Module 3 resources

Objective 3.1


Objective 3.2

3.4 Altieri, Miguel. “Who Will Feed us in a Planet in Crisis?” video, 46:49, posted by Schumacher College to YouTube on March 10, 2016. https://www.youtube.com/watch?v=TV2lG0qT91s


Module 3 resources: Towards Cooperative Co... https://learn.canvas.net/courses/2527/pages/mo...


Supplementary Resources

Objective 3.1


Fraser, Evan and Elizabeth Fraser. “Feeding Nine Billion” videos, 52 minutes in nine parts, posted by Evan Fraser to YouTube between November 7, 2012 and June 15, 2014. Illustrated by Scott Chandler. http://www.feedingninebillion.com This 9-part video series introduces the key issues and impacts of the current food system as well as emerging alternatives. It covers most major challenges and introduces pathways to solving them. Topics include commodification, GMOs, regulation issues, distribution, and the importance of local food and resilience. The videos explore climate adaptation, empowering small farmers in the developing world, soil regeneration, problems of predatory lending, corporate land grabs, and labour problems. Solid data with respect to food security explode myths associated with commonly advanced solutions.

Shiva, Vandana and Vaibhav Singh. “Health per Acre: Organic Solutions to Hunger and Malnutrition,” on Navdanya.org, accessed January 3, 2019. http://www.navdanya.org/attachments/Health%20Per%20Acre.pdf Detailed presentation of nutrition per acre (also called health per acre) as a measure versus yield per acre. This is critical research for justifying mobilizing away from industrial agriculture with its large land and toxic input requirements. This scientific paper demonstrates industrial agriculture yields significantly less nutrition per unit volume and per hectare than ecologically grown food.
Partovi, Ali. “Why is Organic Food so $#@! Expensive?? | Ali Partovi | TEDxManhattan,” video, 13:11, posted by TEDx Talks to YouTube on March 20, 2015. [https://www.youtube.com/watch?v=LS6TWtYWaPA](https://www.youtube.com/watch?v=LS6TWtYWaPA) This TEDx Talk by angel investor and food system change advocate Ali Partovi presents a fascinating, persuasive argument outlining the business, ecological, and system change case for organic food. He identifies the United States approach to agriculture as self-deceptive, a global laggard that is inefficient and short sighted.

Pollan, Michael. “Farmer in Chief,” New York Times Magazine, October 9, 2008. [http://www.nytimes.com/2008/10/12/magazine/12policy-t.html](http://www.nytimes.com/2008/10/12/magazine/12policy-t.html) Written as a memo to then newly-elected President Barack Obama, Pollan describes the assumptions of the current food system and its focus on cheap food. He examines negative impacts and describes how misdirected public policies are a big part of the problem. Options for transitioning to a food system in line with ecological, social, and economic common sense are set out—particularly the need to rebuild local and regional food systems.

Zengerle, Jason. “How Barack Obama Sold Out the Kale Crowd,” The New Republic. April 29, 2014. [https://newrepublic.com/article/117504/obama-failed-foodies](https://newrepublic.com/article/117504/obama-failed-foodies) This reading shows how little progress has been made in the eight years since Pollan’s article above, “Farmer in Chief.” The power of the food industry to roll back even limited reform efforts is examined.


FiBLFilm. “Strategies for Feeding the World More Sustainably with Organic Agriculture (Nature Communications),” video, 3:00, posted by the creator to YouTube on November 14, 2017. [https://www.youtube.com/watch?v=z4daLqmureU](https://www.youtube.com/watch?v=z4daLqmureU) In this introductory video to a major global modeling paper, organic agriculture is proposed as a promising approach to achieving sustainable food systems, but its feasibility is also contested. This video introduces and summarizes the key results from the first global modelling exercise focused on evidence-based testing of the underlying assumptions of organic and industrial agriculture production.


against-deadly-capitalist-agriculture/ This article provides a broad overview of the systemic factors underpinning industrial agriculture and the issues related to transition. It illustrates its analysis with examples from different parts of the world and pays particular attention to India. The comments section following this well-put-together article is also worth reading.


