CHAPTER V

CONCLUSION

It is evident throughout the research that food insecurity has been a lingering issue in Ethiopia. The state has seen notable progress in building its national food security yet hunger is still prevalent. With the expansion of actors and issues in international politics, FAO becomes a relevant actor to be involved in Ethiopia with its capabilities to provide solution for food and agriculture issue. This leads to the research question of, "What are FAO's efforts to tackle food insecurity in Ethiopia from 2016 to 2019?" Throughout this research, it can be concluded that FAO's efforts can be divided into two categories: improving food production and productivity, and improving livelihoods resilience.

This research sees that the persisting food insecurity in Ethiopia is rooted in three causes: deteriorating food production capacity, population growth and poverty, and conflicts. As a landlocked state with no effective access towards the sea, Ethiopians rely on its agricultural production, livestock production, and trade to meet their diet intake. Factors such as human-induced climate change that affects precipitation rate, unproductive livestock and land degradation contribute to the deterioration of food production capacity.

This issue is sharpened by high population growth in Ethiopia and poverty that still prevails among the people – forcing Ethiopians to produce more food with inadequate capacity while at the same time, having no economy access towards food in markets. In addition to that, conflicts that occasionally break out

in Ethiopia forced the people to migrate to other regions that already struggle with food insecurity. Ethiopians face food insecurity and the influx of people only causes food crisis as food supply no longer sustain the needs of everyone in the region.

Several attempts have been made by the GoE to tackle the issue of food insecurity by providing safety net like PSNP; encouraging household assets through HABP; education on nutrition and food aids in NNP. These programs, without doubt, had improved the household food security of several Ethiopian families. Even then the programs had their flaws and were not enough to alleviate food insecurity completely from Ethiopia.

Following the tenets of neoliberalism, the situation of anarchy does not prevent the interaction between FAO and Ethiopia to occur. Bound by its identity of being established to achieve a collective goal, this creates a link for FAO and Ethiopia to engage with each other. With complex interdependency that transcends the traditional state to state relation through transnational relation, FAO's efforts are carried out to achieve food security by addressing multiple dimensions of food security. This includes the involvement of FAO in political, social and economical aspect of Ethiopia while engaging with several ministries and the GoE.

In the process of carrying out efforts to tackle food insecurity, FAO also functions as an actor. This means FAO can act on its own decision while identifying itself as a corporate body, advocating policies and affecting the decision of states with its diplomatic skills. The signing of CPF 2016-2020

signifies FAO's stand as an actor and this agreement gives FAO the leverage of developing Ethiopia's food security after active participation and coordination with the GoE. Guided by the CPF, FAO's efforts are based on the three priority areas agreed by both parties: crop, livestock, and natural resource management.

Priority area 1 sees the improvement in crop production, productivity, and commercialization of crop production. In this priority area, FAO has implemented programmes like Capacity Development for Agricultural Innovation System, Reducing Food Losses through Improved Postharvest Management and Joint Programme on Rural Women's Economy Empowerment. FAO had introduced climate-smart agriculture practice, metal silos to improve food storage, providing networks for agribusiness and raising awareness on women's participation in food security by providing access to production tools. The outputs of these programmes lead to the uptake of sustainable agricultural practice, adequate technologies for agriculture and broadening participation in household food security. Overall, the programmes in this priority area addressed two of three root causes in Ethiopia, deterioration of food production capacity and poverty.

Priority area 2 on the other hand, is rather similar to the first priority except it addresses the livestock and fisheries sector. The efforts carried out in this priority area includes supporting the implementation of the GHSA through One Health approach in Ethiopia, developing national capacities to control Tsetse and animal African trypanosomiasis (AAT), promoting better quality and practice of livestock feed, and conceiving Blue Growth (BG) Strategy for the Development of Fisheries and Aquaculture in Eastern Africa within the Blue Growth Initiative.

The efforts in the livestock and fisheries sector can be concluded as improving livestock health to ensure production and productivity, along with introducing aquaculture as a solution to food security. Only the outputs from promoting better quality and practice of livestock feed are related to the deterioration of food production capacity and poverty, as it increases the production and quality of ASF. The rest of the efforts produced a systematic and comprehensive framework and surveillance system on livestock and fisheries.

The last priority area focuses on natural resources management and improving livelihood resilience to threats and crises. This priority area sees the implementation and support for programmes like REDD+, Information for Nutrition, Food Security and Resilience for Decision Making, and the last but not least, Action Against Desertification. In this priority area, FAO actively conducts training along with assessments for data needed to address and understand the issue of degradation and resilience in Ethiopia – as well as solutions that can be procured from the information gathered.

The implementation of these programmes resulted in improved assessment of forest degradation, biodiversity protection, strengthening government's policy on early action and resilience for disaster situations, and increasing awareness on land degradation, desertification, and restoration. REDD+ and Action Against Desertification are solutions to deteriorating food production capacity as both seek to restore soil quality, while Information for Nutrition, Food Security and Resilience for Decision Making is not related to any root causes of food insecurity.

