-based Gateway to Governance in the Livestock Sector, including Food and Feed Safety and Quality (<http://www.fao.org/ag/governance-livestock.html>) that gathers a wide range of information: legislation, strategies and policies, standards (international and national, public and private), codes, guidelines, manuals of practices, etc. aiming at a responsible livestock sector development.

13. PAHO/WHO launched the virtual health library in food safety: <http://bvs.panalimentos.org/php/index.php?lang=es>.

14. As reported to the 32nd session of the Commission, FAO established a programme for emergency prevention and early warning in the area of food safety (EMPRES Food Safety) as part of its Food Chain Crisis Management Framework (FCC). 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 fully engages INFOSAN activities, particularly in relation to accessing relevant information from the agriculture sector, analysing trends, forecasting and providing technical assistance to prevent emergencies. More information is available at: EMPRES-FS@fao.org.

15. The FAO Regional Office for Europe and Central Asia developed a new webpage "*Quality & Origin in Europe and Central Asia - Traditional Agricultural and Food Products*". The webpage is addressed to agricultural and public policy-makers, stakeholders interested in the promotion of traditional food production and rural development, producers of traditional products, academia, research institutions, competent national institutions, professionals concerned with aspects related to food safety, nutritional balance and quality of products, consumers. The aim of the page is to facilitate the access to information and good experiences, thus fostering collaboration and partnerships in increasing the presence and variety of regional traditional products associating them with sustainable rural development. The regional website was created with the support from countries that provided relevant information through an applied questionnaire. The address of the website is: <http://www.foodquality-origin.org/europe> (temporary access at: <http://213.163.11.208/qigo/>)

PART III: PLANNED INTERNATIONAL EVENTS

16. FAO's EMPRES Food Safety has provided several workshops on national food safety emergency response planning. At the regional level, EMPRES Food Safety contributed to the Global Foodborne Infections Network (GFN)/Asia Food Net workshop which was held in collaboration with WHO and FAO on national food safety emergency response planning (Bangkok, Thailand, 2-4 June 2010). The workshop used the "FAO/WHO Framework for Developing National Food Safety Emergency Response Plans" as the key training tool. At the national level, similar workshops in Bangladesh and Vietnam are scheduled for implementation in 2010. EMPRES Food Safety is considering implementing similar workshops in other regions and countries upon official request and depending on available extra-budgetary resources. For more information on making such requests or donations, contact: EMPRES-FS@fao.org.

17. WHO provided eight international and three national training courses on the surveillance and detection of foodborne and other infectious enteric diseases through a network called Global Foodborne infections Network (GFN), formerly known as WHO Global Salm-Surv. The network changed name in 2009 to reflect its broader scope beyond *Salmonella*. Training sites included

Barbados, Brazil, China, Costa Rica, Guam, Kenya, Madagascar, Thailand, Poland and United Arab Emirates. In these courses a total of 596 professionals from 87 countries were trained. Integrated laboratory-based surveillance is promoted and inter-sectorial collaboration between human health, veterinary and food-related disciplines is fostered around the world. FAO is expanding its level of collaboration in GFN. The Membership to WHO Global Foodborne Infections Network (GFN) has now reached close to 1600 individual members from more than 700 institutions in 177 member states and territories. For more information, please visit: <http://www.who.int/gfn>.

18. FAO and WHO, with support from the Codex Trust Fund, organized a half day seminar on "Risk Assessment of Contaminants by JECFA: What is expected from Codex members and what data is needed" for all participants at the 4th Session of the Codex Committee on Contaminants (Izmir, Turkey, 28 April 2010). The objective of the seminar was to provide information to delegations about how Codex members and observers can get involved and contribute successfully to risk assessments performed by JECFA and the Codex risk analysis process. Presentations addressed specifically the type and quality of data that Codex members and stakeholders can generate that will subsequently allow JECFA experts to develop a risk assessment that meets the needs of CCCF for standard-setting and is reflective of the global situation. In light of the interest shown in the seminar, FAO and WHO are looking at using all opportunities to provide information to member states on risk assessment and the Codex process, particularly to developing countries and countries with economies in transition as the scientific advice provided to Codex could benefit from more input from these countries.

19. WHO assisted countries to develop educational projects and health promotion campaigns with the Five Keys to Safer Food in the context of international events such as the FIFA World Cup and Shanghai Expo. The WHO Guide on Safe Food for Travellers will be distributed to all travellers to these countries as part of their efforts to prevent foodborne diseases. WHO together with the Department of Health of South Africa adopted the Five Keys to Safer Food training course to train the food handlers in preparation of the FIFA World Cup. WHO was accepted to be part of the Shanghai Expo for 11-16 October 2010 under the theme: The Five Keys to Safer Food for a better life: Knowledge = Prevention.

20. FAO, in collaboration with the International Feed Industry Federation (IFIF) organized the 3rd International Feed Regulators meeting in Atlanta, USA from 25 to 27 January 2010. The event aimed at fostering dialogue and cooperation between the public and the private sector on themes of feed safety. With a view to emerging feed safety concerns, the main themes of the meeting were risk assessment and risk management in animal feed production and how they are being addressed by industry and national or regional competent authorities. All participants explored ways in which industry and competent authorities might work closer to come up with more effective and efficient solutions to ensure feed safety and discussed factors that currently restrict feed and feed ingredients trade.

PART IV: GLOBAL PROJECTS/INITIATIVES

21. The Governments of the Netherlands and Norway jointly supported an FAO Multi-donor Partnership Programme (FMPP) for 2009 that succeeded the PCA Norway and provided continued support to "Improved Food Safety and Quality at National Level and along the Food Chain". Activities under the 2009 programme were implemented at national and sub-regional levels and include the following countries: Bangladesh, Bhutan, Burkina Faso, Cambodia, Democratic Republic of Congo, Guatemala, Honduras, Lao PDR, Myanmar, Mali, Tanzania and Uganda.

22. FAO has distributed a questionnaire "Resource Requirements for Operation of a "Mature" National Food Control System" to a number of countries as part of a benchmarking exercise to model the costs and resources required to deliver a 'mature' food control system. The model will be used in association with a broader FAO global survey on agricultural investment to provide semi-quantitative

advice on resource needs required for member countries to develop and implement effective food control systems in line with national socio-economic situations, policies and needs.

23. At its 32nd Session, the Codex Alimentarius Commission considered the issue of the impact of private food standards on member states and on the work of the Commission and agreed on the conduct of a paper to further appraise the issue. The paper, and associated workshops on the issue, will be presented at the next session of the Commission in July 2010.

