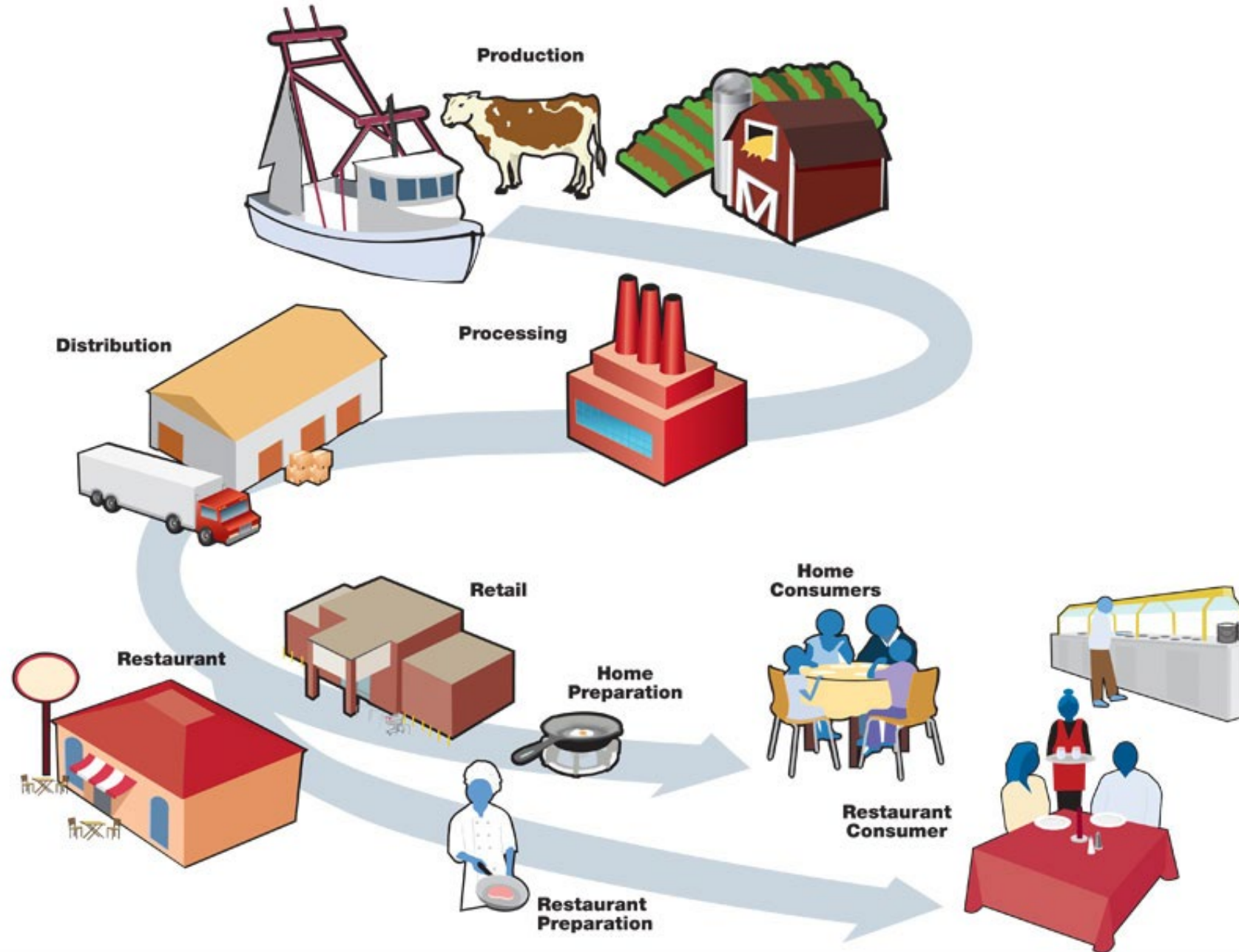




Production and Distribution Frames – An Introduction

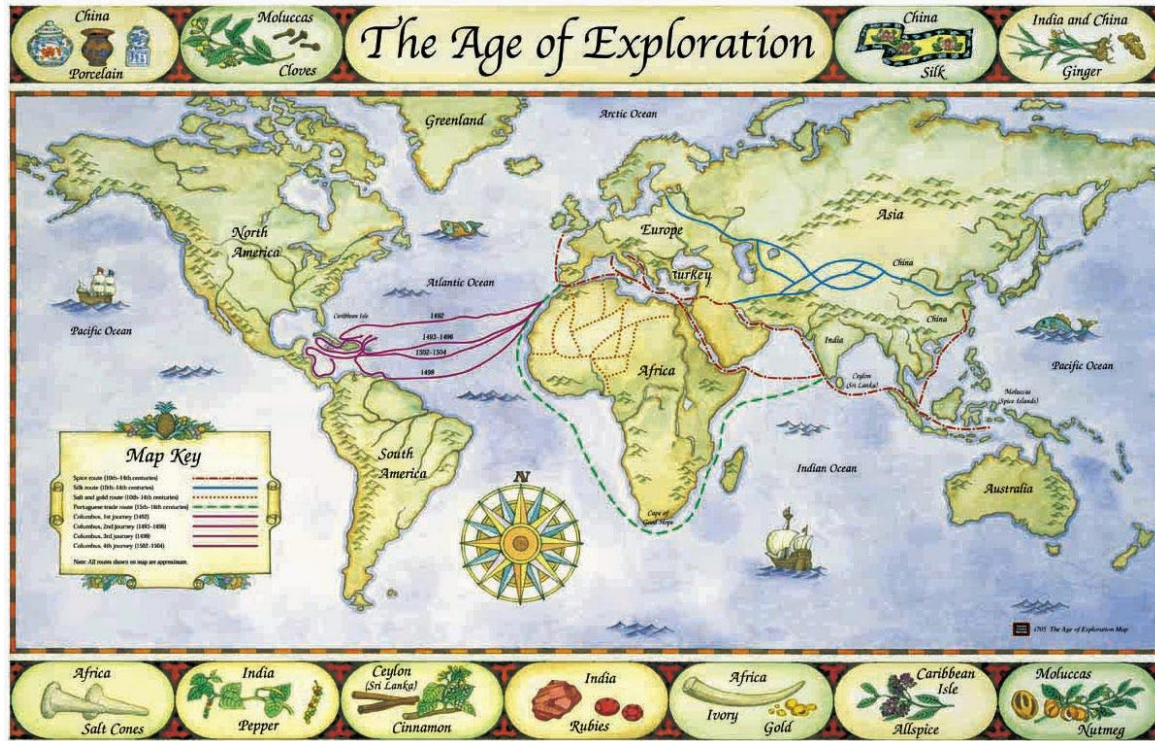
The Food Production Chain



A modern example – Production (make/use) the “things” and Distribution (share, sell, trade)

