

Cartography of Contentment

A short course offered
at the Denver Museum
of Nature & Science

Bob Raynolds and KaChun Yu

December 2020

bobraynolds1@gmail.com

- Google Earth flyover

- USA

- UK



Wilbur

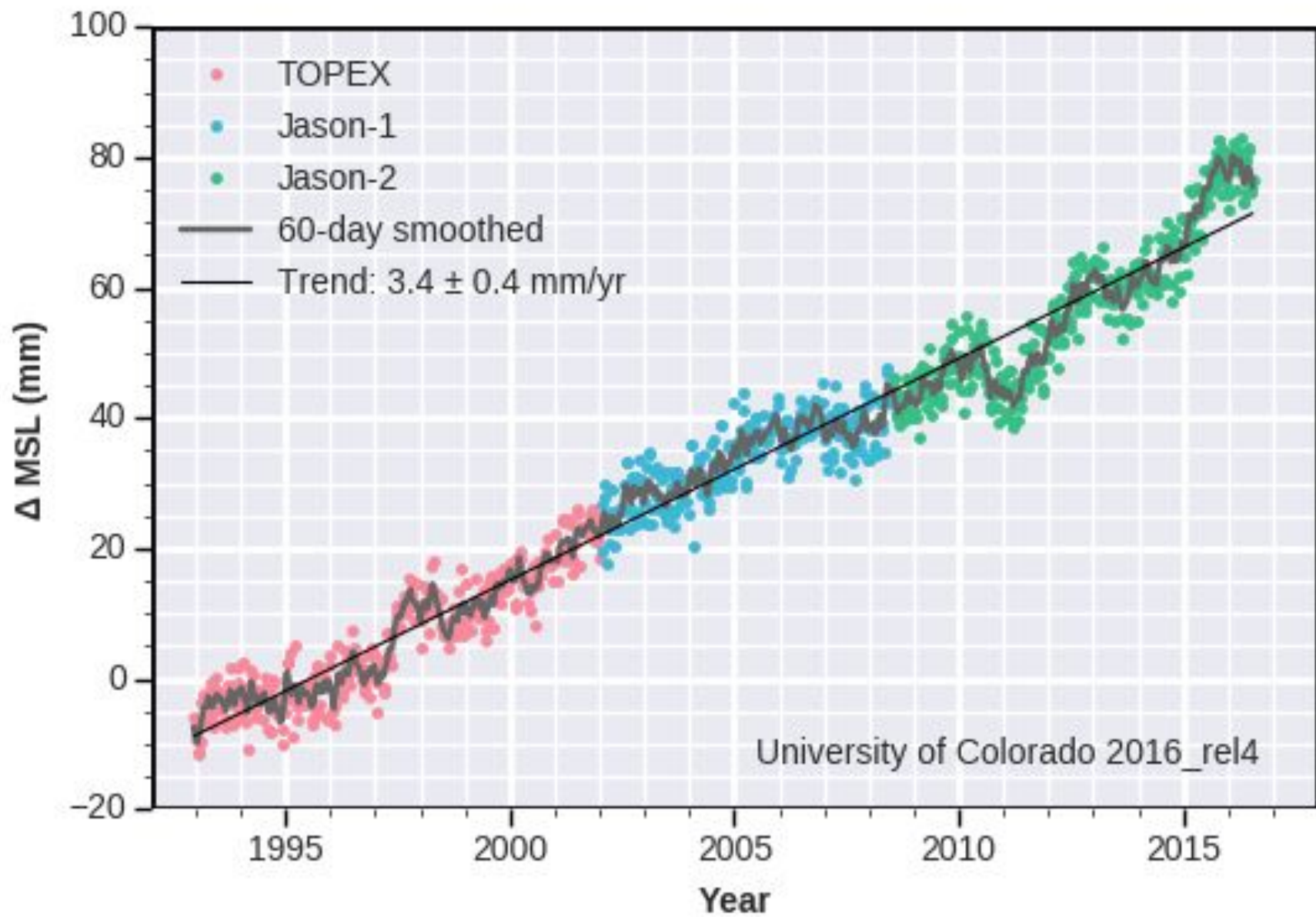


The diagram illustrates the Earth's energy balance. On the right, a portion of the Sun is visible, emitting a thick purple arrow labeled 'Energy In' that points towards the Earth. The Earth is shown on the left, with a blue arrow labeled 'Energy Out (LW+SW)' pointing away from it. A thin white line passes through the Earth, and the text 'Net Positive Imbalance' is written in blue, slanted letters below it.

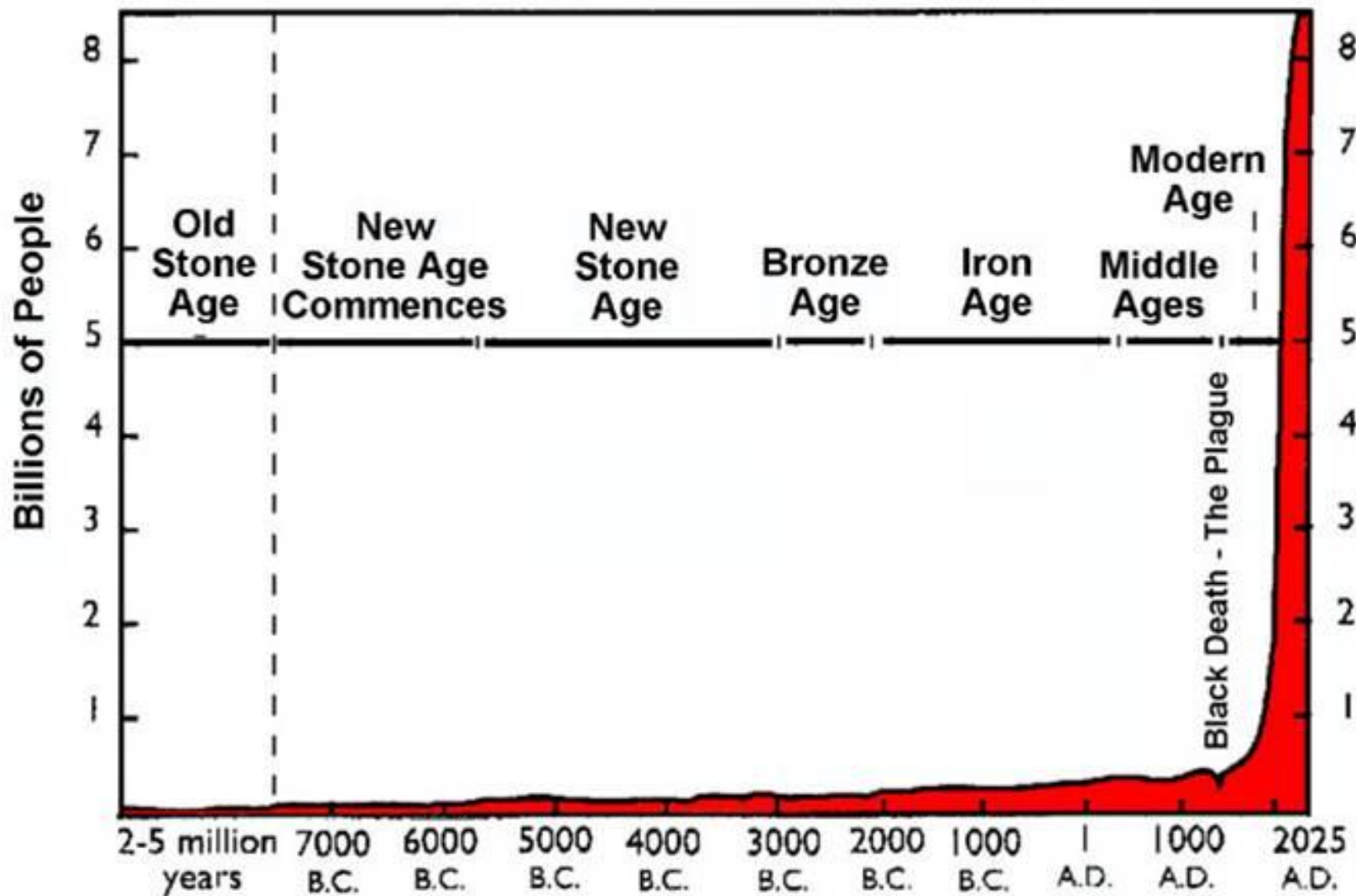
Energy In

Energy Out
(LW+SW)

Net Positive
Imbalance



World Population Growth Through History



From "World Population: Toward the Next Century," copyright 1994
by the Population Reference Bureau