24. The WHO Initiative to Estimate the Global Burden of Foodborne Diseases, launched in 2006, aims to provide reliable data on the global extent of the burden of foodborne diseases by age, sex, and region for a defined list of causative agents of microbial, parasitic, and chemical origin. The Initiative's global efforts will be complemented from the end of 2009 onwards with country foodborne disease burden studies which will provide first hand burden estimates and supplement FERG's epidemiological reviews. Country capacity in foodborne disease burden estimation, policy situation analysis and the use of epidemiological data in food safety policy-making will be strengthened through specific training opportunities and mentoring offered by the Initiative.

25. WHO finalized the Train the Trainer course on the Five Keys to Safer Food, pilot tested in South Africa, Tunisia and Belize (http://www.who.int/foodsafety/consumer/keys_training/en/index.html). This course provides guidance on how to both educate and promote the adoption of safe food handling behaviours. The first module was designed to target women as women play an important role in the production and the preparation of safe food. This training course was also developed in response to the WHO Director-General's priorities to promote the health of women, particularly in developing countries (Women and health: today's evidence tomorrow's agenda [WHO global report 2009]). Modules directed to different target groups are in preparation.

26. All over the world, WHO country and regional offices collaborate with national authorities to develop Five Keys educational projects in schools, hospitals, canteens, etc. To date, more than 90 countries have implemented Five Keys to Safer Food educational projects.

PART V: REGIONAL/NATIONAL PROJECTS/INITIATIVES

27. Various activities were held at regional/national level. These are highlighted in Annexes 1-6 under regional/national events and projects/direct assistance to countries. Some are fully related to food safety and/or quality while others food safety is a component of a broader project.

28. The document "Report on the Codex Alimentarius and Food Safety in the Region" was presented at the 31st FAO Regional Conference for Latin America and the Caribbean (LARC 31). More information is available at <http://www.fao.org/docrep/meeting/018/k7339e.pdf>.

ANNEX 1

AFRICA

REGIONAL/NATIONAL EVENTS

Activity (Workshop/Seminar/Training Course)	Organizers	Dates	Venue
Subregional workshop (UEMOA countries) on the use of risk analysis for food control activities	FAO	22 to 24 February 2010	Cotonou, Benin

PROJECTS/DIRECT ASSISTANCE TO COUNTRIES

Title	FAO/WHO	Country	Status
Strengthening of the national Codex Committee and the Food Control System through a national project	FAO/TCP	Angola	Ongoing
Emergency response mission to address Bromide intoxication event	WHO	Angola	Mission conducted. Reports presented to Government of Angola
Support for SPS information systems in Benin	FAO/STDF	Benin	Ongoing
Sanitary Improvement of cashew nut and shea nut value chain	FAO/STDF	Benin	Ongoing
Evaluation of national food control systems and food safety programmes, elaboration of food safety policies, legislation, strategies and plans of action	WHO/AFRO	Benin, Burkina Faso, Burundi, Cote d'Ivoire, the Gambia, Ghana, Guinea, Kenya, Liberia, Malawi, Mauritania, Mauritius, Niger, Rwanda, Senegal, Seychelles, Togo and Uganda	2008-2009
Capacity building to enhance fish trade performance in selected African countries (complying with SPS)	FAO/STDF	Benin, Gambia, Mauritania, Senegal, Sierra Leone	Ongoing
Establishment of national food safety task force, committees and working groups	WHO/AFRO	Botswana, Guinea, Gabon, Ghana, Kenya, Mozambique, Sierra Leone and Uganda	2008-2009
Strengthening of National Codex Committees	WHO/AFRO	Botswana, Guinea, Kenya, Sierra Leone and Uganda	2008-2009
Strengthening the national food safety and quality control system in Cameroon	FAO/STDF	Cameroon	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 heavy metals using a total diet study (TDS)	FAO	Cameroon	Ongoing

Title	FAO/WHO	Country	Status
Advice and support to the Centre Pasteur du Cameroon, to coordinate the submission to STDF of a project for the implementation of a regional Total Diet Study for Sub-Saharan Africa.	FAO/WHO/INRA/STDF	Cameroon, Mali, Nigeria, Burkina Faso, Senegal	Ongoing
Strengthening the national Biosecurity systems in Cape Verde	FAO	Cape Verde	Ongoing
Training of food vendors in markets in Brazzaville using the Five Keys to Safer Food	WHO/AFRO	Congo, Rep. of	Ongoing
Development of Guide for Social Mobilization	WHO/AFRO	Congo Rep. of and Guinea	2008-2009
Assessment of food control capacities and formulation of a project proposal for the Republic of Congo	FAO/TCP	Congo, Rep. of	Achieved Feb. 2010 – report submitted to Congolese authorities
Strengthening the National Codex Committee	FAO/TCP	Côte d'Ivoire	Ongoing
Assessment of Food control capacities and formulation of a project proposal for Djibouti	FAO/TCP	Djibouti	Ongoing
Strengthening of National Codex Committee and preparation of action plan	WHO/AFRO	Eritrea	2009 Ongoing
Strengthening of national biosecurity capacity	FAO	Gambia	2008-2009
Training of public health officers in HACCP	WHO/AFRO	Gambia, Lesotho, Mozambique, Guinea, Madagascar, Malawi, Kenya and Seychelles	2008-2009
Curriculum development and enhanced access and understanding of food standards relevant for food safety and quality	FAO/STDF	Ghana	Commencing in August 2010
FAO supported assessment of facilities, preparation and handling practices for safe delivery at FAO Regional Office canteen in Accra (Ghana).	RAFT/SFW	Ghana	2009
FAO provided support for a survey on Street Food Situation at selected night markets in Accra (Ghana) and Praia (Cape Verde)	RAFT/SFW	Ghana and Cape Verde	2009
Strengthening National Codex Committee	FAO/TCP	Guinea	Project ongoing
Biosecurity project: focusing on pesticide residue issues	FAO	Kenya	Ongoing
Training of food control officers and regulators in prosecution	WHO/AFRO	Kenya	2009
Finalization of food law	FAO/TCP	Madagascar	Achieved in 2009 Report and recommendations submitted to Government
Strengthening national biosecurity capacity	FAO	Malawi	2008-2009
Investigation of typhoid fever	WHO/AFRO	Malawi	2009
Support for implementation of Codex Code of Practice for Fish and Fishery Products	FAO	Malawi	2009
Training of ANSSA staff in risk analysis of food control decision making	FAO/TCP	Mali	In pipeline, pending funding
Hygienic handling of foods of animal origin.	FAO	Rwanda	Project in formulation
Facilitate trade in the Southern African Development Community (SADC) member states through food standards and food safety management.	FAO	SADC	

