

## **Livestock Development: Ensuring Food Safety, Consumer Safety and Food Security**

### **A Animal Disease Monitoring System**

<b>Actions</b>	<b>Milestones</b>	<b>Accountable</b>	<b>Resources</b>	<b>Comments</b>
1. Training of staff of the diagnostic laboratory	Staff trained by the third quarter of 2009	Director Department of Animal Production and Health	FAO	Building of the labfacility currently under construction funded by the Ministry of Agriculture

### **B Veterinary Health System**

<b>Actions</b>	<b>Milestones</b>	<b>Accountable</b>	<b>Resources</b>	<b>Comments</b>
1. Training of new Animal Health Assistants	Fourth quarter 2009	Director Department of Animal Production and Health	FAO	

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### C. Biosafety

Actions	Milestones	Accountable	Resources	Comments
1. Development of an awareness- and training programme bio-safety and bio-security	Third quarter of 2008	Director Department of Animal Production and Health	FAO	

### D. Livestock Feed

Actions	Milestones	Accountable	Resources	Comments
1. Development of legislation for the livestock feed quality	Fourth quarter 2009	Director Department of Animal Production and Health	FAO	Development of legislation and a strategy for high-quality animal feed production
2. Design of a livestock feed quality laboratory	Fourth quarter 2009	Director Department of Animal Production and Health	FAO	preferably to be incorporated in an existing laboratory facility

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## E. Pig production

Actions	Milestones	Accountable	Resources	Comments
1. Development of the Pig production sector	Fourth quarter 2009	Director Department of Animal Production and Health	FAO	A candidiacyletter of a mr. Bifeng Zhong is already been send to the ministry, which also has been approved

## **Horticulture Development: Increasing Competitiveness by Compliance with SPS, Regional and International Standards and Agreements**

### **A.: Agriculture health and food safety**

	Major Action	Action Steps	Milestones (indicative)	Accountable	Resources	Comments
1	Technical support for review of and upgrading of existing legislation and its integration in a National Food Safety and Consumer Safety Legislative Framework and the Establishment of a Food Control System.. <i>(Increasing Sanitary and Phyto-Sanitary Standards (SPS) and other International Standards for compliance and implementation in the overall livestock industry and crops)</i>	<ol style="list-style-type: none"> <li>1. Assessment of the existing situation,</li> <li>2. Needs assessment</li> <li>3. formulation of project proposal including TORs</li> <li>4. Request FAO TCP</li> </ol>	<p>April 2008 April 2008</p> <p>June 2008</p> <p>July 2008</p>	<p>Director Department of Agricultural Research and Agro- industry</p> <p>Permanent Secretary</p>	<p>FAO</p> <p>FAO</p>	<p>*Legal experts familiar with SPS and Codex Standards and Codes of Practices, *Food safety experts familiar with SPS &amp; Codex Standards and Codes of Practices for the livestock and plant industry</p>
2	Training of staff of the residue laboratory	<ol style="list-style-type: none"> <li>1. FAO to support with formulation and implementation of food safety awareness campaign for producers, traders importers, consumers strategy.</li> </ol>	<p>April 2008</p> <p>Oct 2008 laboratory</p>	<p>Director Department of Agricultural Research and Agro- industry</p>	<p>FAO</p>	<p>*Building residuelab currently under dutch funds - Technical Assistance to include advisory technical services to improve food safety</p>

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		<p>2. Recruitment of staff.</p> <p>3. Hands-on training (on the job training)and study tour for laboratory staff</p>	<p>furnished with equipment Aug 2008 recruitment of staff</p> <p>Nov 2008 Staff trained</p>	<p>Permanent Secretary</p> <p>FAO</p> <p>Permanent Secretary MOA</p> <p>FAO</p> <p>FAO</p>		<p>and management, - Technical Advisory services for identification and advice on laboratory equipment and staffing requirement - Technical assistance for training/capacity building of laboratory staff and others in use of lab equipment and application of legislation. *Recruitment of staff by the MOA. *Procurement of equipment not covered FAO technical support. *Some ASP funding available to the MOA for procurement of laboratory equipment.</p>
<b>3</b>	Upgrade quality of produce in compliance with international standards	<p>1. Assessment of existing situation and conduct of needs assessment.</p> <p>2. Formulation project proposal and TOR for</p>	<p>April 2008 April 2008</p> <p>Juni 2008</p>	<p>Director Department of Agricultural Research</p>	FAO	<p>*Report of FAO expert presented and discussed in public-private sector stakeholders</p>