Concluding all these elaborations, it is apparent that all FAO's efforts during the ongoing CPF period can be categorized into two: those that directly tackle the root causes of persisting food insecurity and those that address the current situation of Ethiopia's food insecurity but are not root causes. While most cases in Ethiopia can be related to the root causes, looking from the food security dimensions perspective, it can be observed how complex food security is and how it creates a layer outside the root causes. This can be seen on how Ethiopians can produce food but the community does not have adequate technologies to maintain food quality and quantity. At the end of the day, both are food insecure. This is precisely what FAO focused on through its activities in providing workshops, technologies, and networks to improve production capacity.

BIBLIOGRAPHY

BOOKS

- Archer, Clive. *International Organizations Third Editions*. London: Routledge, 2001.
- Caballero-Anthony, Mely. "Understanding Non-Traditional Security." In *An Introduction to Non-Traditional Security Studies: A Transnational Approach*, edited by Mely Caballero-Anthony. London: SAGE Publications Ltd, 2016.
- Creswell, John W. Research Design: Qualitative, Quantitative, and Mixed Method Approaches. California: SAGE Publications, Inc., 2009.
- Daddow, Oliver. *International Relations Theory*. London: SAGE Publications Ltd, 2009.
- FANTA Project and WFP. Food Assistance Programming in the Context of HIV. Washington, DC: FANTA Project, 2007.
- Jackson, Robert and Georg Sørensen. *Introduction to International Relations:*Theories and Approaches. United Kingdom: Oxford University Press, 2013.
- Karns, Margaret P., Karen A. Mingst, and Kendall W. Stiles. *International Organizations: The Politics & Processes of Global Governance*. Colorado: Lynne Rienner Publishers, Inc., 2015.

JOURNAL ARTICLES

Abbink, Jon. "Insecure Food: Diet, Eating, and Identity among the Ethiopian Suri People in the Developmental Age." *African Study Monographs* 38, no. 3 (2017): 119-145. https://doi.org/10.14989/227070.

- Ayalew, Henok, Amare Birhanu and Biruhtesfa Asrade. "Review on food safety system: Ethiopian perspective." *African Journal of Food Science* 7, no. 12 (2013): 431-40. DOI: 10.5897/AJFS2013.1064
- Ayana, Zelalem, Zelalem Taressa Abera and Moti Yohannis. "Food-Borne Diseases in Ethiopia," *Academic Journal of Nutrition* 4, no. 1 (2015): 62-76. DOI: 10.5829/idosi.ajn.2015.4.1.95168
- Bakala, Fayera. "Food Insecurity in Ethiopia." *Food Science and Quality Management* 52 (2016): 35-40. Accessed on March 8, 2019, https://www.iiste.org/Journals/index.php/FSQM/article/viewFile/31009/31 841.
- Barnes, William. "Food Security in the Contemporary World: Making Security Sustainable." *Journal of International Affairs* 1 (2014). http://www.inquiriesjournal.com/articles/1083/food-security-in-the-contemporary-world-making-security-sustainable.

 Baye, Temesgen Gebeyehu. "Poverty, peasantry and agriculture in Ethiopia." *Annals of Agrarian Science* 15, no. 3 (2017), 420-430, https://doi.org/10.1016/j.aasci.2017.04.002.
- Bezabih, Afework Mulugeta, Mekonnen Haileselassie Wereta, Znabu Hadush Kahsay, Zewditu Getahun and Alessandra N. Bazzano. "Demand and Supply Side Barriers that Limit the Uptake of Nutrition Services among Pregnant Women from Rural Ethiopia: An Explanatory Qualitative Study." *Nutrients* 10, no. 11 (2018). https://doi.org/10.3390/nu10111687.
- Birhane, Tesfay, Solomon Shiferaw, Seigu Hagos, and Katia Sarla Mohindra. "Urban food insecurity in the context of high food prices: a community based cross sectional study in Addis Ababa, Ethiopia." *BMC Public Health* 14, no. 680 (2014). https://doi.org/10.1186/1471-2458-14-680.
- Boke, Moges Muluneh and Alehegn Bishaw Geremew, "Low dietary diversity and associated factors among lactating mothers in Angecha districts, Southern Ethiopia: community based cross-sectional study." *BMC*

- Research Notes 11, no. 892 (2018). https://doi.org/10.1186/s13104-018-4001-6.
- Evaghorou, Evaghoras L. and Nikolas G. Mertzanidis. "Balance of Power versus Complex Interdependence." *Central European Journal of International and Securities Studies* 6, no. 3-4 (2012): 104-121. http://www.cejiss.org/static/data/uploaded/13835989548714/Article%2006_2.pdf.
- Gatiso, Tsegaye T. "Households' dependence on community forest and their contribution to participatory forest management: evidence from rural Ethiopia." *Environment, Development and Sustainability* 21 (2019): 181-197. https://doi.org/10.1007/s10668-017-0029-3.
- Hart, TGB. "Exploring definitions of food insecurity and vulnerability: time to refocus assessments." *Agrekon: Agricultural Economics Research, Policy and Practice in Southern Africa* 48, no. 4 (2009): 362-83. https://doi.org/10.1080/03031853.2009.9523832.
- Hirpo, Lemma Abera. "Fisheries production system scenario in Ethiopia." *International Journal of Fisheries and Aquatic Studies* 5, no. 1 (2017): 79-84. http://www.fisheriesjournal.com/archives/2017/vol5issue1/PartB/4-6-70-896.pdf.
- Hopkins, Raymond F. "Reform in the international food aid regime: the role of consensual knowledge." International Organization 46, no. 1 (1992): 225-264. DOI: 10.1017/S0020818300001491.
- Keohane, Robert and Joseph Nye. "Power and Interdependence revisited."