Title	FAO/WHO	Country	Status
Sensitization of district task forces, producers and manufacturers on application of food safety norms and standards	WHO/AFRO	Sierra Leone	2009
Promotion of advocacy and communication of Five Keys for Safer Food or 3 fives in food safety in collaboration and partnership at regional, national and global level Strengthened capacity in advocacy and awareness generating activities Zoonotic and non-zoonotic foodborne disease surveillance and hazard monitoring programmes strengthened and integrated into existing national surveillance system with results being disseminated Establishment of public health laboratories in reducing environmental public health risks and food safety risks	WHO/EMRO	Somalia	Ongoing
Train-the-Trainer course on the Five Keys to Safer Food	WHO/AFRO	South Africa	Pilot-tested
Technical support and health promotion campaigns in preparation for the FIFA World Cup 2010.	WHO	South Africa	Ongoing
Assistance to the Government in promoting the application of good hygiene practices at all stages of the value chain for selected commodities (UNJP/URT/131/UNJ)	FAO/WHO	Tanzania	Ongoing
Capacity building of regulatory agencies for handling genetically modified seeds, crops and processed foods (TCP/UGA/3103)	FAO	Uganda	Ongoing
Prevention and control of biological and chemical hazards of poultry products through the application of Good Practices along the production chain in Uganda	FAO	Uganda	Ongoing

ANNEX 2

ASIA

REGIONAL/NATIONAL EVENTS

Activity (Workshop/Seminar/Training Course)	Organizers	Dates	Venue
Regional workshop on quality linked to geographical origin	FAO, Thai Intellectual property department, EU delegation in Thailand	8-11 June 2009	Bangkok, Thailand
FAO Training of Trainers Programme on Horticultural Chain Management – regional	FAO, with Post-Harvest Unit of the Clean Agricultural Centre	19-26 September 2009	Vientiane, Lao PDR
GFN national advanced workshop III for China	WHO GFN, China CDC	7-9 September 2009	Zhengzhou, Henan, China
GFN national training course for China	WHO GFN, China CDC	10-13 September 2009	Zhengzhou, Henan, China
Workshop on Nipah and Hendra viruses, Research and Public health	WHO in collaboration with FAO, OIE, Australia Dept of Health and Ageing and Australia CRC.	13-16 October 2009	Brisbane, Australia
Training in how to conduct burden of foodborne disease studies for health authorities from China, Malaysia, Singapore, Viet Nam	WHO	December 2009	Brisbane, Australia
FAO Training of Trainers Programme on Fresh Cut Produce – Regional	FAO with KMUTI, Thailand as implementing partner	22-26 March 2010	Bangkok, Thailand
Workshop on FAO/WHO Framework for Food Safety Emergency Response Planning	WHO and GFN supported by FAO	2-4 June 2010	Bangkok, Thailand
Regional food safety workshop	OIE/FAO-Africa	12-16 July 2010	Tokyo, Japan
Technical advice and support for selected participants to ASEAN Food Safety Expert Group	WHO	2010	Under planning
Workshop on strengthening safety and quality in the food retail chain	FAO and Food Safety and Standards Authority of India	November/December 2010	

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 (GCP/RAS/222/JPN 223-JPN)	FAO with funding from Japan	ASEAN countries	Ongoing (1 February 2007 – August 2011)
Regional policy and advisory technical assistance (R-PATA) Accelerating the implementation of the Core Agriculture support programme	FAO with funding from ADB	GMS countries	Ongoing (2009-December 2011)
Technical support and preparation of concept notes to build policy and institutional capacity on food safety and plant health in relevant Ministries TCPF/AFG/3203	FAO	Afghanistan	Ongoing
Support to develop a project proposal for improvement of live bird market for AI prevention and control in Bangladesh	WHO/FAO	Bangladesh	Proposal developed 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	Completed March 2010
Improving food safety, quality and food control in Bangladesh (GCP/BGD/038/EC)	FAO	Bangladesh	Ongoing (1 January 200 – 31 December 2010)
Establishment of national strategy for promotion of specific quality while preserving local resources – Yak products and mushrooms	FAO	Bhutan	Ongoing
Improving Food safety and its management in Cambodia, Laos and Vietnam (GCP/RAS/207/NZE)	FAO	Cambodia, Laos and Vietnam	Ongoing - 1 January 2005 – 31 December 2009
Support provided to enable a survey of chloropropanol contamination of domestic and imported soy sauce products	WHO/WPR	Cambodia	Concluded
Capacity building to enhance fish quality control and standardization services and contribute to poverty alleviation TCP/CMB/3204(D)	FAO	Cambodia	Ongoing
Support to improve quality and safety of fish sauce	FAO	Cambodia, Myanmar	2009
Strengthening Testing Capability for Food Safety – TCP/CPR/3007	FAO/TCP	China	Ongoing
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
World Bank agricultural products Safety Project for Jilin province	WB/FAO	China	Formulation stage
Improvement of aquaculture food safety in Hubei Province -TCP/CPR/3203D	FAO	China	Ongoing (1 August 2009 – 31 December 2010)
Technical support provided on food safety and the Olympic Games	WHO	China	Ongoing
Improvement of traditional live market for AI prevention and strengthening of food safety and education of stakeholders (USAID funding)	WHO	China	2009-April 2010
MDG project to improve nutrition, food safety and food security for women and children in the poorest counties of China	WHO/FAO + 6 UN agencies	China	Started January 2010.
Strengthening of foodborne disease surveillance system in Qingdao	WHO	China	2010

Title	FAO/WHO	Country	Status
Strengthening of chemical food contaminant monitoring system in Guanxi	WHO	China	2010
Support for the implementation of national food safety law	WHO	China	2009-2010
Development of a community based food complain and reporting system-Qingdao province	WHO	China	2009 - completed
Introduction of HACCP in municipal catering services, Nanning, Guangxi province	WHO	China	2009 - completed
GFN Enhanced Salmonella Surveillance programme	WHO/China CDC and partners	China	Ongoing
GFN provincial training course for Guangdong Province	WHO GFN and China CDC	China	29 June - 3 July 2009
Review of the food inspection services	FAO	Fiji	Implemented in 2009
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
Sustainable insect farming and harvesting for better nutrition, improved food security and household income generation	FAO	Laos, PDR	April 2010 – March 2012
Support for reducing fishborne trematodes in aquaculture systems	FAO	Laos PDR	2009-2010
Reviewing and revising National Food Safety Emergency Response Plan (FSER) as appropriate	WHO	Laos PDR	Planned follow-up to regional meeting
Modernizing and strengthening food inspection	WHO	Laos PDR	Initiated
Identification of capacity building needs of the Malaysian fish inspection system – TCP/MAL/3201D	FAO	Malaysia	Ongoing (July 2008 – December 2009)
Mission to review the current food safety programme in Mongolia and to provide guidance on its future advancement	FAO/WHO	Mongolia	In formulation
Support for a mentoring programme between Malaysia and Mongolia on Codex Office operations	WHO	Mongolia	2010
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 (MTF/NEP/060/STF)	FAO with funding from STDF	Nepal	Ongoing (March 2009 – July 2010)
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
Strengthening national food control system for fresh produce in the Philippines	FAO/TCP	Philippines	In formulation
Meat hygiene and inspection	FAO	Philippines	In formulation