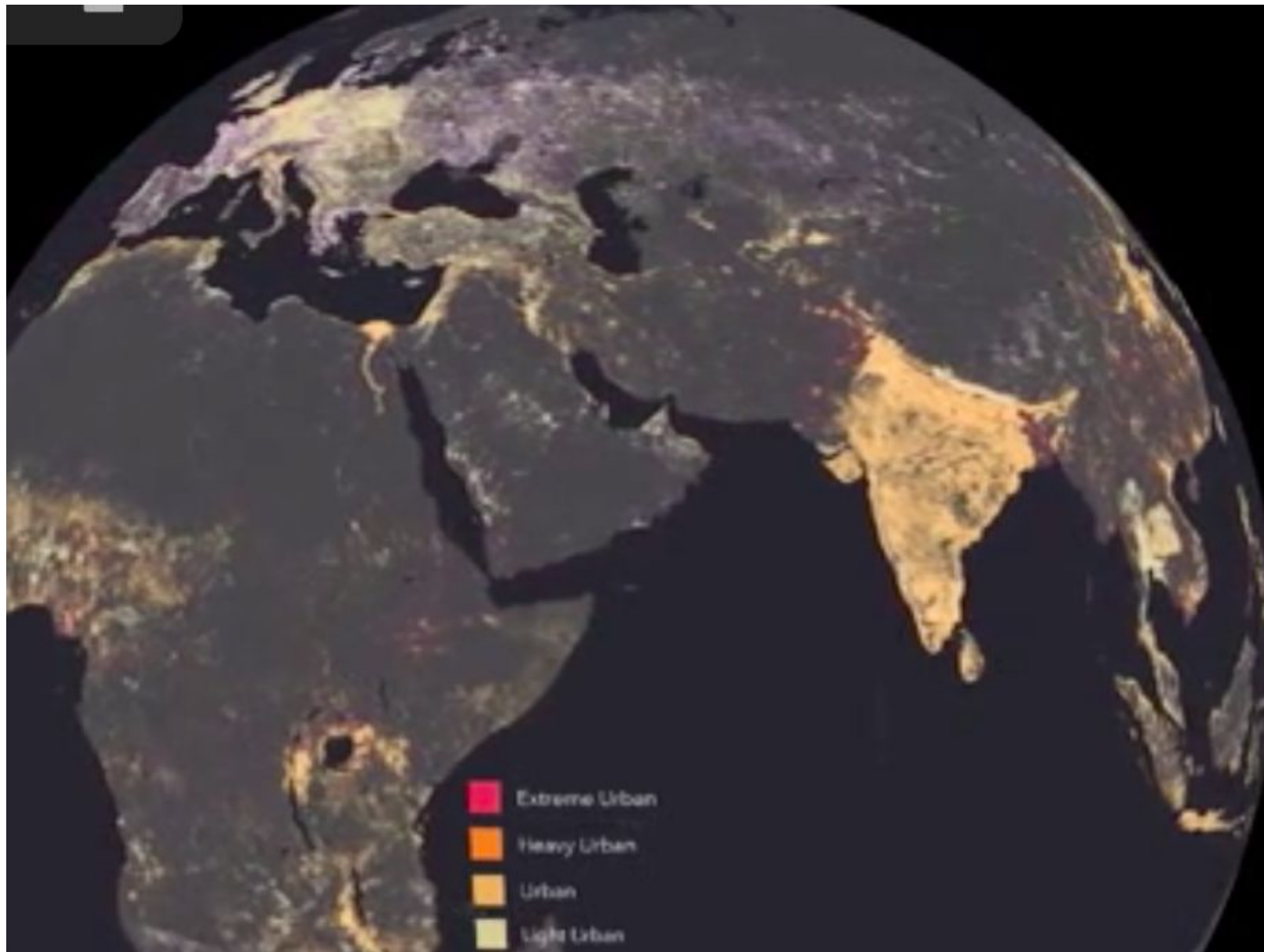
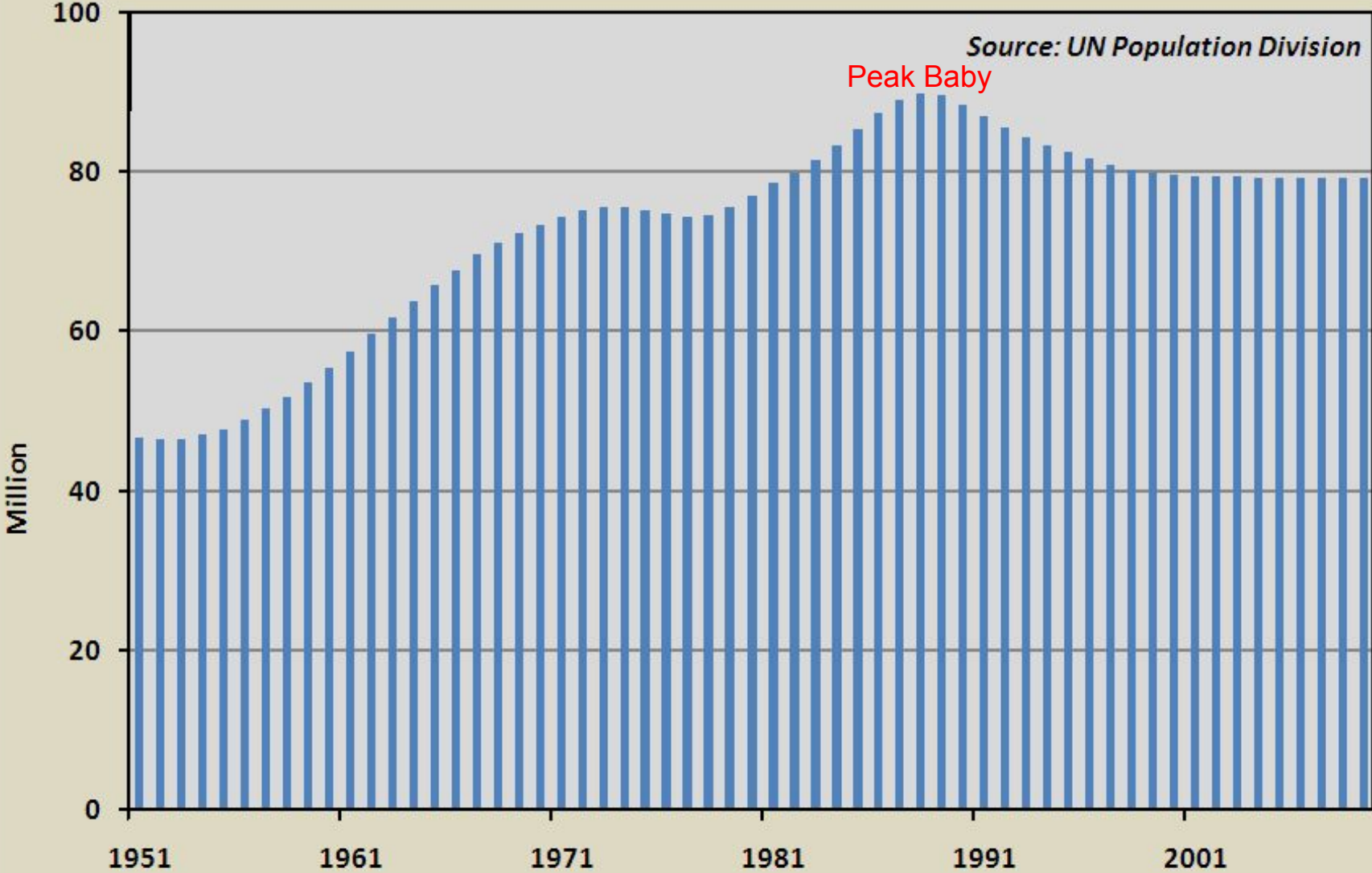
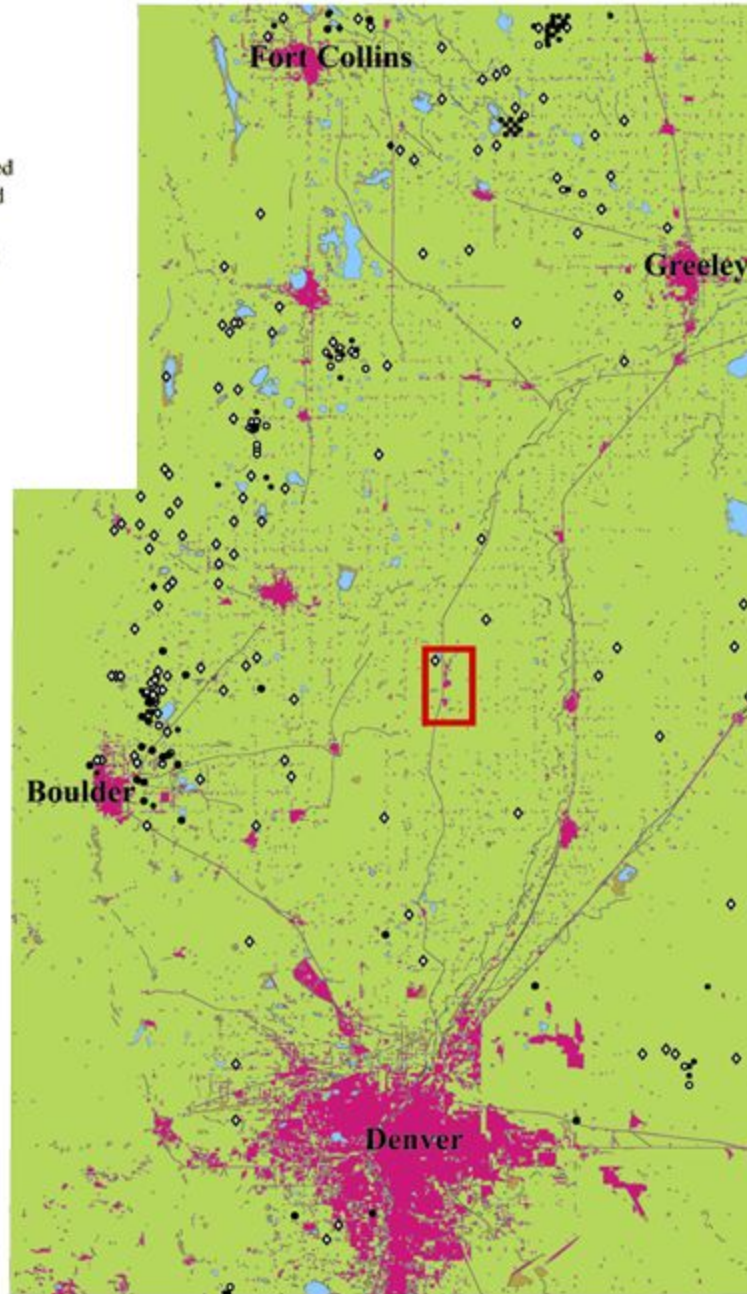