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<b>4</b>	Producers and traders operating in compliance with GAP (Technical support on food safety, food quality and good agricultural practices for compliance with Sanitary and Phyto-Sanitary Standards [SPS) and other Regional and International Standards and Agreements)	3. Submit request for technical assistance to FAO	Juli 2008	and Agro-industry  Permanent Secretary	FAO	consultation for comment and finalization.  * Technical Assistance: Expert in technical audit and GAP certification for compliance with standards.
<b>5</b>	Increasing Competitiveness through crop (commodity) diversification and export markets. (Assistance on marketing and market access, demand, and development of the commodity chain [agri-business development] with focus on export markets.)	1. MOA submits request for technical assistance to FAO	April 2008 Request for assistance submitted to FAO July 2008 commence of regional & International market and marketing research /study	Director Department of Agricultural Research and Agro-industry  Permanent Secretary  FAO		

## **FISHERIES Development: Ensuring Food Security by Sustainable Utilization of Marine and Environmental Resources and Consumer Food Safety**

### **A. CONTROL- AND MONITORINGS AUTHORITY ON THE VALUECHAIN**

<b>Actions</b>	<b>Milestones</b>	<b>Accountable</b>	<b>Resources</b>	<b>Comments</b>
1. Bench marking of the National Fisheries Inspection Institute (Authority) Laboratory facilities (Vis Keurings Instituut - VKI)	Oct 2008	The Director of the Fisheries Inspection Institute (Authority) VKI	FAO	*Technical Assistance: Advisory Services. Expert with international experience and know-how in the establishment of laboratory facilities, provision of consultative services in sanitation, laboratory analysis, and training, in-plant quality assurance and product inspection and certification for food safety.
2. Certification of the National Fisheries Inspection Institute (Authority) Laboratory facilities (Vis Keurings Instituut - VKI)	Oct 2008	The Director of the Fisheries Inspection Institute (Authority) VKI	FAO	* Formulation of project proposal/TOR for an expert (s) in assessment of laboratory standards for inspection and certification of fisheries products in compliance with SPS and other international food safety and quality standards. Certification of the laboratory
3. Training: Continue capacity building and upgrading of staff capacity in the laboratory techniques and	Oct 2008	The Director of the Fisheries Inspection Institute (Authority) VKI	FAO	* Conduct hands-on training for VKI staff and others in specialized laboratory techniques

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**B. Stock Assessment & Sea Floor Study**

Actions	Milestones	Accountable	Resources	Comments
1. Assistance in the review of the previous fisheries management plan and support analysis of data		The Director Department of Fisheries	FAO	* Conduct a review of the feasibility of the current stock assessment system for management decision making and make recommendations for effective stock assessment and improvement in monitoring fishery stocks. Expertise required: Marine biologist(s) and others)

**C. Aquaculture sector: Increasing Food Security through Sustainable Use Environmental Resources for Aquaculture Development**

Actions	Milestones	Accountable	Resources	Comments
1. Design the establishment of a pilot and research facility for aquaculture fisheries (Tilapia) and provide technical support towards its establishment, and training of staff for its management	August 2008	Head, Aquaculture Unit, Department of Fisheries	FAO	* Expert in design and supervision of a pilot aquaculture fisheries and research station. * Expert in shrimp and fish hatchery and to conduct training of staff and formulation of a programme for training of farmers and entrepreneurs in aquaculture fisheries