Title	FAO/WHO	Country	Status
Meat hygiene and inspection – assisting national counterparts to transfer knowledge and skills to provincial and local levels	WHO	Philippines	Ongoing
Assistance in training in food safety and quality and certification	FAO	Sri Lanka	In formulation
Enhancement of laboratory capacity on food safety in primary production	FAO/TCP	Thailand	Under development
Capacity building for the food inspection system in Vietnam (UNJP/VIE/042/UNJ One Plan I)	FAO/TCP	Vietnam	Ongoing (September 2009 – December 2010)
Food safety information, education and communication (UNJP/VIE/043/UNJ One Plan II)	FAO/TCP	Vietnam	Ongoing (August 2009 – July 2010)
Strengthening Vietnamese SPS capacities for trade; improving safety and quality of fresh vegetables through the value chain approach (MTF/VIE/046/STF)	FAO/STDF	Vietnam	Ongoing (March 2010 – February 2012)
Workshops on law and its enforcement at the provincial level	VFA in collaboration with WHO	Vietnam	Ongoing
Supporting development of Decrees on (i) the division of the responsibilities among the ministries involved in food safety; and on (ii) food testing, GM food, food labelling, food with supplemented micro-nutrients, formulated food for young children, and functional food	WHO	Vietnam	Ongoing
Reviewing and revising National Food Safety Emergency Response Plan (FSER) as appropriate	WHO	Vietnam	Planned follow up to regional meeting
Country capacity building in foodborne disease burden estimation, policy situation analysis and research utilisation.	WHO	Country in which pilot burden of foodborne disease study will take place (still to be selected)	Development of training modules

ANNEX 3

EUROPE

REGIONAL/NATIONAL EVENTS

Activity (Workshop/Seminar/Training Course)	Organizers	Dates	Venue
National food safety workshop in Tajikistan	WHO EURO, WHO HQ, WHO Tajikistan	16-17 June 2009	Dushanbe, Tajikistan
Workshop on the Coordination of SPS Measures in South-East European countries	FAO/CLDP (Commercial Law Development Program) of the United States Department of Commerce	16-19 September 2009	Sofia, Bulgaria
Regional expert meeting: "Livestock based Geographical Indication chains as an entry point to maintain agro-biodiversity"	FAO Regional office for Europe and Central Asia	20-21 October 2009	Budapest, Hungary
National training course on HACCP	WHO EURO	1-15 March 2010	Tirana, Albania
Food safety assessment system and technical assistance to national Codex Committee	FAO/WHO	20 February – 4 March 2010	Report presented to Government of Tajikistan
Raising Understanding and Consistent Application of Risk Analysis Framework at Country Level targeting Armenia, Azerbaijan, Belarus, Georgia, Moldova Russian Federation, Ukraine	FAO Regional office for Europe and Central Asia	16–18 March 2010	Kiev, Ukraine
Support to the National University of Life and Environmental Sciences of Ukraine to assess the feasibility of establishing a training centre for food analysis	FAO	Ongoing April – July 2010	Ukraine
GFN Training course for Russia, Kazakhstan, Tajikistan and Uzbekistan	WHO EURO, WHO HQ, US CDC, CRIE Russia	31 May-4 June 2010	Moscow, Russia
National food safety workshop in Montenegro	WHO EURO	9-10 June 2010	Podgorica, Montenegro
Workshop on antimicrobial resistance in a food safety perspective, for Croatia, Romania and Serbia	WHO EURO	27-28 May 2010	Belgrade, Serbia
Technical meeting for FSU countries "Food safety standards: adaptation and harmonization in transition countries.	FAO	September 2010	Kiev, Ukraine
Pre-Codex FAO/WHO workshop planned prior to CCEURO	FAO/WHO	October 2010	Poland
WHO/FAO Regional workshop on food safety for the Central Asian Republics	WHO EURO/FAO	November 2010	Tashkent, Uzbekistan

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
Assessment of GI products potential by study on the "Advantages, constraints, and key success factors of establishing quality signs linked to the origin and traditions in Albania: the case of typical origin-based products"	FAO	Albania	Ongoing
Strengthening food control institutions	WHO EURO funded by Italian cooperation	Albania	Commenced early 2009
Project of FAO/EC on capacity building in food composition	FAO/EC	Armenia and Georgia	Ongoing
Food safety capacity building – strengthening national capacity for strategic planning and coordination of food control activities, to ensure 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.
FAO technical assistance has been requested by government to 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	Belarus	Project formulated
Capacity building of regulatory agencies for handling and monitoring genetically modified crops, products and processed foods (TCP/CRO/3102)	FAO	Croatia	Ongoing
Development of the 2 nd Action Plan for Food and Nutrition Policy for the WHO European Region 2007-2012	WHO EURO		Follow-up activities in regard to implementation at national level
Implementation of activities on national food safety strategies	WHO EURO	Kazakhstan Uzbekistan Armenia SEE countries Tajikistan	Ongoing
With the support of a project preparation grant from the STDF Facility, a project formulation mission has been undertaken to Moldova and a draft project in under discussion " Strengthening the food control system to support the emerging food business sector"	FAO	Moldova	Project formulated
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
FAO technical assistance has been requested to strengthen national food control capacity through provision of training and direct advice in Tajikistan. A project formulation mission has been completed.	FAO	Tajikistan	Ongoing

Title	FAO/WHO	Country	Status
Policy and capacity development of food safety, animal and plant health laboratories	FAO/TCP	Turkey	Ongoing
Minimizing the risk to Marmara sea posed by harmful algal blooms TCP/TUR/3201	FAO	Turkey	Ongoing
Assessment of GI potential and its realization in support of Rural Development in Ukraine	TCP/UKR/3201 (D)	Ukraine	Ongoing
Country capacity building in foodborne disease burden estimation, policy situation analysis and research utilization.	WHO	Country in which the pilot burden of foodborne disease study will take place (still to be selected)	Development of training modules