Figure 2. Annual Addition to World Population, 1951–2009



1960

- Developed
- Vegetated
- Water
- Gas Well
- Oil Well

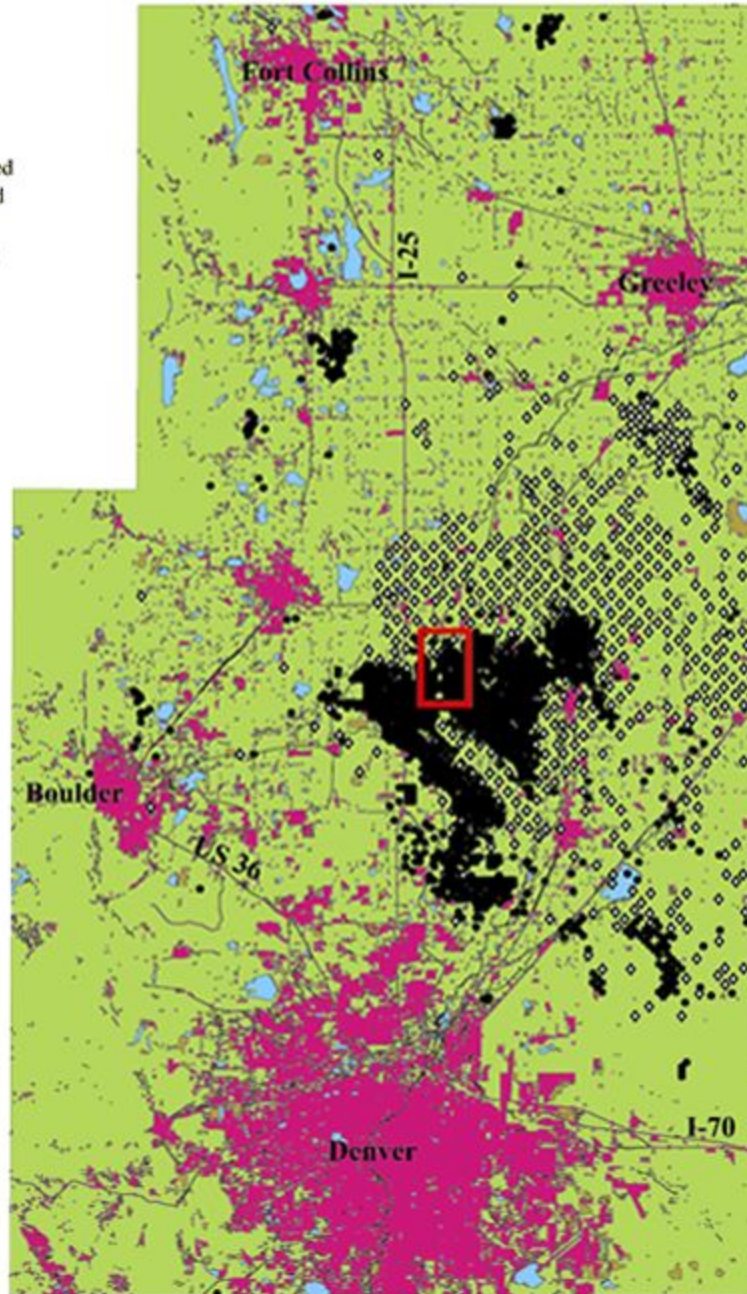


U

USGS

1980

- Developed
- Vegetated
- Water
- Gas Well
- Oil Well

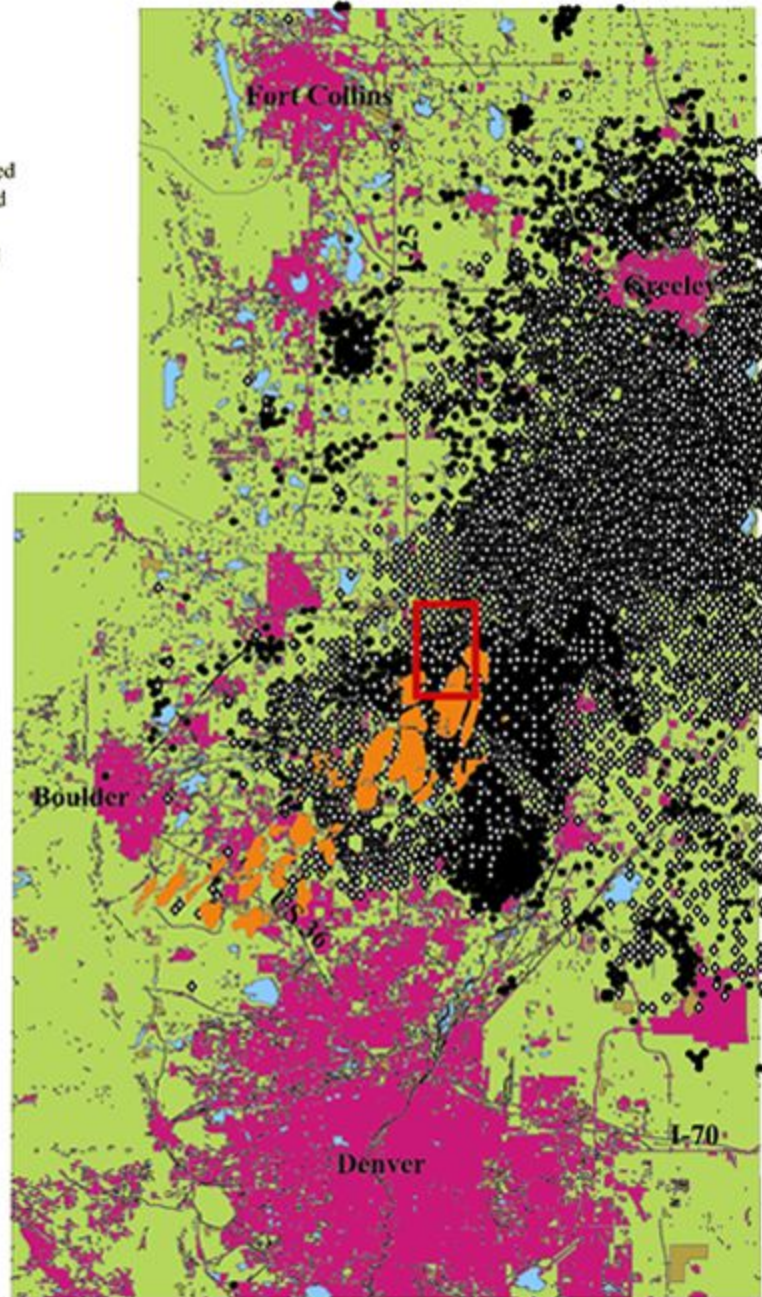


U

USGS

2000

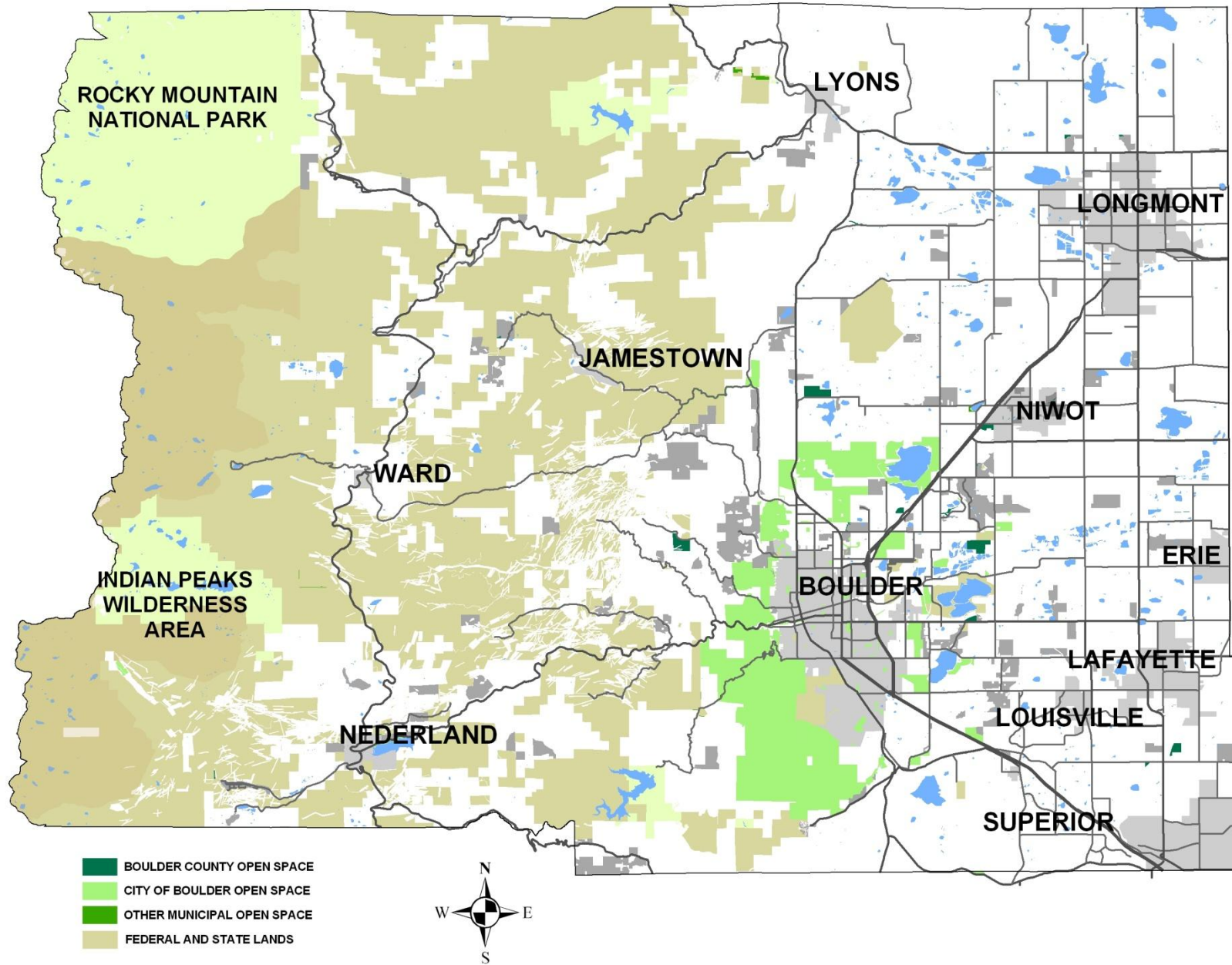
- Developed
- Vegetated
- Water
- Gas Well
- Oil Well