 *International Organization 41, no. 4 (1987): 737-738.

 *DOI:10.1017/s0020818300027661
- Makkar, Harinder, Emily Addonizio, and Lemma Gizachew. "Characterization of feeding systems in Ethiopia with a focus on dry areas." *Broadening Horizon* 51 (2018): 1-9. https://www.researchgate.net/publication/329357957_Characterization_of _feeding_systems_in_Ethiopia_with_a_focus_on_dry_areas.

- Mota, Adimasu Awoke, Senbetie Toma Lachore, and Yoseph Halala Handiso, "Assessment of food insecurity and its determinants in the rural households in Damot Gale Woreda, Wolaita zone, southern Ethiopia."

 **Agriculture & Food Security 8, no. 11 (2019).

 https://doi.org/10.1186/s40066-019-0254-0.
- Mulema, Annet A., Wellington Jogo, Elias Damtew, Kindu Mekonnen, and Peter Thorne. "Women farmers' participation in the agricultural research process: implications for agricultural sustainability in Ethiopia."

 International Journal of Agricultural Sustainability (2019): 127-145. DOI: 10.1080/14735903.2019.1569578
- Ramakhrisna, G. and Assefa Demeke, "An Empirical Analysis of Food Insecurity in Ethiopia: The Case of North Wello." *Africa Development / Afrique et Développement* 27, no. 1/2 (2002): 127-143. https://www.jstor.org/stable/43658058?read-now=1&seq=1#metadata_info_tab_contents.
- Rana, Waheeda. "Theory of Complex Interdependence: A Comparative Analysis of Realist and Neoliberal Thoughts." *International Journal of Business and Social Science* 6, no. 2 (2015): 292. https://ijbssnet.com/journals/Vol_6_No_2_February_2015/33.pdf.
- Seleshe, Semeneh, Cheorun Jo, and Mooha Lee. "Meat Consumption Culture in Ethiopia." *Korean Journal for Food Science of Animal Resources* 34, no. 1 (2013): 7-13. DOI: 10.5851/kosfa.2014.34.1.7
- Simelton, Elisabeth, Claire H. Quinn, Philip Antwi-Agyei, Nnyaladzi Batisani, Andrew J. Dougill, Jen Dyer, Evan D.G. Fraser, David Mkwambisi, Staffan Rosell, Susannah Sallu, and Lindsay C. Stringer. "African farmers' perceptions of erratic rainfall." *Centre for Climate Change Economics and Policy, Sustainability Research Institute*. October 2011. http://www.see.leeds.ac.uk/fileadmin/Documents/research/sri/workingpapers/SRIPs-27.pdf.

- Tesfaye, Wondimagegn and Nyasha Tirivayi. "The impacts of postharvest storage innovations on food security and welfare in Ethiopia." *Food Policy* 75 (2018): 52-67. DOI: 10.1016/j.foodpol.2018.01.004
- Trupa, Aiga, Elita Aplocina, Lilija Degola. "Forage quality and feed intake effect on methane emissions from dairy farming." *Engineering for Rural Development* 14 (2015): 601-605. http://www.tf.llu.lv/conference/proceedings2015/Papers/098_Trupa.pdf.
- Welay, Getachew Mebrahtu, Dawit Gebremichael Tedla, Gebreyohans Gebru Teklu, Shishay Kahsay Weldearegay, Mearg Belay Shibeshi, Haftom Hadush Kidane, Berhe Beyene Gebrezgiabher, and Teklehaymanot Huluf Abraha."A preliminary survey of major diseases of ruminants and management practices in Western Tigray provice, northern Ethiopia."

 BMC Veterinary** Research** 14, no. 293 (2018).
 https://doi.org/10.1186/s12917-018-1621-y.
- Wolfers, Arnold. "National Security" as an Ambigious Symbol." *Political Science Quaterly* 64, no. 4 (1952). DOI: 10.2307/2145138.
- Workicho, Abdulhalik, Tefera Belachew, Garumma Tolu Feyissa, Beyene Wondafrash, Carl Lachat, Roosmarijn Verstraeten, and Patrick Kolsteren. "Household dietary diversity and Animal Source Food consumption in Ethiopia: evidence from the 2011 Welfare Monitoring Survey." *BMC Public Health* 16, no. 1192 (2016). https://doi.org/10.1186/s12889-016-3861-8.
- Wurwarg, Jessica. "Urbanization and Hunger: Food Policies and Programs, Responding to Urbanization, and Benefiting the Urban Poor in Three Cities." *Journal of International Affairs* 67, no. 2, (2014): 75-90. https://www.jstor.org/stable/24461736?read-now=1&refreqid=excelsior%3A000ce8e5fa55ad56984301058afd1f8f&seq =6#page_scan_tab_contents.