ANNEX 4

LATIN AMERICA AND THE CARIBBEAN

REGIONAL/NATIONAL EVENTS

Activity (Workshop/Seminar/Training Course)	Organizers	Dates	Venue
1 st Latin American Feed Regulators Meeting . The meeting provided to Latin American feed regulators and representatives of the feed industry an opportunity to exchange information on feed safety and engage in commonly developed projects addressing the need of harmonization of legislation at regional level.	FAO, in collaboration with the Latin American Feed Manufactures Association (FeedLatina)	20 April 2010	Regional
Regional electronic course on "Hygienic Food Handling I". The course provided tools on hygienic food handling practices to ensure food safety and reviewed the basic codes of hygiene. 41 participants from all LAC countries	FAO	20 April – 14 June 2009	Regional
Course on the "The Codex Alimentarius Standard Setting Process" for general food processors	FAO, in collaboration with the Ministry of Agriculture	June 2009	Santo Domingo, Dominican Republic
National workshop on Good Hygiene Practices Training for Food Handlers	FAO	21–22 June 2009	Haiti
Andean Regional Workshop on "Risk-Based Food Inspection Systems". The aim of this workshop was to provide food inspectors with practical guidelines for risk-based inspections with a modern approach and assess and identify needs of Inspection Systems in the Andean Region	FAO in collaboration with General Direction of Environmental Health of Peru (DIGESA)	24–26 June 2009	Lima, Peru
National Workshop on Food Safety Risk Analysis for regulators dealing with food control and food production throughout the food chain.	FAO	25-27 June 2009	Havana, Cuba
Seminar on "Food Safety Agencies: Strategies and Case Studies": More than 180 participants had the opportunity to learn from the successful experiences and good practices of the Irish and the Spanish Food Safety Agencies.	FAO in collaboration with the Chilean Agency for Food Safety (ACHIPIA)	28–29 July 2009	Santiago, Chile
Regional workshop on "Genetically modified food safety assessment". More than 30 delegates from 15 countries in the region. Main objective launching of FAO Manual "GM food safety assessment: tools for trainers" (Spanish version), enhancing the food safety and risk assessment systems with a scientific basis to determine the advantages and possible risk of GM food.	FAO in collaboration with ILSI Argentina	2-3 September 2009	Buenos Aires, Argentina
Regional electronic course "Food Safety Control Systems", 207 participants from governments, businesses and institutions involved in food control.	FAO	14 September – 16 December 2009	Regional

Activity (Workshop/Seminar/Training Course)	Organizers	Dates	Venue
Second Latin-American Seminar: "Quality linked to geographical origin and traditions: implementation of schemes to support rural development"	FAO, IICA, Universidad Nacional de Costa Rica, Consejo Nacional de Producción (CNP), Registro Nacional, Ministerio de Comercio Exterior (COMEX), Unidad Regional de Asistencia Técnica (RUTA)	29 September - 1 October 2009	San José, Costa Rica
GFN national advanced workshop for Brazil	WHO GFN and partners	October 2009	Brazil
International Seminar on Food Safety Systems: "Discussing a modern food safety system in the context of new challenges"	FAO in collaboration with The Brazilian Health Surveillance Agency (ANVISA)	16 October 2009	Brasilia, Brazil
GFN international advanced workshop for Antigua and Barbuda, Bahamas, Barbados, Belize, Dominica, Grenada, Guyana, Jamaica, Saint Lucia, Suriname, Trinidad and Tobago and Turks and Caicos Islands.	WHO GFN and partners	23-26 November 2009	Bridgetown, Barbados
Seminar on Impact of Mycotoxins in Food Safety and Food Trade. More than 80 representatives from Ministries of Agriculture and Health, universities and research centres in Argentina, Brazil, Chile, Italy and USA.	FAO in collaboration with the Ministry of Agriculture	24–25 November 2009	Santiago, Chile
Seminar for industry and final workshop of project "Fortalecimiento de la competitividad del sector agroalimentario" (TCP/RLA/3102). Presentation of project result and organization of SINIA (National Food Safety System)	FAO	30 November – 5 December 2009	Santo Domingo, Dominican Republic
Regional Workshop on "Identificación de debilidades, estrategias y proyectos pilotos para promover la investigación sobre aspectos críticos de bioseguridad en los países del MERCOSUR ampliado". More than 30 participants s from 5 countries (TCP/RLA/3109), authorities and scientists	FAO	17–18 March 2010	Buenos Aires, Argentina
Regional electronic course on "Risk Analysis for Food Safety" for professionals working in public institutions to protect consumer health based on documents published by FAO and the Codex Alimentarius relating to risk analysis. 60 participants from all LAC countries	FAO	26 April – 25 June 2010	Regional
Regional electronic course on "Hygienic Food Handling II", with 55 participants from all countries in LAC	FAO	14 September – 30 October 2010	Regional
Regional electronic course on "Hygienic Food Handling III", with 48 participants from all countries in LAC	FAO	26 April – 13 June 2010	Regional

Activity (Workshop/Seminar/Training Course)	Organizers	Dates	Venue
Regional Workshop on "Identificación de debilidades, estrategias y proyectos pilotos para promover la investigación sobre aspectos críticos de bioseguridad en los países del MERCOSUR ampliado". More than 30 delegates from 5 countries (TCP/RLA/3109), authorities and scientist participated in the event	FAO	17– 8 March 2010	Buenos Aires, Argentina
Regional coordination workshop for TCP/RLA/3213 "Assistance in designing and/or strengthening food safety policies in LA".	FAO	7 - 8 April 2010	Santiago, Chile
National Seminar on "Food Safety Risk Analysis". TCP/URU/3103	FAO	1-3 December 2009	Montevideo, Uruguay
Regional seminar on Applying risk analysis to food contaminant control and the Codex Alimentarius standard setting process at Congreso Latinoamericano de contaminantes y micotoxicología y Symposium internacional de toxinas	FAO / UNAM	27 June - 1 July 2010	Mérida, Mexico
Regional Forum on Food Security and Food Quality and Safety Policies: case studies of successful integration	FAO/IALCSH	10–11 June 2010	Santiago, Chile