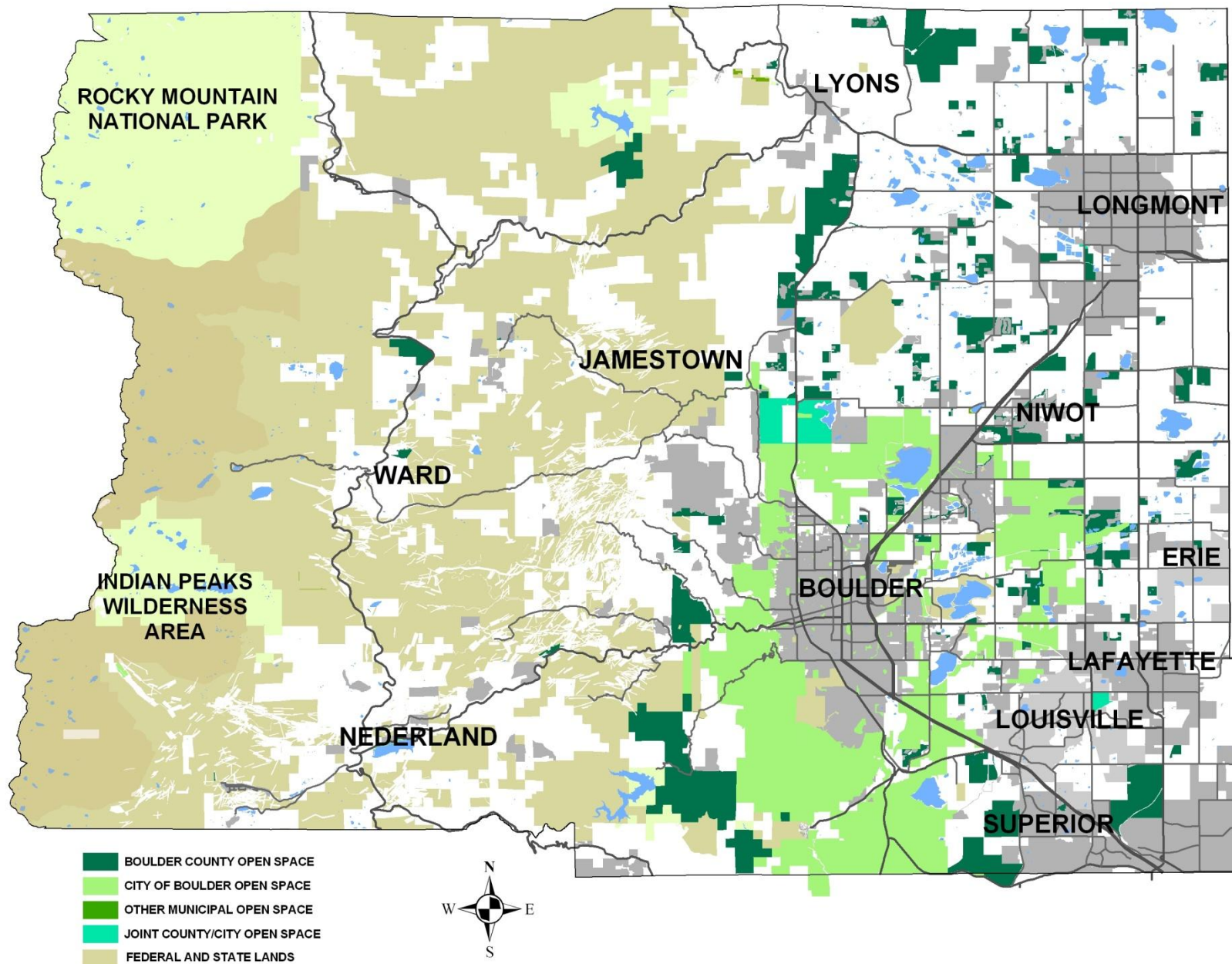
U

USGS

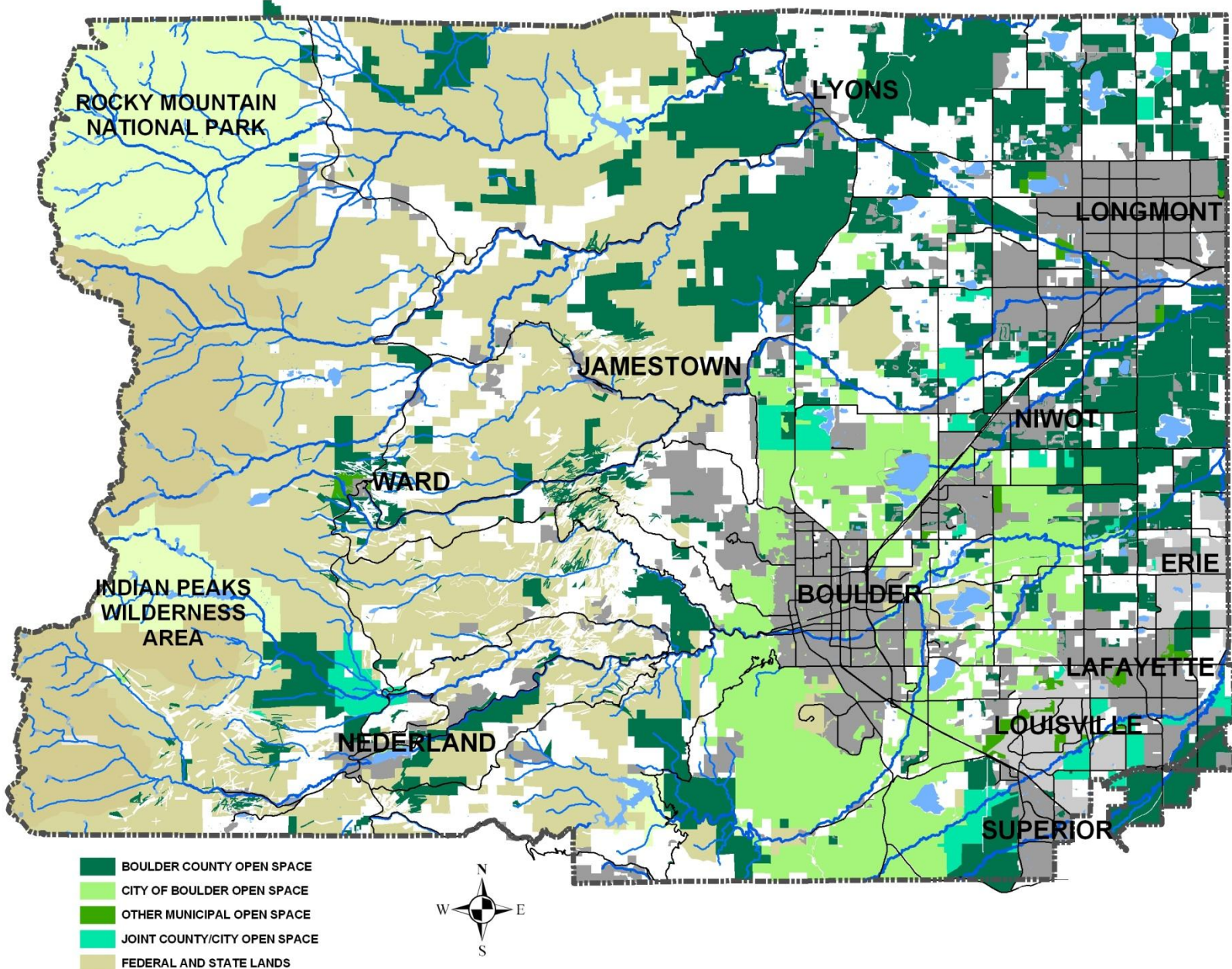
Open Space 1975



Open Space 1994



Open Space 2007

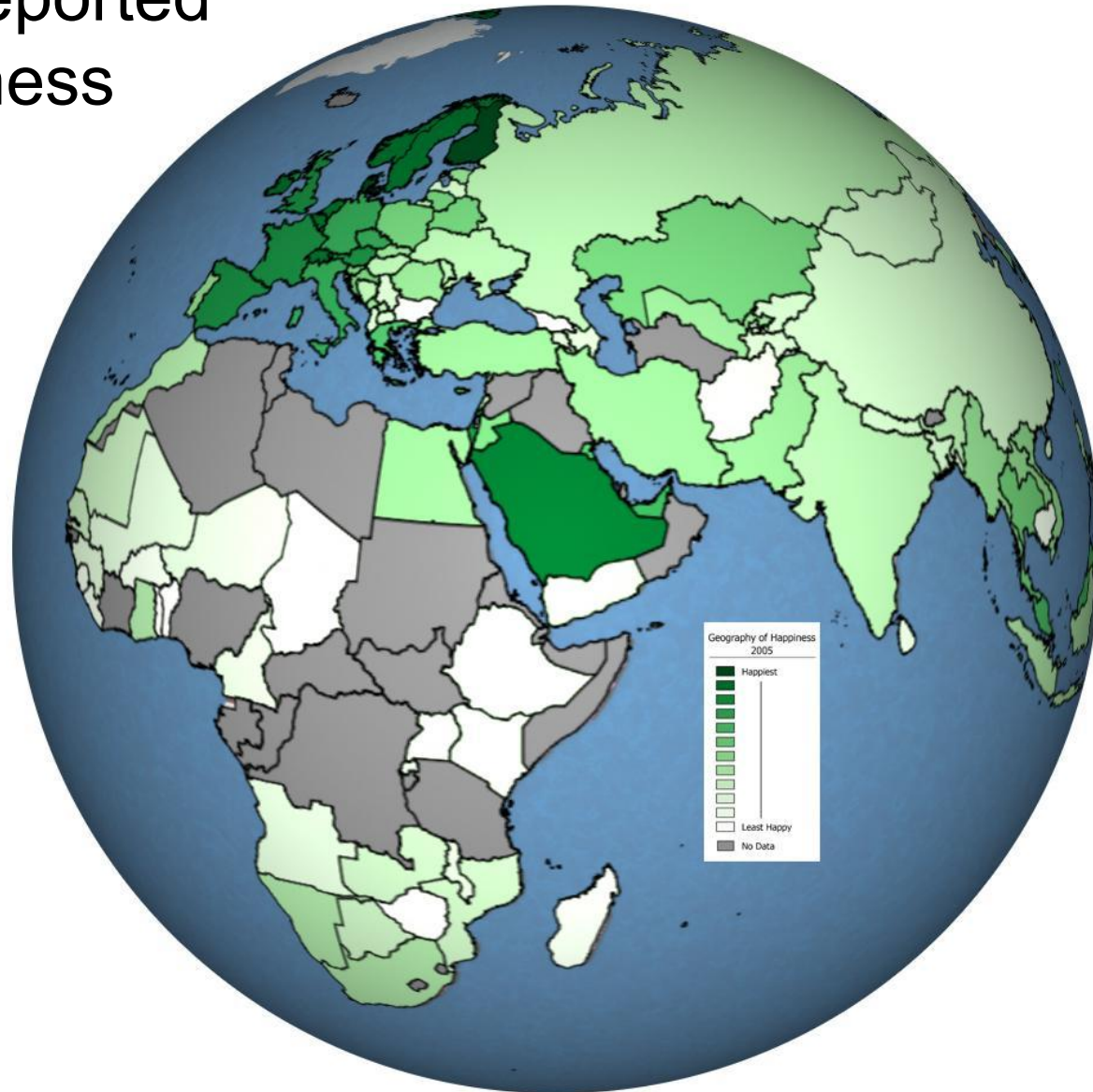






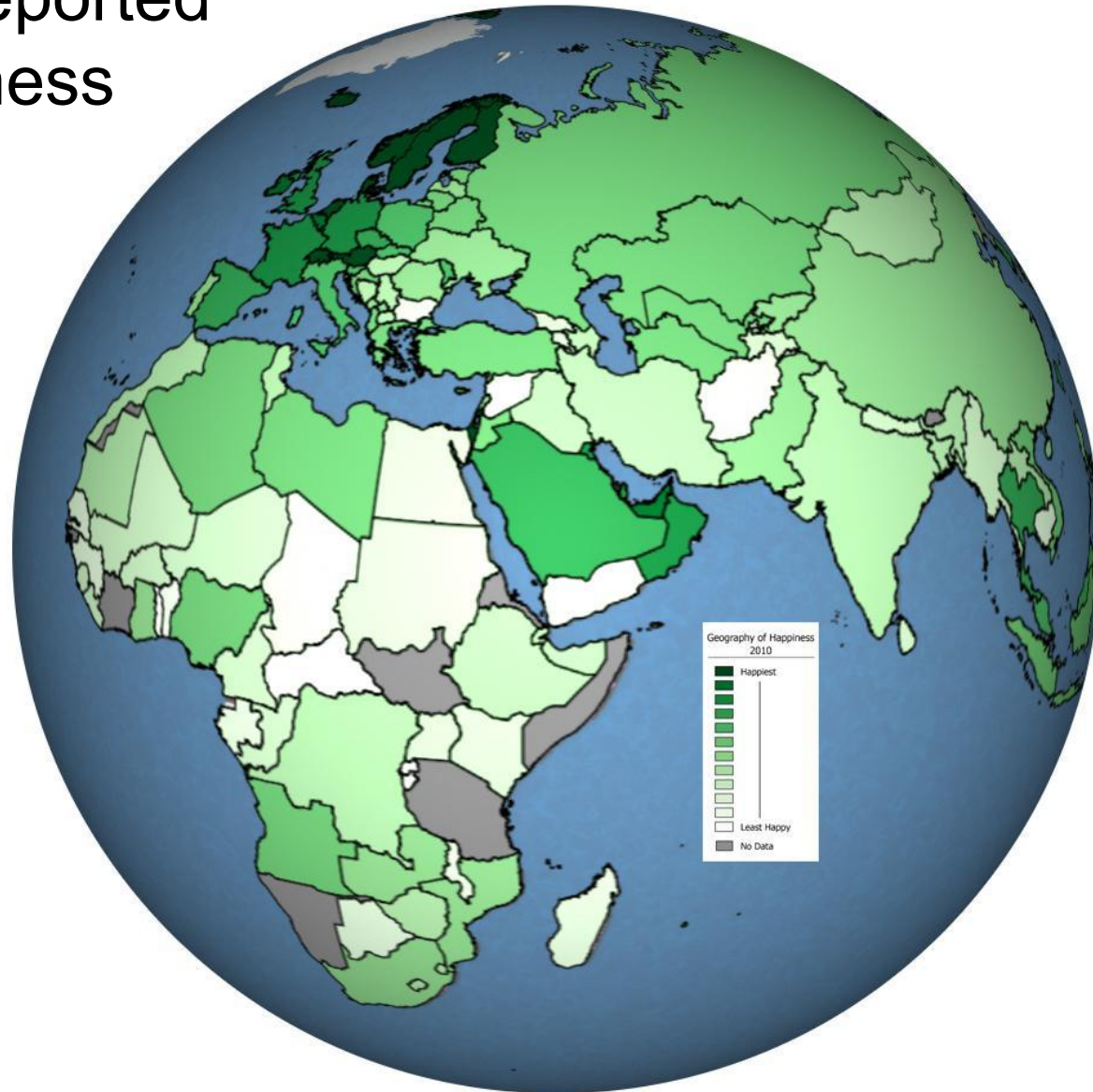


