

SAFE FOOD FAIR FOOD

in the Livestock & Fish value chain



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giz



Research
Program on
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and Health

ILRI
INTERNATIONAL
LIVESTOCK RESEARCH
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starting point in April 2012

- Fish value chains of interest to CRP Livestock & Fish were originally Egypt and Uganda
- WorldFish as the CG partner had not yet established a base and work plan in Uganda; the decision was due in the 4th quarter of 2012
- In the meantime SFFF participated in the tools development for a rapid fish value chain assessment in Egypt for later implementation in Uganda
- In December 2012 WorldFish announced shifting of activities from Uganda to Bangladesh

Mission in October 2012

- 27th September to 12th October 2013: WorldFish facilitated a mission trip to Egypt for four scientists in SFFF from West Africa who had been trained in participatory risk analysis under the capacity building component of the previous phase (2008-2011) and with expertise on fish.
- The tools have been developed during a small mission in Egypt in Cairo and Abbassa (WorldFish field center), where the mission discussed with key staff, stakeholders and partners the design of the tool and the field work required to pilot it.
- They were finalized and implemented by the team from WorldFish, RVC and Kafr-el-Sheikh university with funding from ACIAR.

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- During the mission, 31 of the 52 (mostly convenient) samples were analysed at QCAP lab for residues of heavy metals and pesticides.
- The results (very low contamination) is not representative but good indicator and will be validated through the results of a representative sample which is currently being analysed.

follow up visit in February 2013



- Lessons learnt (there were many)
- Reflection of framework
- Update on progress
- Next steps
- Site visits



progress

- Fish farm (n=100) finished, all samples in the Lab for analysis and data from 70 farms have been entered the data base.
- Transporters done (n=20)
- consumers survey in 3 sites (n=100) each has been finished
- Tracing back retailers in the 3 sites is going on, about 70% finished and samples under analysis in the microbiology lab
- 4 PRA producers conducted

biological hazards under investigation

- Aerobic plate counts
- E. coli*
- Listeria monocytogenes*
- Salmonella* spp.
- Vibrio parahaemolyticus*
- Staphylococcus aureus*
- Heavy metals: mercury, cadmium, lead, arsenic
(atomic absorption spectrometry)
- Pesticides: QuEChERS (p,p-DDE and Chlorpyrifos)

Next steps

- Final report expected for May 2013
 - Systematic literature review
 - Integrated assessment of food safety and nutrition

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