AgMIP and ZimCLIFS in Zimbabwe

The Agricultural Model Intercomparison and Improvement Project (AgMIP) is a major international collaborative effort to improve the state of agricultural simulation and to understand climate impacts on the agricultural sector at global and regional scales, with funds from UKAID and USDA.

Within AgMIP the Crop Livestock Intensification (AgMIP CLIP, 2013-2017) project's primary purpose is to re-design smallholder crop-livestock systems in semi-arid South-Eastern Africa (Zimbabwe, Malawi, Mozambique) to address poverty and enhance resilience to climate change. Pathways for sustainable futures were codesigned with stakeholders, which identified that Business as Usual Pathways to intensify agricultural production are insufficient to improving smallholder livelihoods. The team explored adaptation packages tailored to farm types, a change from the predominant blanket recommendation ideology.

Three primary objectives comprised the AgMIP-CLIP initiatives: engage stakeholders, assess impacts of climate change on farming system components, and develop and explore croppathways. livestock reconfiguration These objectives were achieved by improving communication and capacity development through multi-stakeholder dialogue, through advancing crop and livestock components, as well as further analyzing diversity of farming systems.

In Zimbabwe, the AgMIP South Eastern Africa Regional Team held a workshop on 25th – 26th October 2016 workshop titled "Future scenarios to inform decision making processes: National Representative Agricultural Pathways (RAPs) for Zimbabwe" at the ICRISAT Bulawayo office in Zimbabwe. The team is conducting research that aims at understanding climate change impacts on agriculture and prioritizing effective adaptation strategies. The project on integrating Crops and Livestock for Improved Food Security and Livelihoods in rural Zimbabwe (ZimCLIFS, 2013-2017) has the overall goal to develop ways to increase agricultural production, improve household food security, alleviate poverty and thereby reduce food-aid dependency in rural Zimbabwe through better integration of crop-livestock production and market participation. The International Livestock Research Institute (ILRI), in partnership with the International Maize and Wheat Improvement Center (CIMMYT), the International Crops Research Institute for the Semi-Arid Tropics Commonwealth Scientific (ICRISAT), and Industrial Organisation Research (CSIRO), Queensland Alliance for Agriculture and Food Innovation (QAAFI) - in partnership with Queensland's Government's Department of Employment, Economic Development and Innovation (DEEDI), is engaging in this project, funded by the Australian Centre for International Agricultural Research (ACIAR).

For further information and additional reading on these initiatives, please see links below. Kindly direct any feedback you may have to <u>s.homann@cgiar.org</u>

http://www.agmip.org/blog/2016/11/11/rapsand-scenarios-workshop-in-zimbabwe/ http://www.agmip.org/about/ http://www.agmip.org/research/researchregions/south-eastern-africa/ https://www.agmip.org/blog/2017/09/12/videostakeholder-research-collaboration-in-southeastern-africa/ http://news.trust.org//item/20151214144138-670zi/ http://www.icrisat.org/seamless-crop-livestockintegration-in-drought-prone-zimbabwe/

4 Farmer testimonials and interview https://youtu.be/fb1mfS_dk0c https://youtu.be/KAp41-9xQw0 https://youtu.be/M6rAGtllYeY https://youtu.be/WAMzEAXILsU https://youtu.be/ujTwgkQPAT0

