## Food and Land Use Inefficiencies across food and land use systems





Linearity

crops in fertiliser actually reaches consumers' plates In cities, less than 2% of valuable nutrients from organic waste gets looped back to productive use.<sup>10</sup>

Jägermeyr, J. et al. (2015), Water savings potentials of irrigation systems: global simulation of processes and linkages, Hydrol. Earth Syst. Sci., 19, 3073-3091, 2015

- Jagermeyr, J. et al. (2015), Water Saving's potentials of irrigation systems: global simulation of processes and inkages, Hyarol. Earth Syst. Sci., 19, 3073–3091, 2015. Carvajal-Yepes, M. et al. (2019), A global surveillance system for crop diseases, Science 28 Jun 2019: Vol. 364, Issue 6447, pp. 1237-1239, DOI: 10.1126/science.aaw1572 World Resources Institute (2013), Reducing Food Loss & Waste Working Paper, Creating a Sustainable Food Future. UNEP (2016) Food Systems and Natural Resources, A Report of the Working Group on Food Systems of the International Resource Panel, Westhoek, H, Ingram J., Van Berkum, S., Özay, L., and Hajer M. Weber, C. and H. Matthews (2008) "Food miles and the Relative Climate Impacts of Food Choices in the United States." Environmental Science & Technology, 42(10): 3508-3513 Buchner et al. (2012), Food waste: Causes, impacts and proposals. Parma: Bavilla Centre for Food & Nutrition.
- US Department for Agriculture Economic Research Service (August 2019), Food Access Research Atlas; available online at: https://www.ers.usda.gov/data-products/food-access-research-atlas/documentation/ FAO, Save Food: Global Initiative on Food Loss and Waste Reduction Key Facts; available online at: http://www.fao.org/save-food/resources/keyfindings/en/ Alexander, P. et al. (2017), Losses, inefficiencies and waste in the global food system, Agricultural Systems 153 (2017) 190–200, http://dx.doi.org/10.1016/j.agsy.2017.01.014
- Ellen MacArthur Foundation (2019), Cities and the Circular Economy for Food; available online at: https://www.ellenmacarthurfoundation.org/assets/downloads/Cities-and-Circular-Economy-for-Food\_280119.pdf