REPORTS AND DOCUMENTS

- "2012 Food Aid Flows." *WFP*. December 2013. https://documents.wfp.org/stellent/groups/public/documents/newsroom/wf p262299.pdf?_ga=2.240087429.763806312.1570883509-37886868.1549206002.
- "Country Programming Framework for Ethiopia 2016 2020." *FAO*. 2017. http://www.fao.org/3/a-i7527e.pdf.
- "Draft Declaration of the World Summit on Food Security," *FAO*. Accessed on October 21, 2019. http://www.fao.org/fileadmin/templates/wsfs/Summit/Docs/Declaration/W SFS09_Draft_Declaration.pdf.
- "Ethiopia Country Programming Framework 2012-2015." *FAO*. December 2011. http://www.fao.org/3/an490e/an490e00.pdf.
- "Food and Agriculture Organization." *UNDP*. Accessed on September 28, 2019. https://www.undp.org/content/dam/unct/ethiopia/docs/UN%20agencies%2 Oprofile/FAO%20profile%20design.pdf.
- "Global Health Security Agenda GHSA." *United Nations Office at Geneva*.

 Accessed on November 27, 2019.

 https://www.unog.ch/80256EDD006B8954/(httpAssets)/539BAE5A654E

 832FC1257ED20048896A/\$file/Nikkari_GHSA_GHSA+side+event_8_11

 _2015.pdf.
- "Guide to the Formulation of the COUNTRY PROGRAMING FRAMEWORK (CPF)." *FAO*. July 22, 2015. http://www.fao.org/3/a-bb020e.pdf.
- "Multidimensional Poverty Index: developing countries." *UNDP*. Accessed on October 17, 2019. http://hdr.undp.org/sites/default/files/mpi_table_2019_final_0.xlsx.
- "National Human Development Report 2014 Ethiopia." *UNDP*. 2015. http://hdr.undp.org/sites/default/files/nhdr2015-ethiopia-en.pdf.
- "Policy & Learning Environment." *OHCEA News 2 no. 2* (January-March 2017). https://ohcea.org/images/news/letters/OHCEA_Newsletter_Jan_March_20 17.pdf.

- "Project Information Document/Integrated Safeguards Data Sheet (PID/ISDS)."

 World Bank. Last modified May 12, 2017.

 http://documents.worldbank.org/curated/en/885551495048631794/pdf/IT

 M00184-P163438-05-17-2017-1495048629171.pdf.
- "Regional overview of food insecurity: African food security prospects brighter that ever." *FAO*. 2015. http://www.fao.org/3/a-i4635e.pdf.
- "Regional Overview of Food Security and Nutrition in Africa 2017." *FAO*. 2017. http://www.fao.org/3/a-i7967e.pdf.
- "Strengthening Capacity for Agricultural Innovation in Ethiopia." *Issuu Inc.* July 26, 2018. https://issuu.com/icra3/docs/20170901_et_niches_flyer_en_highres.
- "World Population Prospects 2015 Data Booklet." *UN*. Accessed on October 4, 2019.

 https://population.un.org/wpp/Publications/Files/WPP2015_DataBooklet.p
- Bartley, Devin, Ana Menezes, Rebecca Metzner, and Yaw Ansah. *The FAO Blue Growth Initiative Strategy for the Development of Fisheries and Aquaculture in Eastern Africa*. Rome: FAO, 2018. http://www.fao.org/3/i8512en/I8512EN.pdf.
- Bekele, Melaku, Solomon Zewdie, Manuel Boissière, and Stibniati Atmadja.

 *REDD+ MRV implementation in Ethiopia: Review of the context,

 framework and progress. Bogor: CIFOR, 2018.
- Berhane, Guush, John Hoddinott, Neha Kumar, and Alemayehu Seyoum Taffesse.

 "The impact of Ethiopia's Productive Safety Nets and Household Asset
 Building Programme: 2006-2010." *The Institute of Development Studies*.

 December 30, 2011.

 https://www.ids.ac.uk/files/dmfile/Impact_Report_FINAL_JAN2012.pdf.
- CCAC, FAO, and NZARGC. Supporting Low Emissions Development in the Ethiopian Dairy Cattle Sector. Rome: FAO and NZARGC, 2017.

- Central Statistical Agency. "Ethiopia Mini Demographic and Health Survey."

 DKT International.* August 2014.

