

Thesis Project Portfolio

Managing for Stakeholders & Behavioral Design in the Agriculture Industry

(Technical Report)

Responsible Innovation and Food Charity: An Investigation into Methods of Reducing Hunger in the United States

(STS Research Paper)

An Undergraduate Thesis

Presented to the Faculty of the School of Engineering and Applied Science
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In Fulfillment of the Requirements for the Degree
Bachelor of Science, School of Engineering

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Sociotechnical Synthesis

Hunger in the United States could be significantly mitigated by increased charitable donations from agricultural wholesalers, and unclaimed incentives exist for them to do so. Using behavioral science and economics as a framework to understand various stakeholders and actions, it could be possible to match the available incentives with the agricultural donors, leading to increased volume of resources flowing toward food charity efforts. Given the social impact of this project, the theory of Responsible Innovation will be applied to ensure that the project includes as many stakeholders as possible, and to answer critical questions about risk management, inclusion, reflexivity, intended and unintended consequences, and more. Based on this research, the output of the project will hopefully be more socially just and economically impactful.