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.
Regional project for "Assistance in designing and/or strengthening food safety policies in LA". (TCP/RLA/3213)	FAO	Argentina, Chile, Cuba, Costa Rica, Dominican Republic, Ecuador, El Salvador, Honduras, Nicaragua, Panama, Paraguay, Peru, and Uruguay.	Ongoing
Regional Project on "Food quality associated with the origin and traditions in Latin America" (TCP/RLA/3211)	FAO	Argentina, Brazil, Chile, Costa Rica, Ecuador and Peru	Ongoing
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
Train-the-Trainer course on the Five Keys to Safer Food	WHO/US FDA	Belize	2009
Regional project on "Development of relevant technical tools for the management of biosecurity in the MERCOSUR countries expanded". (TCP/RLA/3109)	FAO	Argentina, Bolivia, Brazil, Chile, Paraguay and Uruguay	Ongoing
Technical assistance to implement 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
Adaptation, validation and adoption of the WHO's Five Keys to Safer Food in primary schools.	WHO/AMRO	Municipality of Duque de Caxias, Brazil	Ongoing
Project on quality linked to geographical origin, TCP/RLA/3211	FAO	Brazil, Chile, Costa Rica, Argentina, Peru, Ecuador	Ongoing
Training course in food safety risk analysis for food inspectors of the Food Safety Regulatory Agency in Brazil (ANVISA)	WHO/PAHO	Brazil	Ongoing
Capacity building in risk analysis for national health authorities (TCP/CHI/3201)	FAO	Chile	Ongoing
Burden of illness study for foodborne diseases in Chile	WHO/PAHO, PHAC, U Guelph	Chile	Ongoing

Title	FAO/WHO	Country	Status
Technical assistance to new food safety agencies	FAO	Chile, Dominican Republic and Panama	Ongoing
Training GMP, HACCP, Auditing food inspectors in Colombian Food Safety Authority (INVIMA)	WHO/PAHO	Colombia	Completed November 2009
Pilot project for the implementation of integrated surveillance in antimicrobial resistance	WHO, PAHO	Colombia	Ongoing
Optimization of the Agro-Industrial Chain for Spirulina for human consumption (TCP/CUB/3013)	FAO	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 competitiveness of the agri-food sector (TCP/DOM/3102)	FAO/TCP	Dominican Republic	Completed
HACCP for Food Inspectors' Certification	FAO	Dominican Republic	Completed
Training facilitator from the Consumer Association on food safety, food security and nutrition	FAO	Dominican Republic	Ongoing
Implementing a Quality Assurance System in the Dairy Reference Laboratory (TCP/DOM/3201)	FAO	Dominican Republic	Completed
Strengthening of Food analysis capacity: Creation of national network of food analysis laboratories – linked to the Inter-American Food Analysis Laboratories (INFAL/RILAA)	WHO/AMRO	Dominican Republic	Ongoing
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, Argentina, Uruguay	Ongoing
Technical assistance to the nutmeg industry	FAO	Grenada	Ongoing
Harmonization of the Central American Countries Food Code.	WHO/PAHO, OIRSA	Guatemala, Honduras, El Salvador, Nicaragua, Costa Rica, Panamá, Dominican Republic	Ongoing, final document under discussion at national levels.
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	Ongoing
Assessment of capacity and support to national food control system FNOP/INT/NOR 102	FAO	El Salvador, Haiti	Recently concluded
Strengthen bio security framework and policy national case studies TNOP/INT/NOR 103	FAO	Guatemala and Honduras	Recently concluded
"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 catches.	FAO/Common Fund for Commodities (CFC)	Honduras, Mexico, Cuba	Ongoing
Prevention of OTA in coffee	FAO	Nicaragua	In formulation

Title	FAO/WHO	Country	Status
Modernization of the Phytosanitary System – Extension to food safety and animal health components (TCP/PAN/3003)	FAO	Panama	Recently concluded
Strengthening of Foodborne Diseases Surveillance Systems	WHO/PAHO	Peru, Bolivia	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
Burden of illness studies for foodborne diseases in the Caribbean	WHO/PAHO, PHAC	St. Lucia, Grenada, Jamaica, Trinidad & Tobago, Dominica	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	Subregional	Ongoing project evaluation
Support to national agricultural health and food safety: Technical assistance to strengthen the formation of the national agricultural health and food safety - TCP/3201/RLC	FAO	Trinidad and Tobago	Recently concluded.
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 food safety standards in fish and fishery products and to develop a Fisheries Management Plan	FAO	Trinidad and Tobago	Ongoing
Strengthening agri-food chain suppliers to national food and nutrition programmes, with emphasis on those directed to primary schools.	FAO	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
Country capacity building in foodborne disease burden estimation, policy situation analysis and research utilization.	WHO	Country in which pilot burden of foodborne disease study will take place (still to be selected)	Development of training modules

ANNEX 5

NEAR EAST/EASTERN MEDITERRANEAN

REGIONAL/NATIONAL EVENTS

Activity (Workshop/Seminar/Training Course)	Organizers	Dates	Venue
GFN training course for United Arab Emirates	WHO/CDC GFN and partners	28 February - 2 March 2010	Dubai, United Arab Emirates
Sudan First International Food Safety Conference	FAO, NCC, Sudanese Standards and Metrology Organization	21-22 March 2010	Sudan
FAO/WHO Regional Training Workshop on "Harmonization, equivalence and risk analysis in the elaboration and use of codex standards"	Codex Trust Fund, FAO, WHO, Regional Codex Coordinator	24-28 May 2010	Tunisia

PROJECTS/DIRECT ASSISTANCE

Title	FAO/WHO	Country	Status
Promotion of advocacy and communication of five keys for safer food and 3 fives in food safety	WHO/EMRO	Afghanistan	Partially implemented
Implementation of national policy, strategy and plan of action for food and nutrition	WHO/EMRO and partners	Afghanistan	Partially implemented
In-depth assessment of food safety conducted and national strategy of food safety developed and documented;	WHO/EMRO	Afghanistan	Partially implemented
Improvement of Food Microbiology Laboratory Services in food and water borne parasites investigation	WHO/EMRO	Bahrain	Implemented
Capacity building in food control strategy	WHO/EMRO	Bahrain	Implemented
Comprehensive quality assurance application and accreditation of Food Microbiological Laboratory	WHO/EMRO	Bahrain	Implemented
Food surveillance system in zoonotic and non-zoonotic food borne diseases strengthened	WHO/EMRO	Djibouti	Partially implemented
Developed national food safety strategy and a plan of action	WHO/EMRO	Egypt	Implemented
Increased public awareness on food safety	WHO/EMRO	Egypt	Implemented
Development of 5 healthy markets in BDN areas	WHO/EMRO	Egypt	Implemented
Modified existing rules and regulations on food safety	WHO/EMRO	Iraq	Implemented
Food management system established in food industries	WHO/EMRO	Iraq	