 https://www.dktethiopia.org/sites/default/files/PublicationFiles/Mini_DHS

 _2014__Final_Report.pdf.
- Chemonics International Inc. "Climate Variability and Change in Ethiopia: Summary of Findings." *USAID*. December 2015. https://www.usaid.gov/sites/default/files/documents/1866/12.22.15%20-%20ClimateVariabilityChange_Ethiopia_Dec2015%20%281%29.pdf.
- Cipeta, Mafa, Bezabih Emana, and Demese Chanyalew. "Ethiopia's Agriculture Sector Policy and Investment Framework (2010-2020) External Mid-term Review." October 2015. https://www.agri-learning-ethiopia.org/wp-content/uploads/2015/10/Agriculture-Policy-MTR_FINAL.pdf.
- Cochrane, Logan. "Agricultural intensification in Ethiopia: Review of recent research." *African Journal of Agricultural Research* 9, no. 31 (2014): 2377-2390. DOI: 10.5897/AJAR2014.8732
- Committee on World Food Security. "Thirty-ninth Session." *FAO*. September 2012. http://www.fao.org/3/MD776E/MD776E.pdf.
- Damiba, Emile André. "Final Evaluation of the Joint Programme "Food Security and Nutrition" in Ethiopia." *MGD Fund*. August 8, 2013. http://www.mdgfund.org/sites/default/files/Ethiopia%20-%20Nutrition%20-%20Final%20Evaluation%20Report_0.pdf.
- Devereux, Stephen, Rachel Sabates-Wheeler, Mulugeta Tefera Taye, Ricardo Sabates, and Feyera Sima. "Graduation from the Food Security Programme in Ethiopia: FAC Ethiopia Final Report." *Future Agriculture*. March 2014. https://assets.publishing.service.gov.uk/media/57a089d940f0b649740002c 8/FAC_Working_Paper_080.pdf.
- Ethiopia Central Statistical Agency and the World Bank. "Survey Report." *World Bank*. May 7, 2013. http://siteresources.worldbank.org/INTLSMS/Resources/3358986-

- 1233781970982/5800988-1367841456879/9170025-1367841502220/ERSS_Survey_Report.pdf.
- Ethiopia Ministry of Environment, Forest, and Climate Change. "National REDD+ Strategy (2018 2030)." *Forest Carbon Partnership*. June 2018. https://www.forestcarbonpartnership.org/system/files/documents/Ethiopia %20REDD%20Strategy_June%2025%20%202018_0.pdf.
- European Union Delegation to Ethiopia. "Assessing the root causes of recurring food insecurity in Ethiopia." May 18, 2016. https://europa.eu/capacity4dev/resilience_ethiopia/documents?sort=flag_c 4m_og_content_recommend_count&order=desc>erm%5B0%5D=2772 5>erm%5B1%5D=18009&items_per_page=50.
- FAO. Mid-term Evaluation of the Project "Capacity Development for Agricultural Innovation Systems" (CDAIS). Rome: FAO, 2017. http://www.fao.org/3/I8433EN/i8433en.pdf.
- Federal Ministry of Health Ethiopia. "National Nutrition Program." *moh.gov.et*. Accessed on October 20, 2019. http://www.moh.gov.et/ejcc/en/national-nutrition-program.
- Federal Ministry of Health Ethiopia. "National Nutrition Strategy." Accessed on October 20, 2019. http://iycn.wpengine.netdna-cdn.com/files/National-Nutrition-Strategy.pdf.
- GIZ. "Plantation forest inventory in SNNPR." *Zena BFP* 3 (May-June 2017). https://www.giz.de/de/downloads/giz2018_de_BFP_Information_Bulletin _May-June_2017.pdf.pdf.
- Government of Ethiopia. "National Nutrition Program 2016-2020." *EEAS EU*.

 Accessed on October 20, 2019.

 https://eeas.europa.eu/sites/eeas/files/nnp2_pdf.pdf.
- Government of Ethiopia. *National One Health Strategic Plan (2018-2022): Final Draft*. December 2017.
- IFAD, FAO, WFP, and UN Women. "The JP RWEE pathway to women's empowerment." *IFAD*. April 2017.

- https://www.ifad.org/documents/38714170/39148759/Five+years+of+the+AAF'S+technical+assistance+facility/de6fa0c4-1398-4b0c-acdc-c9e227d73439.
- II, B. L. Turner and Marina Fischer-Kowalski. "Ester Boserup: An interdisciplinary visionary relevant for sustainability." *Proceedings of the National Academy of Sciences of the United States of America* 107, no. 51 (2010): 21963-21965. https://doi.org/10.1073/pnas.1013972108.
- Mahmood, Omar. "Preserving the Essence, Adapting for Reach: Early Lessons from Large-Scale Implementations of the Graduation Approach Ethiopia Case Study." *Ford Foundation*. November 2016. https://www.fordfoundation.org/media/3168/pdf9-ethiopia_final.pdf.
- National Programme Coordinator JPRWEE. Accelerating Progress Toward the Economic Empowerment of Women" Annual Report Progress Reporting Period: 1 January-31 December 2017. December 21, 2017.
- ODI. "Global Hunger and Food Security after the World Food Summit." *odi.org*. March 6, 1997. https://www.odi.org/sites/odi.org.uk/files/odi-assets/publications-opinion-files/2630.pdf.
- Scialabba, Nadia El-Hage. "Food Availability and Natural Resource Use." FAO/OECD Expert Meeting, Paris, September 5 7, 2011. http://www.fao.org/fileadmin/user_upload/suistainability/Presentations/Availability.pdf.
- Tessema, Masresha, Tesfaye Hailu, Dilnesaw Zerfu, Adamu Belay, Tibebu Moges, Girmas Ayana, Desalegn Kuche, *et al.* "Evaluations of the dynamics of national nutrition program implementation in Ethiopia." In *Micronutrient Forum Global Conference, Addiss Ababa, June 2-6, 2014.* http://www.ephi.gov.et/images/mcn/Evaluation%20of%20the%20dynamic s%20of%20national.pdf.
- Tesso, Gutu. "Climate Change, Natural Disaster and Rural Poverty in Ethiopia."