Self Reported Happiness



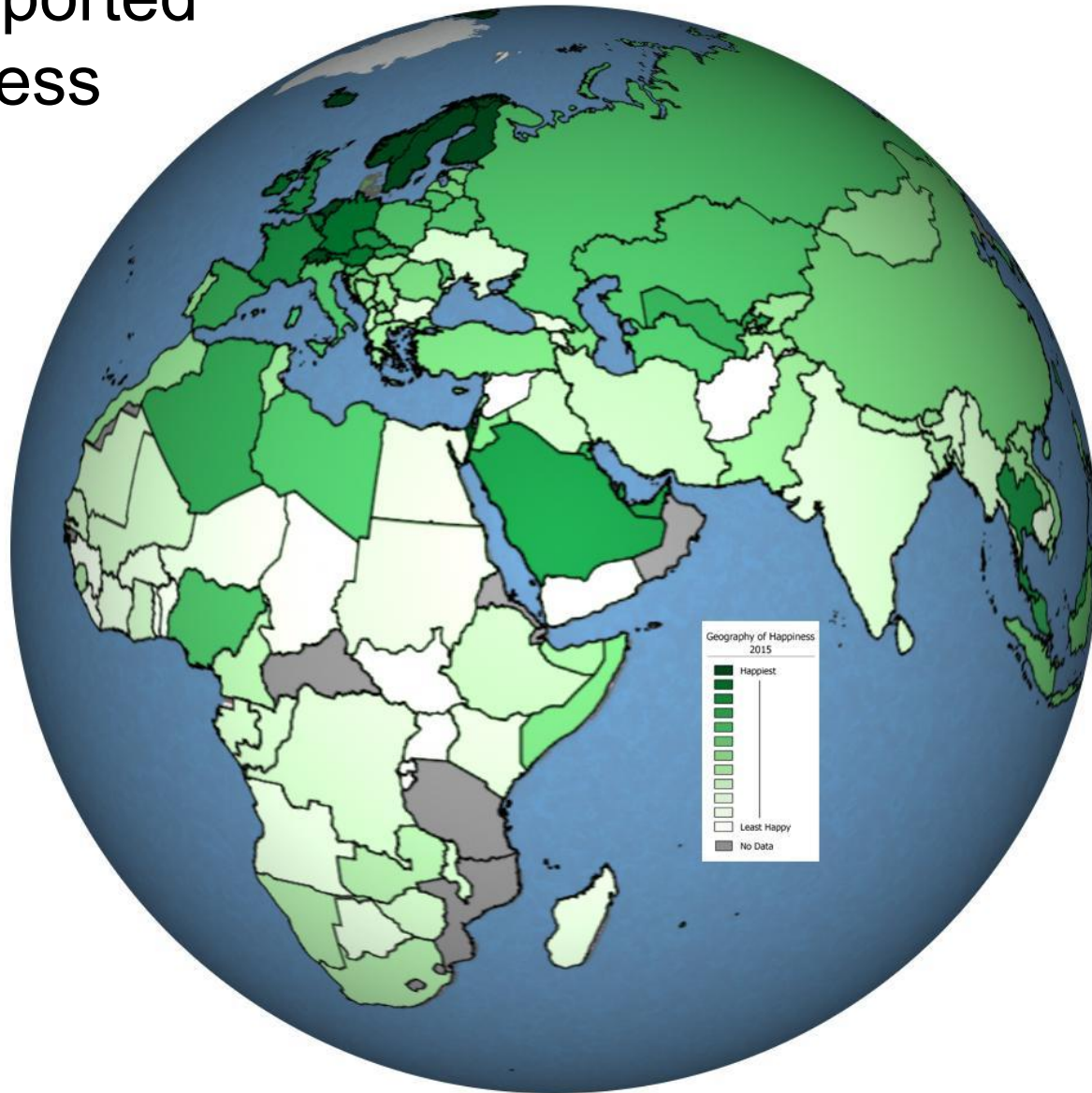
2005

Self Reported Happiness



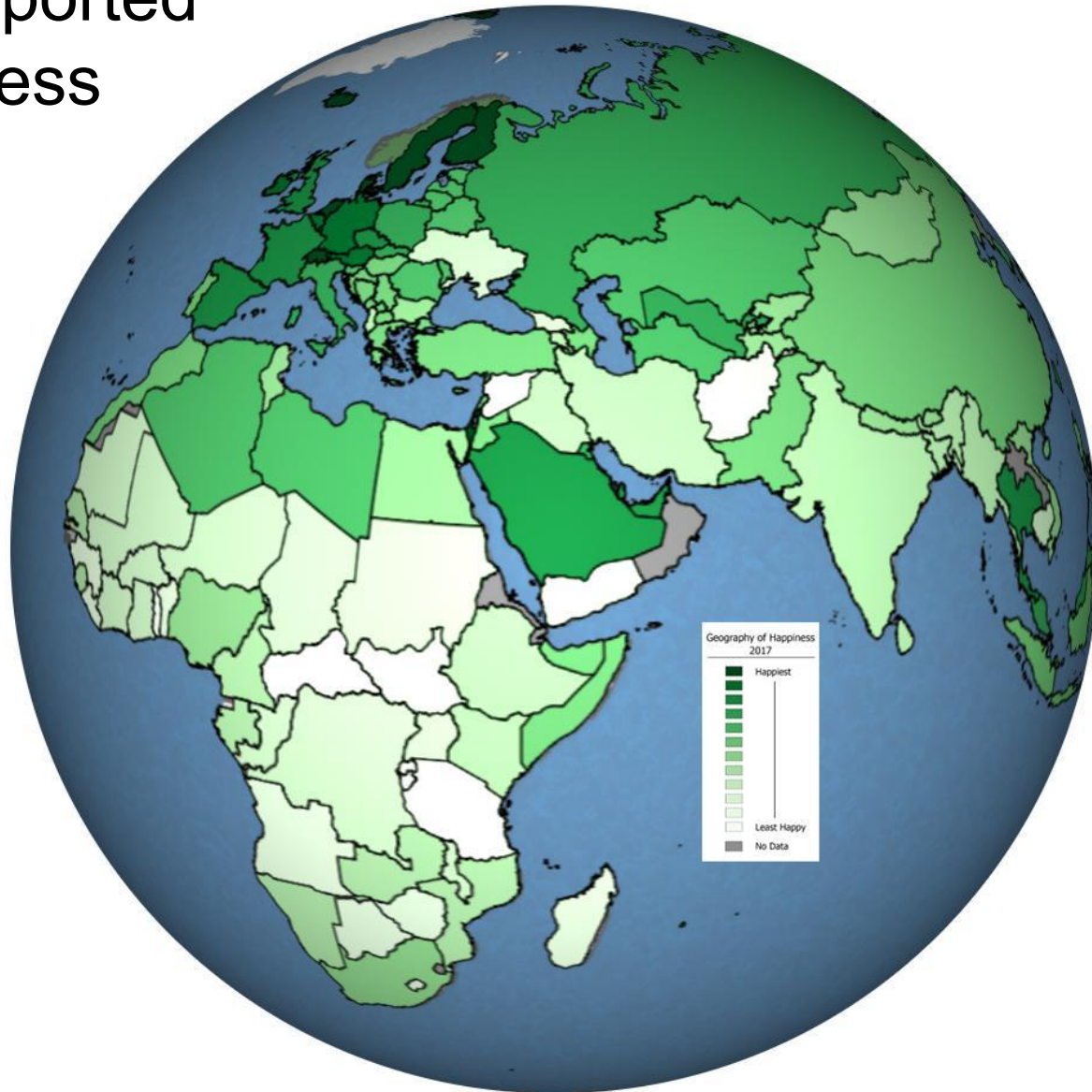
2010

Self Reported Happiness



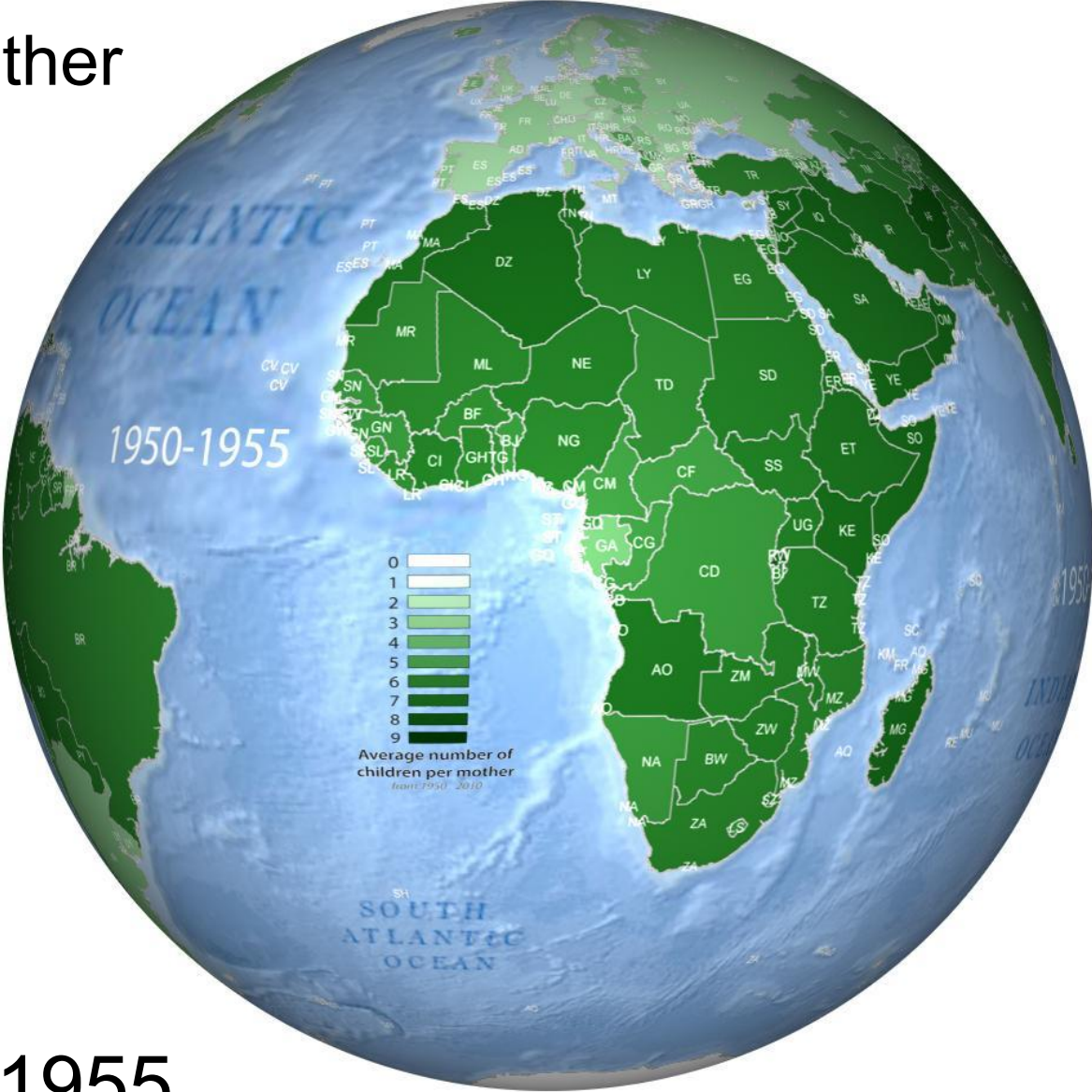
2015

Self Reported Happiness