Ceccarelli, Salvatore. “Stuffed or Starved? Evolutionary Plant Breeding Might Have the Answer,” Independent Science News for Food and Agriculture, June 11, 2018. https://www.independentsciencenews.org/health/stuffed-or-starved-evolutionary-plant-breeding-might-have-the-answer/ Excellent summary of science relating the industrial food system to nutrition and the physical and mental health crises exacerbated by industrial food supply. It makes a solid science-based argument for transforming the food system metrics from volume per unit, to nutrition per unit.

Cooper, Sean Patrick. “Is America Ready for the Next Superstorm?” The New Republic, June 4, 2018. https://newrepublic.com/article/148303 Major article documenting the vulnerability of the food system in New York due to the city’s centralized market from which 50% of the food supply for 9 million is aggregated and distributed across the city and the implications of sea level rise.

Grain. “Semillas, ¿bien común o propiedad corporativa?” video, 39:17, posted by the creator to Vimeo, accessed January 3, 2019. https://vimeo.com/240217030 This film follows the lives and struggles of families, small farmers, communities, and nations to save seeds. It deepens our understanding on several fronts—the predatory corruption of global capitalism in the seed industry, the formidable resistance of farmers and peasants in eight countries to having their seeds and food supply deemed illegal, and, how they are acting to preserve food and cultural commons, and their basic human and cultural rights. The video is in Spanish and has subtitles in French, English, and Portuguese.


Objective 3.2

Winkler, Elisabeth. “Are City Start-ups a Help or a Hindrance to Local Food?” Resilience, June 15, 2018. [https://www.resilience.org/stories/2018-06-15/are-city-start-ups-a-help-or-hindrance-to-local-food/](https://www.resilience.org/stories/2018-06-15/are-city-start-ups-a-help-or-hindrance-to-local-food/) This article helps one understand the date between the CSA model and the kind of model Riverford represents.


Pimbert, Michel. “Perspectives: Agroecology as an alternative Vision to Climate-Smart Agriculture,” ILEIA, June 26, 2017. [https://www.ileia.org/2017/06/26/agroecology-alternative-vision-agriculture/](https://www.ileia.org/2017/06/26/agroecology-alternative-vision-agriculture/) Excellent short article on agroecology and contrasting it is Climate Smart Ag. (CSA) that is dominated my commodity approach and large multi-nationals.


Seikatsu Club Consumer’s Cooperative Union. 2017. Think & Act Data Book. [https://www2.seikatsuclub.coop/excludes/rengou/img/about/vision/2017thinkandacte.pdf](https://www2.seikatsuclub.coop/excludes/rengou/img/about/vision/2017thinkandacte.pdf) Scorecard review of their performance as a cooperative against 10 key indicators such as supporting local food chains and quality foods, reducing waste, limiting packaging, rejecting GM crops, and acting on your own initiative.

La Via Campesina. “La Via Campesina’s VII International Conference Opens With the Ringing of Bells,” July 20, 2017. [https://viacampesina.org/en/la-via-campesinas-vii-international-conference-opens-ringing-bells/](https://viacampesina.org/en/la-via-campesinas-vii-international-conference-opens-ringing-bells/) The first video through this link is a 4 minute representation of the official opening of La Via Campesina’s 7th conference. It is a very moving film that captures the dynamic and rich movement...
culture that has evolved within the largest mass movement in the world.


Grain. “Hungry for Land: Small Farmers Feed the world with Less than a Quarter of all Farmland,” May 28, 2014. https://www.grain.org/article/entries/4929-hungry-for-land-small-farmers-feed-the-world-with-less-than-a-quarter-of-all-farmland The Kindling Trust. “Kindling: A Sustainable Food Revolution,” video, 9:42, posted by the creator to YouTube on March 1, 2016. https://www.youtube.com/watch?v=qleSudl14Gi An environmental and social change organization, the Kindling Trust uses food as a catalyst to advance the vision for a sustainable food system. Developing new farmers through education, technical support, and coordinating local market development and distribution, they have created a local food system able to strengthen food security and resilience in the large metropolitan area of Manchester in northern England. Note: Contrast their systematic approach with the approach in Philadelphia with respect to scale, scope, and strategy.


Review of latest IPCC Report and their controversial mention of land scarcity and the need for society to transition away from animal consumption in order to free up land for plant based food. Currently animal husbandry accounts for between 14.5 and 18 percent of GHGs. Vettese makes the case for the shift to Vegan or plant based diets, in order to address climate change and carbon sequestration.