 UN. Accessed on October 13, 2019.

 https://www.un.org/development/desa/dspd/wp-

- content/uploads/sites/22/2019/03/Climate-Change-Natural-Disaster-and-Rural-Poverty-in-Ethiopia-by-Gutu.pdf.
- The World Bank Group. "Ethiopia's Productive Safety Net Program (PSNP): Integrating Disaster And Climate Risk Management." World Bank. Accessed on October 20, 2019. http://documents.worldbank.org/curated/en/893931468321850632/pdf/806 220WP0P12680Box0379812B00PUBLIC0.pdf.
- UN OCHA. "Ethiopia: Oromia Somali Conflict-Induced Displacement."

 Humanitarian Response.** June 20, 2018.

 https://www.humanitarianresponse.info/sites/www.humanitarianresponse.i

 nfo/files/documents/files/ethiopia_
 _oromia_somali_conflict_induced_displacement_june_2018d.pdf.
- UN OCHA. "Ethiopia: West Guji Gedeo Conflict Displacement." *Relief Web*. June 29, 2018. https://reliefweb.int/report/ethiopia/ethiopia-west-guji-gedeo-conflict-displacement-flash-update-5-29-june-2018.
- UN Women Ethiopia Country Office. "Unlocking the Potential of Rural Women in Ethiopia: Key Results and Human Interest Stories." *UN Women.* 2017. https://www2.unwomen.org//media/field%20office%20africa/attachments/publications/2017/11/rural%
 20women%20publication%20ethiopia.pdf?la=en&vs=2807.
- United Nations Development Programme. *Human Development Report 1994*.

 New York: Oxford University Press, 1994.

 http://hdr.undp.org/sites/default/files/reports/255/hdr_1994_en_complete_
 nostats.pdf.
- USAID. "One Health Interventions: An Assessment of Outcomes." *DAI*. October 2018. https://assetify-dai.com/resource-library/pandr-one-health-interventions.pdf.
- WFP and Ethiopia Central Statistical Agency. "Comprehensive Food Security and Vulnerability Analysis (CFSVA)." WFP. 2019. https://docs.wfp.org/api/documents/WFP-0000106754/download/.

- Wouterse, Fleur and Alemayehu Seyoum Taffesse (editors). "Boosting Growth to End Hunger by 2025: The Role of Social Protection." *ReSAKSS Annual Trends and Outlook Report 2017-2018*. Washington, DC: IFPRI, 2018...
- WTO. Report on the Implementation of Article 66.2 of the TRIPS Agreement. Geneva: WTO, 2019.

WEBSITE

- "17.2D: Malthus' Theory of Population Growth." *LibreTexts*. Last modified June 6, 2019. https://socialsci.libretexts.org/Bookshelves/Sociology/Book%3A_Sociolog y_(Boundless)/17%3A_Population_and_Urbanization/17.2%3A_Population_Growth/17.2D%3A_Malthus'_Theory_of_Population_Growth.
- "About REDD+," *UN-REDD*, November 11, 2019, https://www.unredd.net/about/what-is-redd-plus.html.
- "Africa Population (LIVE)." *Worldometers.info*. Accessed on September 28, 2019. https://www.worldometers.info/world-population/africa-population/.
- "Agriculture and Food Security." *USAID*. Last modified December 11, 2019. https://www.usaid.gov/ethiopia/agriculture-and-food-security.
- "CDAIS Project Footprints in Ethiopia." *ICRA*. July 15, 2019. https://www.icra.global/news/cdais-project-footprints-in-ethiopia.
- "Chickpea." *EPOSPEAETH*. Accessed on November 14, 2019. http://www.epospeaeth.org/index.php/products/pulses/chickpea.
- "Climate change increasing poverty and vulnerability in Ethiopia." *Oxfam International*. April 22, 2010. https://www.oxfam.org/en/pressroom/pressreleases/2010-04-22/climate-change-increasing-poverty-and-vulnerability-ethiopia.
- "Communiqué Stakeholders' Consultative Workshop on Formulation of African Blue Economy Strategy." *AU-IBAR*. September 27, 2019. http://www.au-ibar.org/home/170-en/media/press-releases/au-ibar/1465-communique-