From 1200 to 1450 – Regional Systems of Distribution

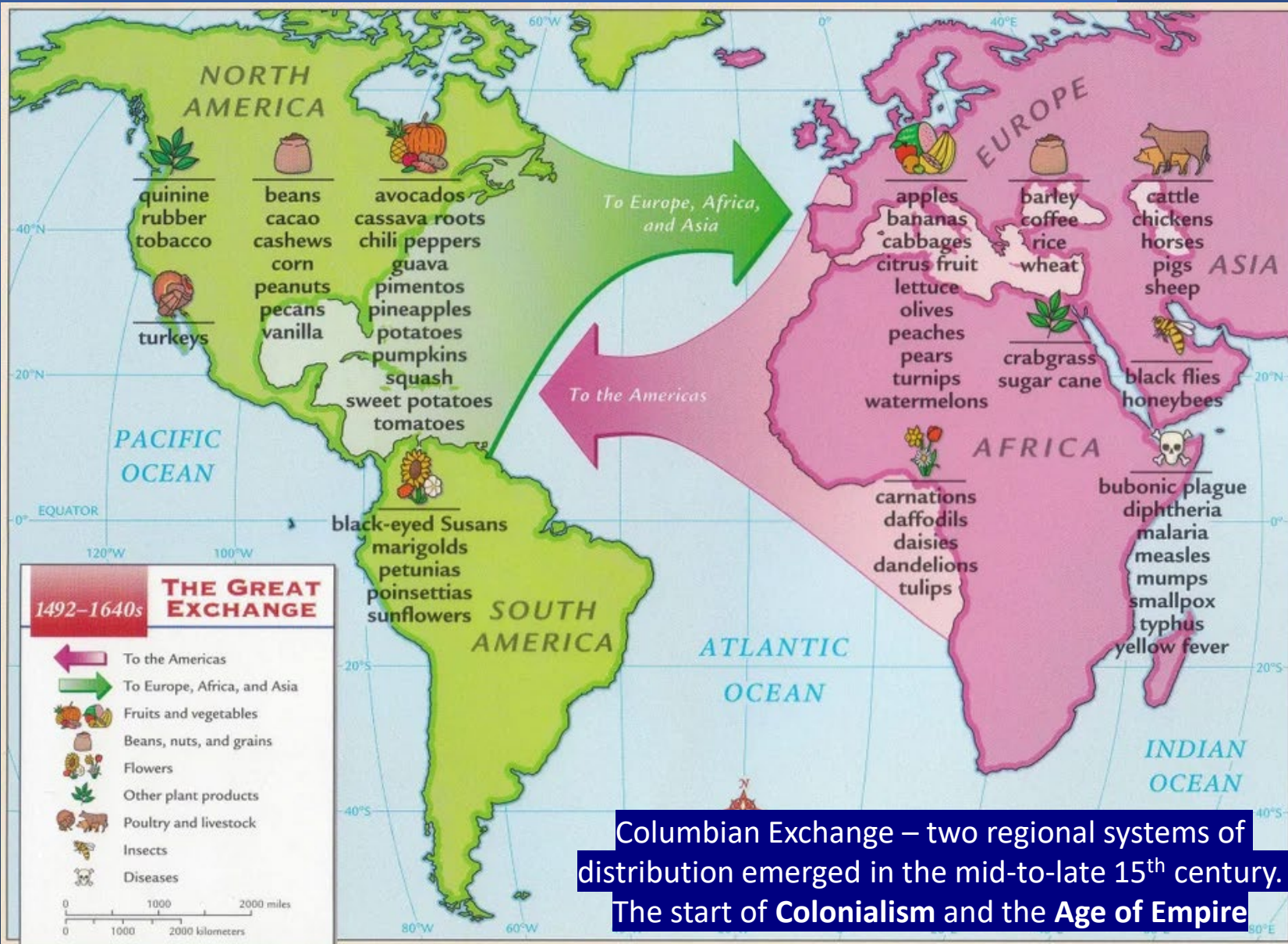
- Shift from community production & distribution to regional networks of trade.
- Our “Old Network” of Trade



