

SF18 BREAKOUT SESSIONS SESSION OUTLINE

Managing the roles of livestock and fish in sustainable food systems

1. Session day and time

1400-1700h, Thursday, 11th October

2. Session organizers

Livestock CRP, Fish CRP and FAO

3. Session overview

Overall objective and expected outputs

The purpose of the breakout session is to build on the plenary papers and panel discussions to discuss how best to be aware of and optimise the animal-related synergies and trade-offs that may affect the contribution of livestock and fish towards achieving the SDGs.

Problem: We naturally focus on the major perceived benefit to be achieved through a given research effort in support of smallholder intensification, but are generally aware of potential win-wins and trade-offs with other objectives. The nature of animal research-for-development is particularly complicated in this way given the multiple roles that livestock and fish can play in contributing both positively and negatively to the SDGs. Can the CGIAR better address and capture this complexity within its research agenda going forward?

The focus of this session is therefore on research issues related to these synergies and trade-offs that might get missed in conventional siloed research, identifying criteria for prioritizing among them and suggesting some key indicators. It will also consider implications for the science-policy interface. Results will contribute to developing research themes and frameworks within the CGIAR.

4. Session organization

The session will be organised with (i) lead speakers to introduce the session; (ii) short commentary by invited key participants; (iii) an audience-participation exercise to socialize the concepts (iv) four working groups; and (v) a short feedback session from each working group.

(14:00-14:10) Mike Phillips, WorldFish/FISH, will lead off to introduce the objectives and flow of the session

(14:10-14:25) Tim Robinson, FAO, will provide structure using the FAO sustainable livestock framework as an organizing theme for four working groups.

(14:25-15:00) Tom Randolph, LIVESTOCK, will lead an exercise to highlight the complexity of animal roles vis-à-vis the SDGs. The FAO framework will be represented by 8 endpoints positioned around the room defining 4 axes:

- Strong positive vs negative/weak poverty reduction and economic growth
- Strong positive improved human nutrition and food security vs negative/weak
- Strong positive health and animal welfare vs negative/weak
- Strong positive environmental effects/ecoservices vs negative/weak

The research focus is to improve animal nutrition-related productivity through more and better feed so that livestock production can respond to rising demand, i.e. human nutrition and food security.

What is an important secondary effect of increasing the quantity and quality of feed – either positive or negative? Do not include the primary food security/nutrition benefit.

A speaker positioned at each endpoint will do a 2-minute lightning talk of how a type of research will contribute the outcome they represent. The example will be feed research (and possibly AMR if there is time).

The participants are then asked to go to the endpoint that they consider to be the most significant synergy/trade-off. 1-2 participants at each endpoint will then be asked their reasoning and how the CGIAR could better address it.

The point is that our usual focus largely ignores these other outcomes, and in livestock development they all tend to be interlinked and so cannot be ignored.

Two participants will be invited for 2 minute feedback related to donor concerns and ISPC perspectives prior to breaking into the working groups-

Instructions for the working groups will be repeated.

(15:00-15:20) Coffee - assuming it can be arranged this early

(15:20-16:30) Working groups will be convened, broadly focussed on the following priority themes:

- **Food and nutrition security:** sustainable diets/ overconsumption/meat debate vs nutritional benefits; continued bias for staple crops appropriate?
- **Livelihoods and economic growth:** emphasizing strategies for inclusive poverty reduction (focus on resilience, backyard systems) versus focusing on the successful commercial sector that has the assets needed to increase productivity
- **Health and animal welfare:** AMR, food safety and animal welfare– how to incorporate One Health perspective:
- **Climate and natural resource use:** this will focus on feed

Each working group will be tasked to consider the following questions. A facilitator and rapporteur should be identified, with the rapporteur ready to make a short report back to the session. Using the ISPC "building blocks" document as a guideline, the following questions could be considered. The groups can use the FAO table to inventory synergies and trade-offs, and then a table that summarizes key research issues, disciplines and partners, and key indicators, plus a slide on prioritization criteria.

1. Research design:

- What are the main synergies/trade offs related to smallholder intensification in this priority theme – use table from FAO presentation
- What are the synergies/trade offs with other themes related to smallholder intensification? – use table from FAO presentation
- What do these trade offs imply in terms of priority research questions that need to be addressed? What disciplines and partners would the CGIAR need to involve

2. Prioritization:

- How do we prioritize among these research issues? What criteria should be used to prioritize research activities?

3. Monitoring progress:

- What are the key indicators that would help the CGIAR monitor progress in a global research agenda on these topics?

4. Demonstrating impact and respond to our clients:

- How should the research approach and results be communicated to different groups?

(16:30-17:00) Reporting back

Other notes/references

With respect to fish, there are two further FAO documents which are good for this Session:

- Strengthening Sector Policies for Better Food Security and Nutrition Results Policy Guidance Note1: Fisheries and Aquaculture (2017). <http://www.fao.org/3/i6227e/i6227E.pdf>
- HLPE, 2014. Sustainable fisheries and aquaculture for food security and nutrition. A report by the High Level Panel of Experts on Food Security and Nutrition of the Committee on World Food Security, Rome 2014. <http://www.fao.org/3/a-i3844e.pdf>

Also:

- Van Wyck et al.'s case study: Smallholder farmers, food security, and livelihoods: exploring trade offs and synergies using farm household characterization data. This paper analyzes RHOMUS data and speaks nicely to monitoring interactions at the household level.
- Wieland et al., Case Study: Trade-offs related to agricultural use of antimicrobials and synergies emanating from efforts to mitigate antimicrobial resistance