- stakeholders-consultative-workshop-on-formulation-of-african-blue-economy-strategy.
- "Constitution of the United Nations Food and Agriculture Organization (FAO)." *UIO The Faculty of Law.* Accessed on September 16, 2019. https://www.jus.uio.no/english/services/library/treaties/14/14-01/food-organization.xml.
- "Ethiopia drought 'leaves 10 million without food." *BBC*. December 8, 2015. https://www.bbc.com/news/world-africa-35038878.
- "Ethiopia Growth and Transformation Plan II (GTP II)." *Green Growth Knowledge Platform*. Accessed on November 11, 2019. https://www.greengrowthknowledge.org/national-documents/ethiopia-growth-and-transformation-plan-ii-gtp-ii.
- "Ethiopia, FAO revise controlling African animal Trypanosomosis strategy." *FAO*. September 20, 2019. http://www.fao.org/ethiopia/news/detailevents/en/c/1240712/.
- "Ethiopia: Two years of drought followed by floods challenge the pastoral way of life." *MSF*. June 27, 2016. https://www.msf.org/ethiopia-two-years-drought-followed-floods-challenge-pastoral-way-life.
- "Ethiopia." *CDAIS*. Accessed on November 12, 2019. https://cdais.net/home/pilots-countries/ethiopia/.
- "Ethiopia." *Global Hunger Index.* Accessed on March 8, 2019 https://www.globalhungerindex.org/ethiopia.html.
- "FAO in Africa." *FAO*. Accessed on September 16, 2019. http://www.fao.org/africa/about/en/.
- "FAO in Ethiopia." *FAO*. Accessed on February 3, 2019. http://www.fao.org/ethiopia/fao-in-ethiopia/en/.
- "Global Overview 2017: Building, changing, learning." *CDAIS*. Accessed on December 4, 2019. https://cdais.net/wp-content/uploads/2018/07/2017-CDAIS-Global-overview.pdf.

- "GOAL 1: ERADICATE EXTREME POVERTY & HUNGER." *UN.* Accessed on September 28, 2019. https://www.un.org/millenniumgoals/poverty.shtml.
- "HABP." *EIFTRI*. Accessed on October 20, 2019. http://eiftriethiopia.org/projects-2/habp/.
- "JP-RWEE." *GAAP2*. Accessed on November 12, 2019. https://gaap.ifpri.info/portfolio/africa-south-of-the-sahara/jp-rwee/.
- "Multi Donor Trust Fund for Ethiopia Productive Safety Net Programme." *EU*.

 Accessed on October 19, 2019.

 https://ec.europa.eu/europeaid/projects/multi-donor-trust-fund-ethiopia-productive-safety-net-programme_en.
- "Nutrition Food security." *WHORO*. Accessed on October 29, 2019. http://www.emro.who.int/nutrition/food-security/.
- "Pastoral Community Development Project II." *IFAD*. Accessed on October 15, 2019.

 https://www.ifad.org/en/web/operations/project/id/1100001458/country/et hiopia.
- "Press Conference on The Great Green Wall of the Sahara and the Sahel Initiative." AU. July 31, 2018. https://au.int/en/newsevents/20180731/press-conference-great-green-wall-sahara-and-sahel-initiative.
- "Prevalence of undernourishment (% of population) Ethiopia." *World Bank*.

 Accessed on September 28, 2019.

 https://data.worldbank.org/indicator/SN.ITK.DEFC.ZS?end=2017&locatio
 ns=ET&start=2000&view=chart.
- "Project Factsheet: Rural Women Economic Empowerment Ethiopia." *Multi-Partner Trust Fund Office*. Accessed on November 11, 2019. http://mptf.undp.org/factsheet/project/00092000.
- "Reducing Food Losses through Improved Postharvest Management in Ethiopia."

 SDC. Last modified June 7, 2018.

- https://www.eda.admin.ch/deza/en/home/activities-projects/projects.html/content/dezaprojects/SDC/en/2012/7F08500/phase2. html?oldPagePath.
- "The Blue Growth Initiative (BGI)." *UNFCCC*. December 1, 2015. https://unfccc.int/news/the-blue-growth-initiative-building-resilience-of-coastal-communities.
- "The Challenge of Hunger: Building Resilience to Achieve Food and Nutrition Security." *Global Hunger Index*. October 2013. https://www.globalhungerindex.org/pdf/en/2013.pdf.
- "The CDAIS Project." *CDAIS*. Accessed on November 12, 2019. https://cdais.net/home/about-us/.
- "The First Triangular Cooperation Project Agreement under the FAO-China SSC Programme Signed to Strengthen Aquaculture Value Chain in Ethiopia." *FAO*. June 27, 2019. http://www.fao.org/partnerships/south-south-cooperation/news/news-article/en/c/1200166/.
- "The UN System Organizations." *United Nations Global Marketplace*. Accessed on September 16, 2019. https://www.ungm.org/Shared/KnowledgeCenter/Pages/VBS_UNSystem.
- "Tropical Agriculture Platform." *Agrisource*. Accessed on November 14, 2019. https://www.agrisource.org/it/7_108/5c332f1907c805cd14cf52ba/Tropical %20Agriculture%20Platform.html.
- "What is meant by the term "sustainability"?" *FAO*. Accessed on September 27, 2019. http://www.fao.org/3/ai388e/AI388E05.htm.
- "World Food Summit." *FAO*. Accessed on September 28, 2019. http://www.fao.org/WFS/.
- Abdulkaldir, Birhan and Endalkachew Wolde-meskel. "Highlights of N2Africa-Ethiopia in 2018." *N2Africa*. Accessed on November 14, 2019. https://n2africa.org/highlights-n2africa-ethiopia-2018.