Title	FAO/WHO	Country	Status
Food safety standards, guidelines and training manuals produced and disseminated to food inspectors	WHO/EMRO	Jordan	Implemented
Standardized guidelines developed	WHO/EMRO	Jordan	Implemented
Food surveillance system in zoonotic and non-zoonotic food borne diseases strengthened	WHO/EMRO	Jordan	Implemented
Strengthening capacity of food safety laboratory	WHO/EMRO	Kuwait	Implemented
Strengthening the national Codex Committee and harmonizing food standards and regulations	FAO/TCP	Lebanon	Formulation ended
Food safety strategy reviewed and updated	WHO/EMRO	Libya	Partially implemented
Food safety network established	WHO/EMRO	Libya	Implemented
Food quality assurance procedures in place and functioning	WHO/EMRO	Libya	Implemented
Awareness material produced based on 5 keys for safer food, 3 fives and healthy market places	WHO/EMRO	Morocco	Implemented
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	Achieved (Dec. 2009)
Technical cooperation to support implementation of the origin based and quality signs institutional framework – TCP/MOR/3104	FAO	Morocco	Ongoing
Strengthened capacity in advocacy and awareness generating activities	WHO/EMRO	Morocco	Ongoing
Sentinel sites established for surveillance of non-zoonotic diseases caused by 5 major bacteriological pathogens	WHO/EMRO	Oman	Implemented
Food safety systems in hospitals (HACCP) initiated in all secondary and tertiary care facilities	WHO/EMRO	Oman	Implemented
Food safety management system document developed for Small and Medium size Food Enterprises	WHO/EMRO	Pakistan	Implemented
Strengthening of food analysis (quality and safety)	WHO/EMRO	Pakistan	Implemented
Capacity enhanced for food safety and quality control system	WHO/EMRO	Pakistan	Implemented
Training course on Codex standards for food safety personnel conducted	WHO/EMRO	Pakistan	Implemented
Training conducted in food and chemical safety for staff of the Environmental Health Department	WHO/EMRO	Palestine Occupied Territory	Implemented
Capacity of MoH and partners in food safety and risk assessment	WHO/EMRO	Palestine Occupied Territory	Implemented
Field staff capacity development in food safety	WHO/EMRO	Saudi Arabia	Implemented
Public Health Laboratory established	WHO/EMRO	Somalia	Partially implemented
Promotion of advocacy and communication of five keys for safer food or 3 fives in food safety	WHO/EMRO	Somalia	Partially implemented
Awareness material produced based on 5 keys for safer food, 3 fives and healthy market places	WHO/EMRO	Somalia	Partially implemented
Food surveillance system in zoonotic and non-zoonotic food borne diseases strengthened	WHO/EMRO	Somalia	Partially implemented

Title	FAO/WHO	Country	Status
Promotion of advocacy and communication of five keys for safer food or 3 fives in food safety	WHO/EMRO	Sudan	Implemented
Strengthening of food inspection systems across institutions	WHO/EMRO	Sudan	Implemented
Strengthening capacity of food quality laboratory	WHO/EMRO	Sudan	Implemented
Awareness material produced based on 5 keys for safer food, 3 fives and healthy market places	WHO/EMRO	Syria	Implemented
Increased participation in Codex Alimentarius work at national, regional and international levels	WHO/EMRO	Tunisia	Implemented
Promotion of advocacy and communication of five keys for safer food or 3 fives in food safety	WHO/EMRO	Tunisia	Implemented
Normalization of traditional food in international standards	WHO/EMRO	Tunisia	Implemented
Strengthening of food borne disease surveillance	WHO/EMRO	Tunisia	Implemented
Strengthening of surveillance of food contact materials	WHO/EMRO	Tunisia	Implemented
Supported project on total diet studies	WHO/EMRO and partners	Tunisia	Ongoing
Train-the-Trainer course on the Five Keys to Safer Food	WHO/EMRO	Tunisia	Pilot-tested
Technical cooperation to support implementation of the origin based and quality signs institutional framework – TCP/TUN/3202	FAO	Tunisia	Ongoing
Surveillance system for food borne diseases established	WHO/EMRO	Yemen	Implemented
Food safety monitoring system enhanced	WHO/EMRO	Yemen	Implemented

ANNEX 6

NORTH AMERICA AND THE PACIFIC

REGIONAL/NATIONAL EVENTS

Activity (Workshop/Seminar/Training Course)	Organizers	Dates	Venue
Second Meeting of the Pacific Food Safety and Quality Legislation Expert Group (PFSQLE)	FAO-SAP/WHO	27-28 November 2009	Wellington, New Zealand
FAO/WHO training course on risk-based food inspection and certification in the Pacific	FAO-SAP/WHO	30 Nov-2 December 2009	Wellington, New Zealand
Pacific Food Summit on food security, food safety and nutrition calling on Pacific island countries and areas to enhance various aspects of food security including strengthening food control systems	FAO-SAP/GHI/PIFS/SPC/UNICEF/WHO	21-23 April 2010	Port Vila, Vanuatu
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/FAO-SAP/Pacific Islands Forum Secretariat	Various	14 Pacific Island countries
A practical guide to introducing food standards to promote health and trade for smaller island states has been prepared and is being reviewed and revised	WHO	Ongoing	N/A
Regulators from Fiji, PNG and Solomon Islands trained in food safety auditing with the purpose of enabling them to be accredited by the international personnel certification body RABQSA	WHO	Various	Australia

PROJECTS/DIRECT ASSISTANCE TO COUNTRIES

Title	FAO/WHO	Country	Status
Food safety regulations drafted	WHO	Cook Islands, Kiribati and Nauru	Ongoing
Technical support for national food summit	SPC/WHO	Cook Islands	Completed
Drafting food standards	WHO	Cook Islands	Ongoing
Technical support provided on food standards and imported food control	WHO	Federated States of Micronesia	Ongoing
Drafting food standards	WHO	Federated States of Micronesia	Ongoing
Technical support to prepare a proposal for a FAO TCP	WHO in collaboration with FAO-SAP	Federated States of Micronesia	Ongoing
Technical support for national food summit	SPC/WHO	Federated States of Micronesia	Completed
Review of food inspection services	FAO	Fiji	Ongoing
Food standards passed as a result of technical support	WHO	Fiji	June 2009
Technical support to review the competent authority and the effective enforcement of newly introduced food standards	WHO	Fiji	June 2010
Technical guidance on conducting microbiological risk assessments	WHO	Fiji	Ongoing