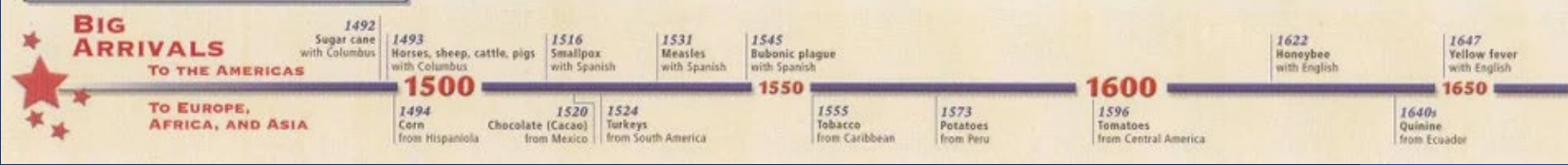
The Silk Road



The Silk Road and related trade routes



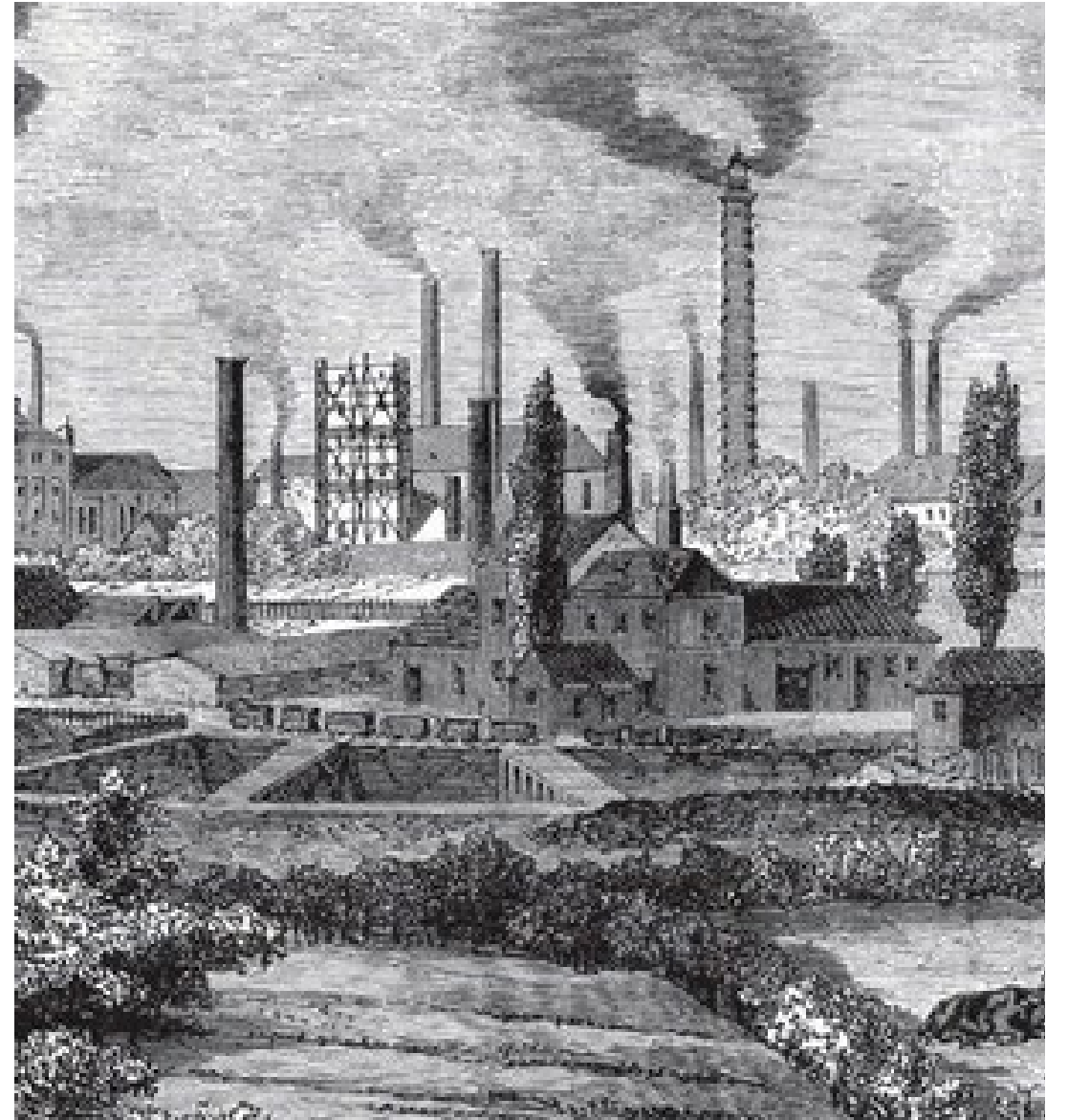
Columbian Exchange – two regional systems of distribution emerged in the mid-to-late 15th century. The start of Colonialism and the Age of Empire