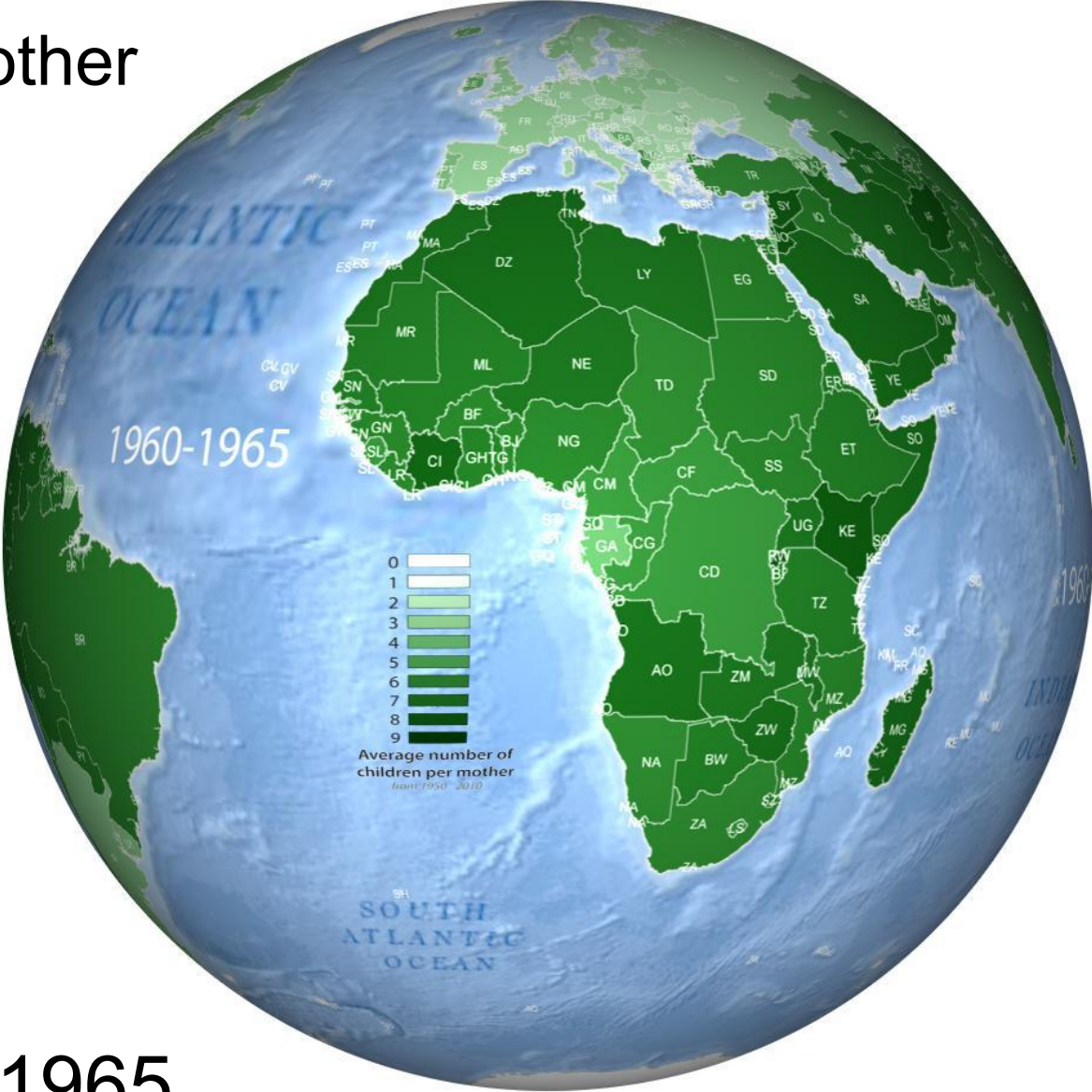
2017

Babies per mother



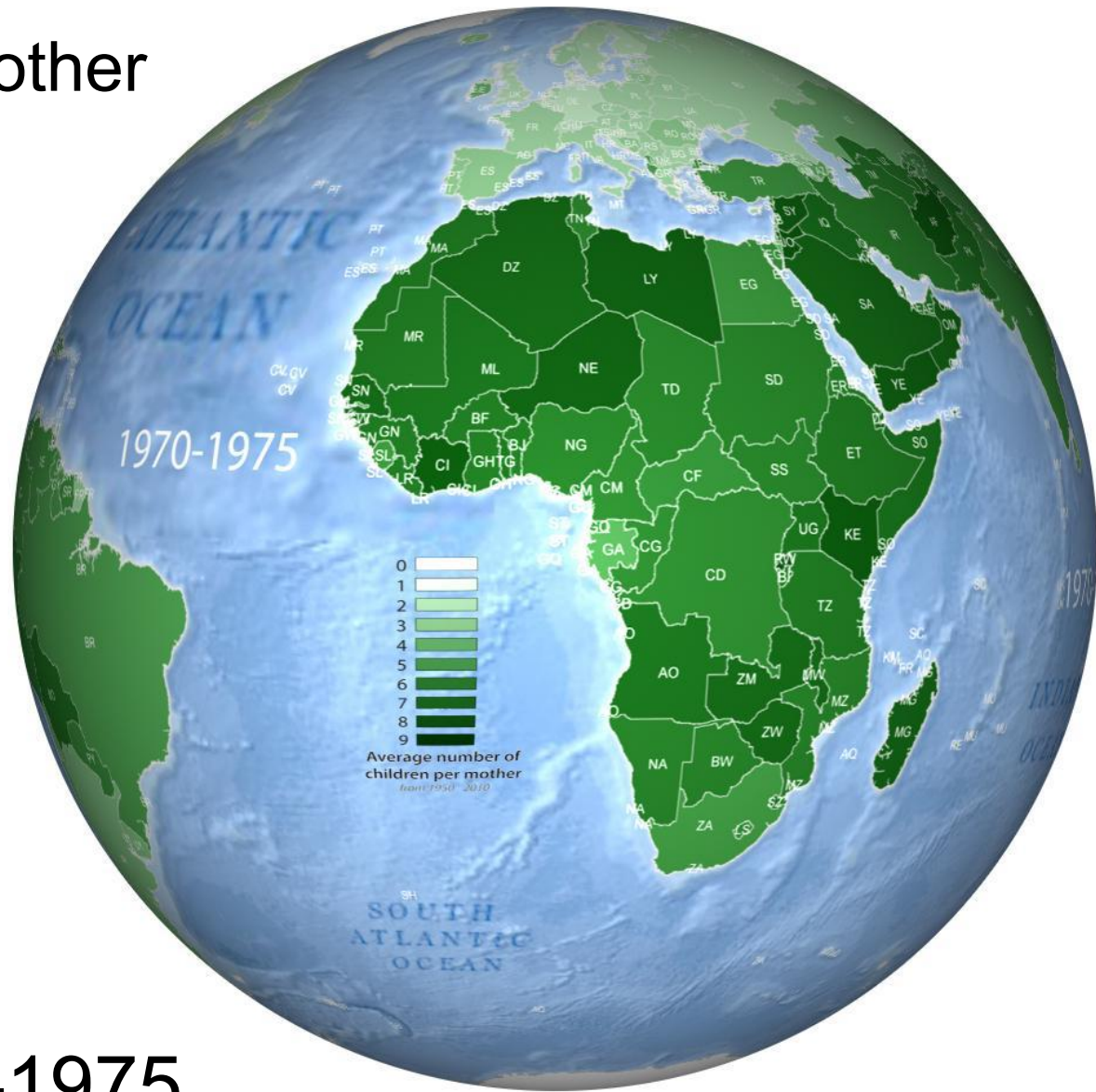
1950-1955

Babies per mother



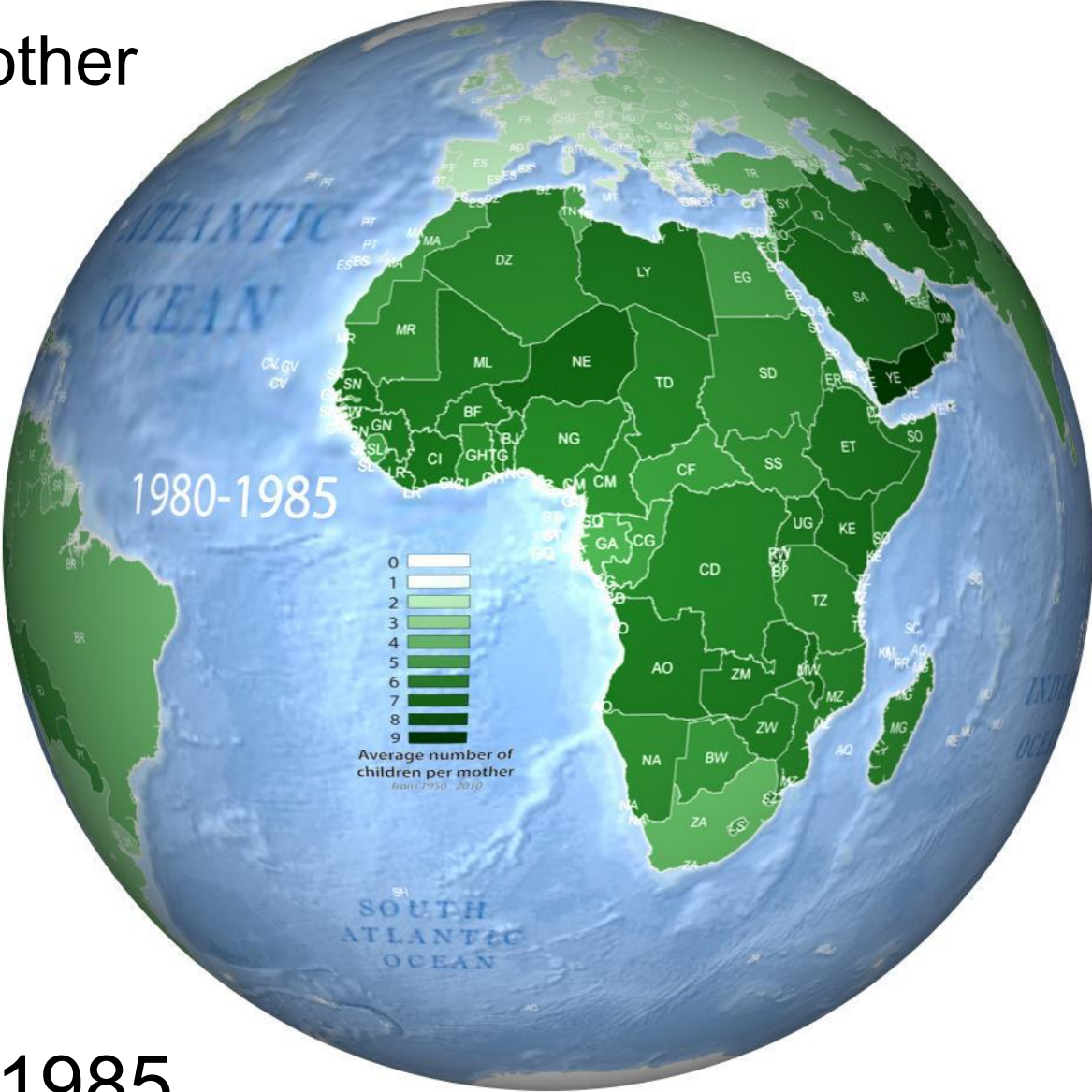
1960-1965

Babies per mother