Title	FAO/WHO	Country	Status
The development of a national food safety emergency response plan for Fiji has been initiated.	WHO	Fiji	Ongoing
Technical support provided on Food Safety Act and food inspection processes	WHO in collaboration with FAO-SAP	Kiribati	Ongoing
Technical support for national food summit	WHO/UNICEF	Kiribati	Completed
Draft food safety regulations have been prepared for consideration of key stakeholders	WHO in collaboration with FAO-SAP	Republic of the Marshall Islands	Ongoing
Technical support provided to review existing regulations and guide future developments	WHO in collaboration with FAO-SAP	Nauru	Completed
Drafting of food standards and stakeholder discussions	WHO in collaboration with FAO-SAP	Nauru	Ongoing
Drafting food standards	WHO	Niue	Ongoing
The food import control system in Palau reviewed and an inter-agency working group has been established with the purpose of implementing a national plan of action on strengthening the food import control.	WHO in collaboration with FAO-SAP	Palau	Ongoing
Enhancement of food safety education based upon the Five Keys to Safer Food, including food safety education in schools	WHO	Pacific countries	Ongoing
Training on risk assessment	WHO	Papua New Guinea	Ongoing
A review of PNG standards to determine their consistency with Codex guidelines is being supported	WHO	Papua New Guinea	Ongoing
Drafting imported food control guidelines	FAO	Papua New Guinea	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/FAO-SAP/Pacific Islands Forum Secretariat	14 Pacific Island countries	Ongoing
Post-harvest research and capacity building in Samoa to improve shelf-life/packaging and product quality of breadfruit and papaya	FAO	Samoa	Ongoing
Technical assistance to develop a Meat Hygiene Legislation, including the Abattoir and Meat Supply Act and the Abattoir and Meat Inspection Regulations	FAO	Sa\$moa	Legislation drafted in early 2008, now under review by the MAF's Legal Counsel.
Technical support for national food summit	FAO/WHO	Samoa	Completed
A draft food safety Bill has been prepared and is being discussed with key stakeholders	WHO in collaboration with FAO-SAP	Samoa	Ongoing
Technical assistance provided to Solomon Islands to draft imported food control guidelines	WHO in collaboration with FAO-SAP	Solomon Islands	Ongoing
Technical assistance provided to Solomon Islands to draft food standards consistent with Codex and harmonized with Fiji's food standards.	WHO in collaboration with FAO-SAP	Solomon Islands	Ongoing
Technical assistance to Solomon Islands to draft, finalise and launch a national integrated food security, food safety and nutrition policy	FAO-SAP/WHO	Solomon Islands	Policy launched in April 2010
Technical support was provided to strengthen national food import control system	WHO	Tuvalu	Completed

Title	FAO/WHO	Country	Status
Food standards under development	WHO	Tuvalu	Ongoing
Technical support for national food summit	FAO/GHI/PIFS/ SPC/UNICEF/WHO	Vanuatu	Completed
The Vanuatu Food Control Regulations (2007) and the food import inspection systems were reviewed and technical advice on necessary amendments provided.	WHO	Vanuatu	Completed
Country capacity building in foodborne disease burden estimation, policy situation analysis and research utilisation.	WHO	Country in which the pilot burden of foodborne disease study will take place (still to be selected)	Development of training modules
Enhancement of food safety education based upon the Five Keys to Safer Food, including food safety education in schools	WHO	Pacific countries	Inspection system review completed in Oct 2009, follow up capacity building scheduled for May 2010
Training on risk assessment	WHO	Papua New Guinea	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/FAO- SAP/Pacific Islands Forum Secretariat	14 Pacific Island countries	Ongoing

ANNEX 7

FAO/WHO CAPACITY DEVELOPMENT PUBLICATIONS AND TOOLS (reference)

- PAHO/WHO published a manual in Portuguese to train in food safety risk analysis entitled "Perspectiva sobre a análise de risco na segurança dos alimentos"
- "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 the "Animal Production and Health Manual: Good Practices for the Feed Industry", available online in English and Spanish, to assist with compliance and the practical implementation of the Codex Code of Practice for Good Animal Feeding (CAC/RCP 54-2004).
- The FAO/WHO e-learning training course "Enhancing participation in Codex activities is available on CD-ROM in English, French and Spanish. The training course is accessible in English and Spanish through the FAO and WHO websites (http://www.fao.org/ag/agn/agns/capacity_elearning_codex_en.asp).
- FAO, together with WHO and ICD, 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 Russian version of the FAO/AGNS face to face training materials is now available and may be obtained from http://www.fao.org/ag/agn/agns/capacity_elearning_codex_en.asp. The training materials are available to all and especially useful to trainers working to strengthen the effectiveness of the national Codex programme in their country. The materials include Trainers' Notes along with a set of presentation slides, student notes, class activities and supporting reference materials. Implementation of training activities using the training materials should strengthen stakeholder dialogue and raise awareness on Codex at national level.
- 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.
- 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.
- The Spanish version of the FAO/AGNS video on Sampling for Mycotoxins "Procedimientos de muestreo para la determinación de micotoxinas en los alimentos y las raciones animales" is now available and may be obtained from http://www.fao.org/ag/agn/agns/news_an.asp.
- 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".
- 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 a 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 developed a practical manual for producers and exporters from Asia – Regulations, standards and certification for agricultural exports. The publication is available in English, Thai, Vietnamese, Mandarin, Bahasa, Myanmar, Farsi, Hindi, Lao, Urdu, Tegulu and Bengali.
 - FAO published in English and French the guide: "Linking People, Products and Places; a guide for promoting quality linked to geographical origin and sustainable GIs". The Spanish version will be available soon.
 - FAO is publishing case studies on quality linked to geographical origin in Asia, in English, as a follow up of the regional seminar on this matter that took place in Bangkok, Thailand, June 2009.
 - FAO published a guide for the development of specific quality scheme linked to geographical origin, at the local level, June 2009, in collaboration with the research network SinerGI (EU funded project), and in the framework of the French funded project GCP/INT/FRA/022.
 - FAO/AGN, in collaboration with several food safety consultants, prepared a paper on the Implications of Climate Change and Bioenergy for the FAO High Level Conference on World Food Security: The Challenges of Climate Change and Bioenergy which took place at FAO headquarters in Rome, 3-5 June 2008. The paper is available at the following web address: http://www.fao.org/ag/agn/agns/files/HLC_1_Climate_Change_and_Food_Safety.pdf.
 - "Good hygienic practices in the preparation and sale of street foods in Africa - Tools for training" has been published in French and English.
 - "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. The Russian version of the manual will be available shortly.
 - 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: http://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.
 - FAO published a book on food labelling this year in collaboration with Woodhead publishers (UK). The book includes chapters on international legal considerations, Codex, nutrition labelling, allergies and food labels, environmental and social labels, organic food labels, ecolabelling and wild fisheries, geographic origin and identification labels and labelling of genetically modified/engineered foods.
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