Global Trends, Local Impacts: The Role of the University

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World Population Growth and Agriculture
Urbanization and Agriculture

Food security and Urbanization

- Urbanization has been growing constantly worldwide since the 1950s

Source: UN 2014
Climate Change and Agriculture

Projected impact of climate change on agricultural yields

* A key culprit in climate change — carbon emissions — can also help agriculture by enhancing photosynthesis in many important (...) crops such as wheat, rice, and soybeans. The science, however, is far from certain on the benefits of carbon fertilisation.*

This map represents the case of beneficial carbon fertilisation processes.

Source: Cline W., 2007, Global Warming and Agriculture.
Agrarian Question in the Late 19th and Early 20th Centuries

Traditional

Industrial
Diversity of Agriculture
What should the agriculture of the 21st century be?