- ACP Group of States and EU. "Event Overview." *CTA.int*. Accessed on September 28, 2019. https://www.cta.int/en/event/fao-regional-conference-for-africa-sid02530dd0d-5f8e-4266-b5db-dcced232ca6a.
- Agriculture & Food Security Network. "Africa." *Shareweb*. Accessed on November 16, 2019. https://www.shareweb.ch/site/Agriculture-and-Food-Security/focus-areas-overview/post-harvest-management/sdc-post-harvest-projects/africa.
- Aid and International Development Forum. "Sweden increases its support for the economic empowerment of rural women." *Aidforum*. March 5, 2018. http://www.aidforum.org/topics/infrastructure/sweden-increases-its-support-for-the-economic-empowerment-of-rural-women/.
- Bhalla, Nita. "Conflict worsens Ethiopia's food crisis." *BBC*. July 10, 2002. http://news.bbc.co.uk/2/hi/africa/2120656.stm.
- Bryne, Jane. "FAO managing methane output in Ethiopian dairy sector." *Feed Navigator*. Last modified March 24, 2017. https://www.feednavigator.com/Article/2017/03/24/FAO-managing-methane-output-in-Ethiopian-dairy-sector.
- ETC Group. "Food and Agriculture: FAO, CGIAR, CFS." *ETC Group*. Accessed on September 24, 2019. https://www.etcgroup.org/international-fora/food-and-agriculture-fao-cgiar-cfs/.
- EU Commission. "Action Against Desertification." *EU*. Accessed on November 30, 2019. https://ec.europa.eu/europeaid/projects/action-against-desertification-c-and-p-component_en.
- EU Commission. "Information for Nutrition, Food Security and Resilience for Decision Making INFORMED." *EU*. Accessed on December 3, 2019, https://ec.europa.eu/europeaid/projects/information-nutrition-food-security-and-resilience-decision-making-informed_en.
- FAO in Ethiopia. "Call for Strengthened One Health Partnership in Ethiopia." *FAO*. November 2, 2017. http://www.fao.org/ethiopia/news/detailevents/en/c/1062300/.

- FAO in Ethiopia. "Ethiopia stages local community trainings on natural resources management in the drylands." *FAO*. July 19, 2017. http://www.fao.org/ethiopia/news/detail-events/en/c/1025981/.
- FAO. "Advancing evidence-based decision making for food security in Ethiopia." **Relief** Web. November 21, 2019. https://reliefweb.int/report/ethiopia/advancing-evidence-based-decision-making-food-security-ethiopia.
- FAO/Ethiopia. "Ethiopia evaluates its animal health surveillance system." *FAO*. May 4, 2018. http://www.fao.org/resilience/noticias-eventos/historia-detalle/es/c/1133304/.
- FAO/EU. "Ethiopia." *FAO*. Accessed on November 30, 2019. http://www.fao.org/in-action/action-against-desertification/countries/africa/ethiopia/en/.
- Fraanje, Walter and Samuel Lee-Gammage. "What is food security?" *Foodsource*. Last modified March 12, 2018. https://www.foodsource.org.uk/building-blocks/what-food-security.
- ILOSTAT. "Employment in agriculture (% of total employment) (modeled ILO estimate) Ethiopia." World Bank. Retrieved in September 2019. https://data.worldbank.org/indicator/SL.AGR.EMPL.ZS?locations=ET.
- Maasho, Aaron. "Flash floods displace nearly 120,000 in Ethiopia: aid agencies." *Reuters.* May 12, 2016. https://www.reuters.com/article/us-ethiopia-drought-floods-idUSKCN0Y22DH.
- National Geographic Society. "Oct 16, 1945 CE: Food and Agriculture Organization Founded." *National Geographic*. Last modified on December 17, 2013. https://www.nationalgeographic.org/thisday/oct16/food-and-agriculture-organization-founded/.
- Neves, David Das. "The food situation in Ethiopia is also a of great concern." *UNDP*. May 30, 2017.

- https://www.undp.org/content/undp/en/home/blog/2017/5/23/La-situation-alimentaire-en-Ethiopie-aussi-est-extr-mement-pr-occupante.html.
- OECD and FAO. "International Regulatory Co-operation and International Organisations: The Case of the Food and Agriculture Organization of the United Nations (FAO)." *OECD*. Accessed on September 16, 2019. https://www.oecd.org/gov/regulatory-policy/FAO_Full-Report.pdf.
- Plecher, H. "Ethiopia: Share of economic sectors in the gross domestic product (GDP) from 2007 to 2017." *Statista*. June 12, 2019. https://www.statista.com/statistics/455149/share-of-economic-sectors-in-the-gdp-in-ethiopia/.
- Sample, Drew, "NEW STUDY: Food markets near Ethiopia's poor provide too little diversity at too high a price for optimum child health." *IFPRI*. October 24, 2019. https://www.ifpri.org/news-release/new-study-food-markets-near-ethiopias-poor-provide-too-little-diversity-too-high-price.
- Solomon, Salem. "What's Driving Clashes Between Ethiopia's Somali, Oromia Regions?" *VOA News*. September 29, 2017. https://www.voanews.com/africa/whats-driving-clashes-betweenethiopias-somali-oromia-regions.
- World Bank Group, "Ethiopia Poverty Assessment 2014." *World Bank*. January 2015. http://hdl.handle.net/10986/21323.
- World Hunger Education Service. "2011 World Hunger and Poverty Facts and Statistics." *World Hunger*. Accessed on March 7, 2019, https://www.worldhunger.org/articles/Learn/old/world%20hunger%20fact s%202002in2011.htm.