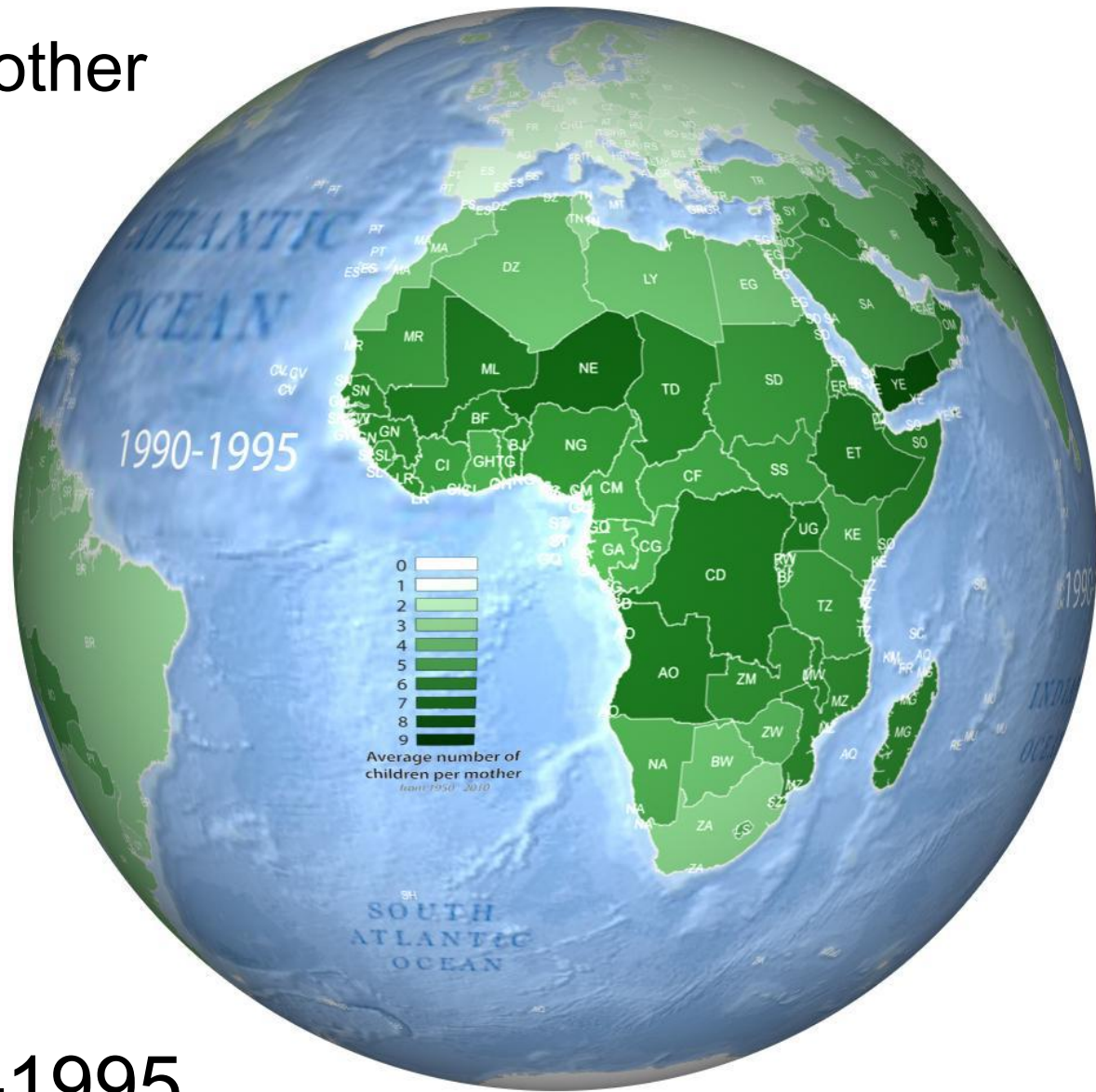
1970-1975

Babies per mother



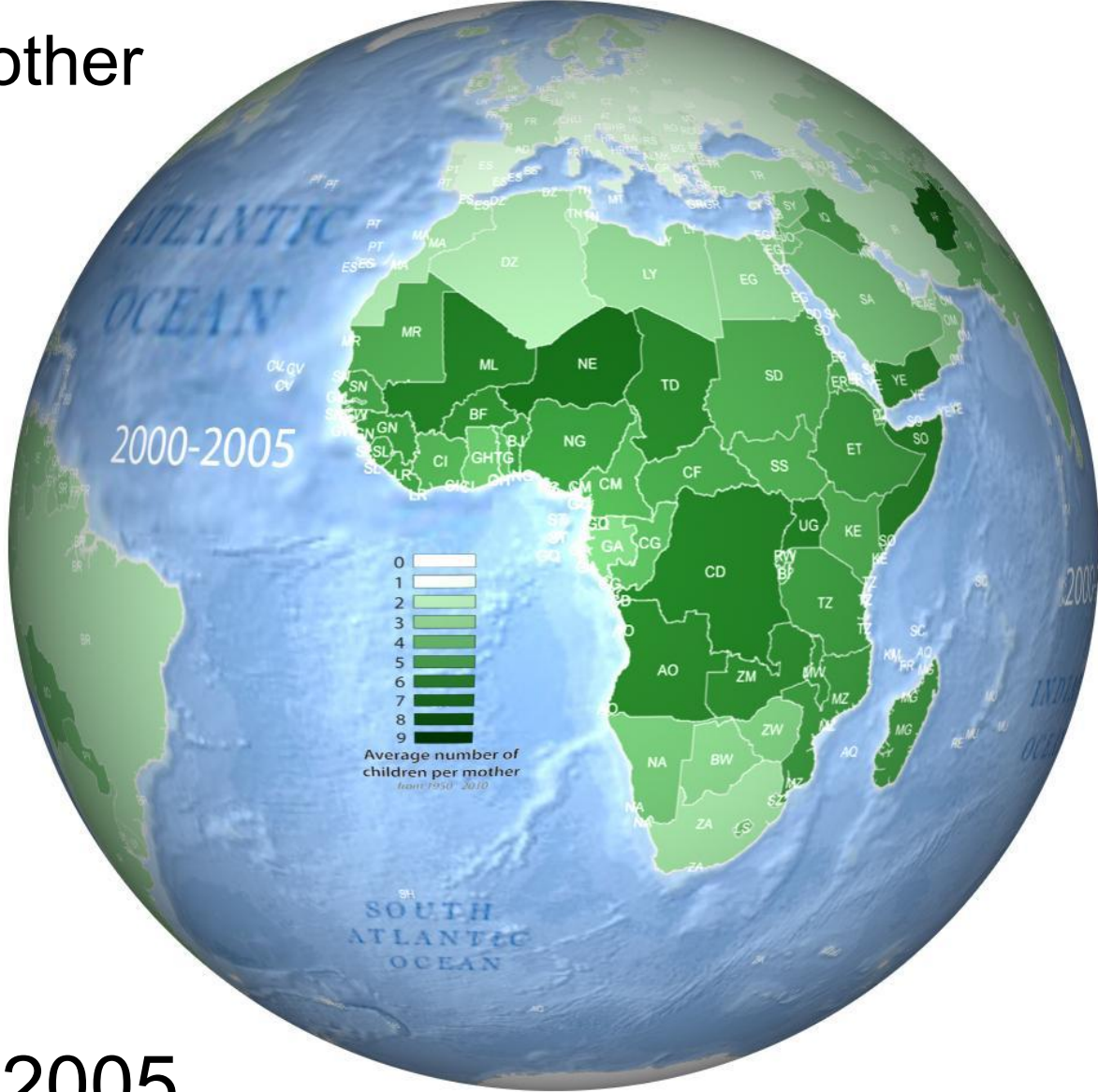
1980-1985

Babies per mother



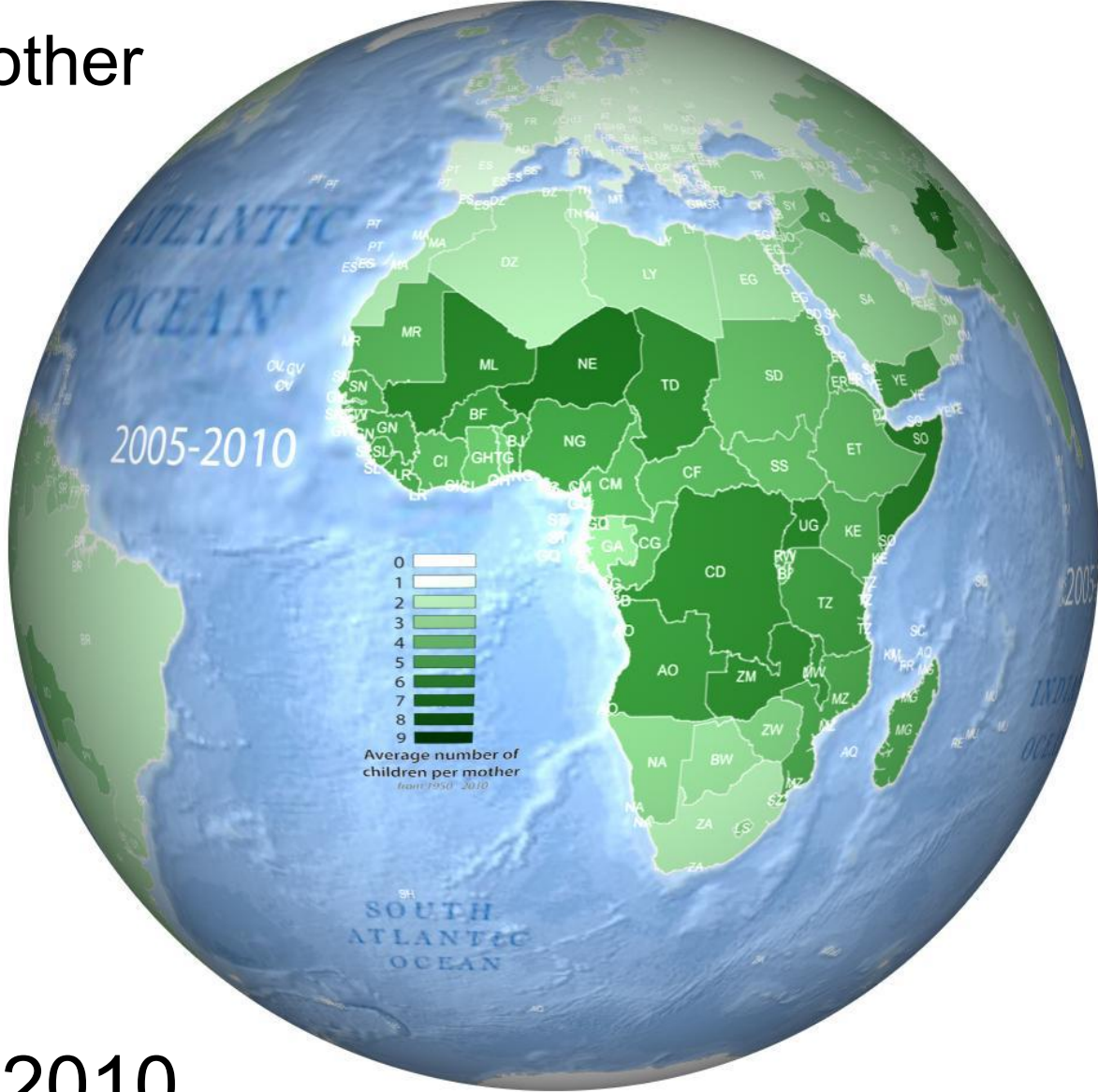
1990-1995

Babies per mother



2000-2005

Babies per mother