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				*Funds for construction of the facility available from the ASP Fund and procurement of equipment not included in the technical assistance from FAO
2. Implementation of the project for the establishment of the pilot and research facility as recommended by the FAO experts. 3. Provision of necessary technical backstopping and operational support in the initial phase of the pilot plant 4. Review and updating of the aquaculture Master Plan and formulation of a legislative and policy framework and strategies, including incentives to foster investment to foster investments in export aquaculture.	Nov 2009   2008	Head, Aquaculture Unit, Department of Fisheries	FAO   FAO	Funds for construction of the facility available from the ASP Fund and procurement of equipment not included in the technical assistance from FAO   * technical, policy and legal experts aquaculture/fisheries
5. Training of staff in the Department of Fisheries to manage the pilot aquaculture facility	March 2009	Head, Aquaculture Unit, Department of Fisheries	FAO	* Provision of hands-on training for staff and preparation of technical guides for establishment of aquaculture farms for farmers and interested entrepreneurs. Training of interested stakeholders in aquaculture production and management

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**D. Multi Annual Research programme**

Actions	Milestones	Accountable	Resources	Comments
<ol style="list-style-type: none"> <li>1. Provision of technical assistance in provision of upgrading capacity of staff of the Department of Fisheries.</li> <li>2. Assistance in training need assessment and conduct training in areas identified</li> </ol>	2009	The Director, Department of Fisheries	FAO	* Based on the training needs assessment the specialized training programmes will be formulated for implementation

## CAPACITY BUILDING: Institutional Strengthening and Information Management for Sustainable Development

### A. PROJECT CYCLE MANAGEMENT

Actions	Milestones	Accountable	Resources	Comments
1. Training in project cycle management including conduct of a needs assessment and implement training.	Nov 2008	Department of Planning & Development, Ministry of LVV	FAO	* Strengthening the capacity in policy formulation, analysis, strategic planning and management, monitoring and evaluation could be undertaken by FAO in collaboration with the Anton de Kom University of Suriname
2. Establishment of an electronic (computer based) project management Data Base and Information to support policy decision making and agricultural planning	March 2009	The Permanent Secretary, Ministry of LVV	FAO	* Review the current information systems and Data-Bases in the Ministry and their suitability and recommend an adequate and manageable system
3. Training in communication methodologies and techniques for improved service delivery to stakeholders a. Revitalization and	Feb 2009	Division of Public Relations & Human Resources, Ministry of LVV	FAO	* Technical advisory services in the assessment of communication methodologies , techniques and tools and recommendation for

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strengthening of the agricultural communication unit				enhanced service delivery
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## B. EXTENSION

<b>Actions</b>	<b>Milestones</b>	<b>Accountable</b>	<b>Resources</b>	<b>Comments</b>
1. Establishment of a Programme to strengthen extension capacities in the Ministry of Agriculture and support the development of farmer/community based organizations. 2. Support the establishment of efficient farmers communication mechanisms to promote competitive sustainable agriculture.	2008	The Director, Agricultural Education and Extension Services, Ministry of LVV	FAO	
3. Training of extension officers to understand and promote commodity chain development (agri-business development) among farmers and farmer groups.	2008	The Director, Agricultural Education and Extension Services, Ministry of LVV	FAO	
4. Develop policies and strategies for productivity enhancement measures including incentives, adoption of modern technology/techniques, GAP compliance, mechanization, skills training, rural credit, technical support, etc. along the commodity chain to enhance competitive production,	2008	The Director, Agricultural Education and Extension Services, Ministry of LVV	FAO	

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productivity and increased income				
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## C. GENDER

Actions	Milestones	Accountable	Resources	Comments
<p>1. Development and execute a Programme in Gender Mainstreaming for staff of the Ministry of LVV to sensitize, understand and appreciate gender main streaming in general and for social and agricultural policy development,.</p> <p>2. Develop and execute for staff involved in all aspect of policy and development intermediate level training in gender analysis and design of gender main streaming strategies, tools for gender mainstreaming, gender budgeting , gender monitoring, impact assessment of gender based policies and strategies, sex-disaggregation data analysis in agriculture planning</p>	2009	Gender Focal Point Ministry of LVV	FAO/ESWD	* Technical Advisory Services could be a collaborative effort of FAO with UNIFEM, UNICEF, UNDP, ILO, etc. Collaboration with the Anton de Kom University of Suriname should be explored.
<p>3. Technical assistance for the formulation of a project proposal to facilitate the establishment of effective gender mainstreaming in the Ministry of LVV</p>	2009	Gender Focal Point Ministry of LVV	FAO/ESWD	* Expert for the formulation of a project proposal