THE ATLANTIC SLAVE TRADE ROUTES

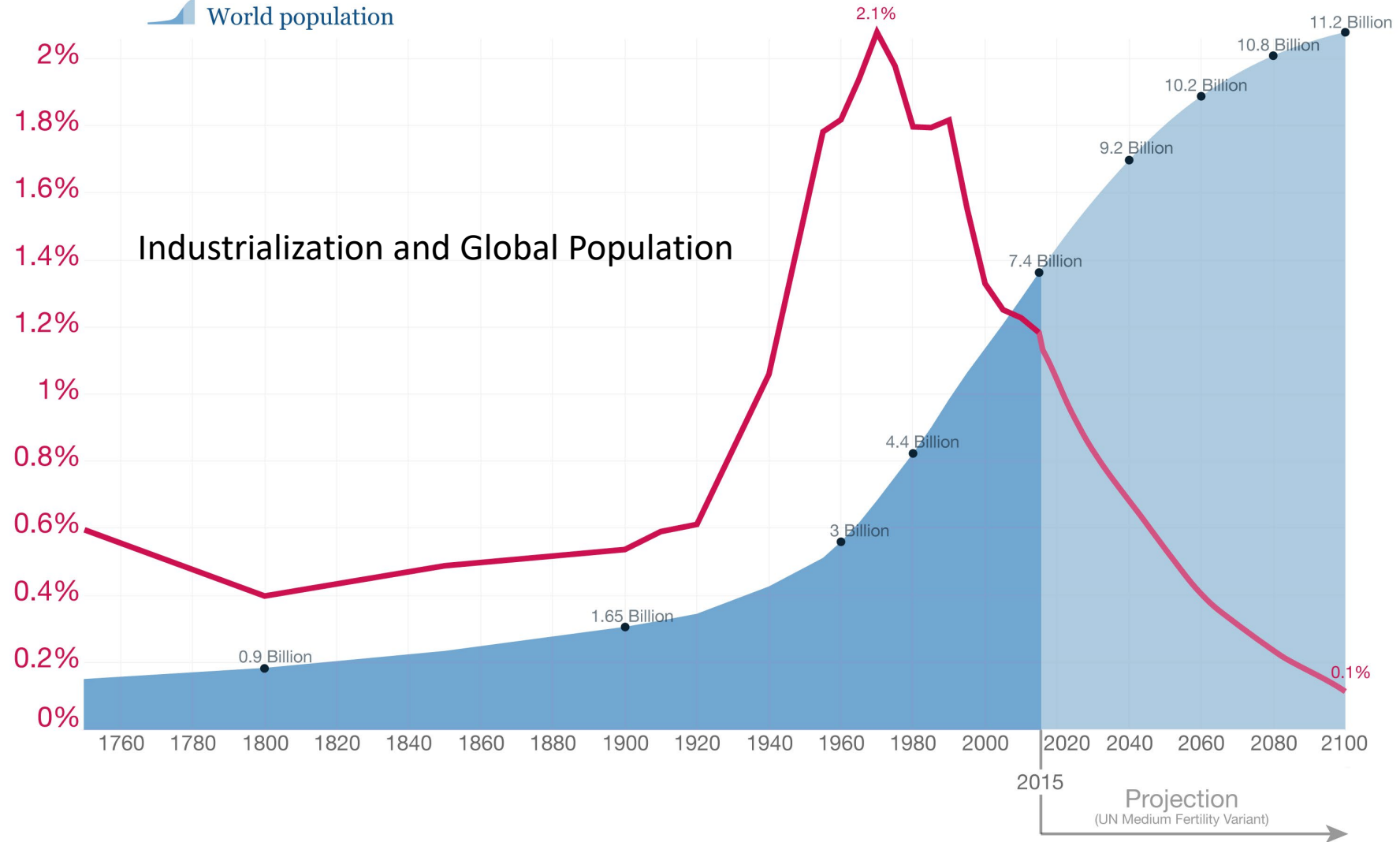






World population growth, 1750-2100

Annual growth rate of the world population
World population



Data sources: Up to 2015 OurWorldInData series based on UN and HYDE. Projections for 2015 to 2100: UN Population Division (2015) – Medium Variant. The data visualization is taken from OurWorldinData.org. There you find the raw data and more visualizations on this topic.

PLASTIC OCEAN

192 COUNTRIES (BORROWING THE ATLANTIC, PACIFIC, INDIAN OCEAN, AND MEDITERRANEAN) AND BLACK SEAS PRODUCED 2.5 BILLION METRIC TONS OF SOLID WASTE IN 2010. AN ESTIMATED 8 MILLION METRIC TONS OF PLASTIC ENTERED THE OCEAN THAT SAME YEAR.



2.5 BILLION METRIC TONS OF SOLID WASTE IS PRODUCED ALL AROUND THE WORLD

2 BILLION PEOPLE WITHIN 30 MILES OF THE COAST CREATE

100M METRIC TONS OF COASTAL PLASTIC WASTE

AND WITHIN THAT 275M METRIC TONS IS PLASTIC WASTE

AND EVERY YEAR, 8 MILLION METRIC TONS OF PLASTIC GOES INTO THE OCEAN

WHAT WE CAN DO

REDUCE PLASTIC IN WASTE STREAM

IMPROVE SOLID WASTE MANAGEMENT

INCREASE CAPTURE & REUSE

HEALTHY OCEANS



Production and Distribution



Key Ideas – Understanding Content

- This lecture started by saying we believe emerged from Chinese society several hundred years ago. What does this saying suggest about some values common to that society in that period?
- How did systems of production and distribution expand during the period from 1200-1450?
- What transformations in production and distribution have occurred in the period from 1450-1750?
- How did the use of fossil fuels transform systems of production and distribution?
- How did empires help drive the new global industrial system?
- How have our systems of production and distribution changed over the last hundred years?

Evaluating and Corroborating

- Look around you. Of the things you see, how many of them were made by humans? Now, just think about the things you're touching—your clothes and personal items. How many of them do you know how to make? Do you know where they were made or where the raw materials needed to produce them came from?
- Knowing what you know about the world we live in today, what do you think are some answers to the questions posed at the end of the video? For example, are we better or worse off than our ancestors who produced their own food? Can we say we've made progress? What was the cost of all this innovation in production and distribution?