2005-2010



facebook

December 2010

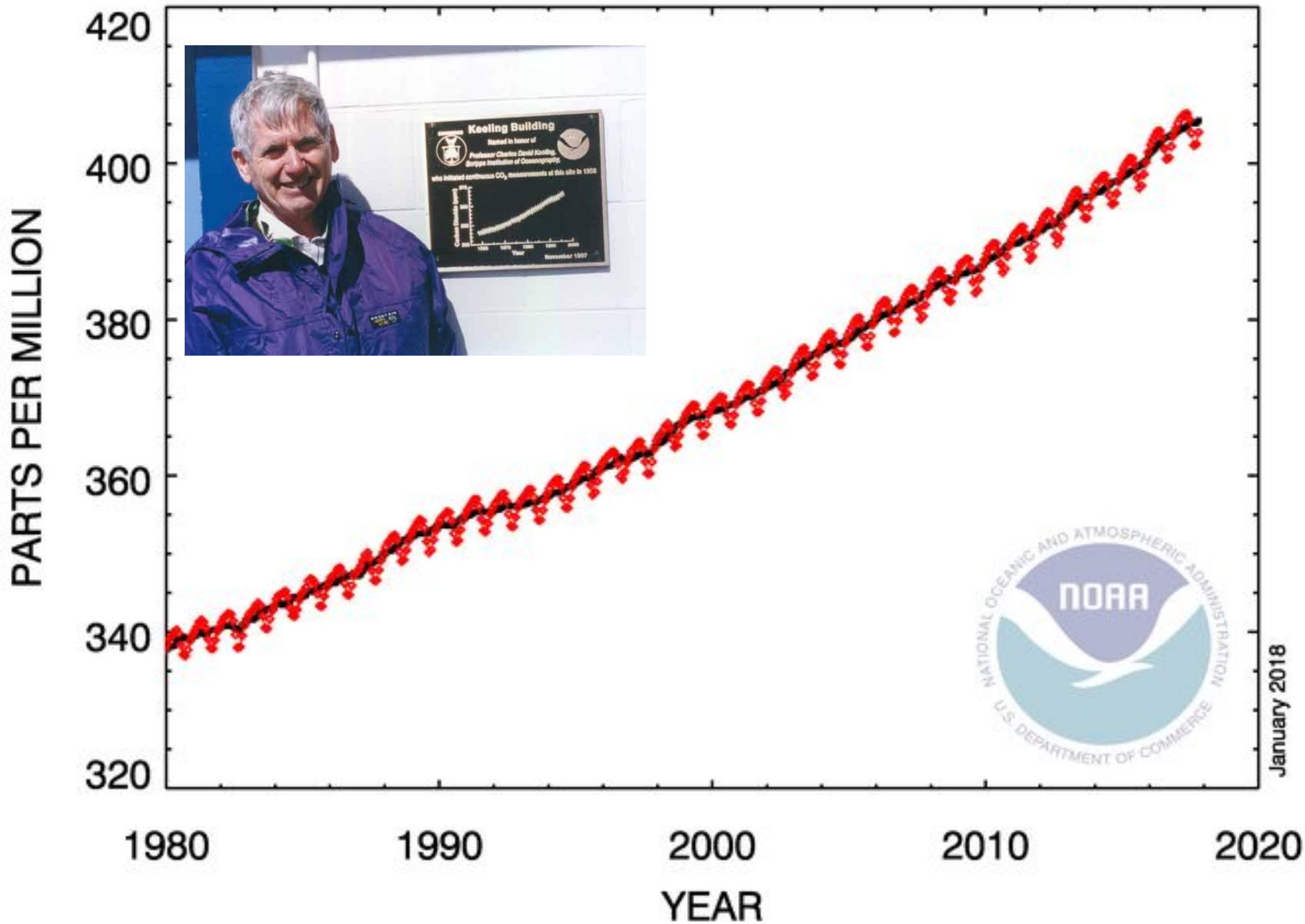


Be persistent in moving toward
the best possible future,
retaining flexibility as you go.

Putney Master Plan Dec. 2011



GLOBAL MONTHLY MEAN CO₂



January 2018