



Sources for the Having Kids Climate Impact infographic
available at HavingKids.org/climateimpact

POPULATION GROWTH

Global: The world will add as many as three billion more people by 2050 to the 7.6 billion here today. That's like adding more than the combined populations of Fort Worth, TX and San Francisco on average every week for more than 30 years!

- http://www.stanfordbusiness-online.com/stanfordbusiness/summer_2018?pg=15#pg15
- Current world pop 7.6B (<http://www.worldometers.info/world-population/>) About 260,000 more people on average every day over 31.5 years or 1.8MM per week using 3B.
- San Francisco - 884, 363: Fort Worth - 874,168
<https://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?src=bkml>

FARMED ANIMALS

70B farmed animals worldwide

<http://www.fao.org/faostat/en/#data/QL>

*With a growing population and per capita meat consumption also forecast to rise, **worldwide meat consumption is forecast to double by 2050.***

- <https://www.sciencedirect.com/science/article/pii/S221209631730027X>

Livestock represent 14.5% of greenhouse gas emissions.

- Gerber, P.J., Steinfeld, H., Henderson, B., Mottet, A., Opio, C., Dijkman, J., Falcucci, A. & Tempio, G. 2013. *Tackling climate change through livestock – A global assessment of emissions and mitigation opportunities.* Food and Agriculture Organization of the United Nations (FAO), Rome. <http://www.fao.org/3/a-i3437e.pdf>.

Agriculture already uses about half of liveable land. Greater need for food will result in more habitat loss for wildlife.

- <https://ourworldindata.org/wp-content/uploads/2013/10/Land-use-graphic-01-01-01.png>

EXTINCTION

The increasing human population has driven and will cause more animal and plant species to go extinct.

- Humans and the extinction crisis chart through 2010 (note that this includes plants)
https://www.biologicaldiversity.org/programs/population_and_sustainability/extinction/

Approximately 13,000 species each for animals and plants are threatened.

- Animals - 13,367
http://cmsdocs.s3.amazonaws.com/summarystats/2018-1_Summary_Stats_Page_Documents/2018_1_RL_Stats_Table_3a.pdf
- Plants - 12,781 -
http://cmsdocs.s3.amazonaws.com/summarystats/2018-1_Summary_Stats_Page_Documents/2018_1_RL_Stats_Table_3b.pdf

CLIMATE CHANGE

2017 was Earth's third-warmest year on record. Despite a La Nina weather phenomenon normally associate with lower temperatures.

Blunden, J., D. S. Arndt, and G. Hart eld , Eds., 2018: State of the Climate in 2017. Bull. Amer. Meteor. Soc., 99 (8), Si-S332, doi:10.1175/2018BAMSStateoftheClimate.1 summarized at

<https://weather.com/science/environment/news/2018-08-01-state-of-climate-report-2017-global-warming>

2014-2016 each set global temperature records.

- https://www.washingtonpost.com/news/energy-environment/wp/2017/01/18/u-s-scientists-officially-declare-2016-the-hottest-year-on-record-that-makes-three-in-a-row/?utm_term=.194afd9631e

Greenhouse gas emissions for 2050 have been forecast to be double 1990 levels.

- 1990-2010
<https://www.epa.gov/climate-indicators/climate-change-indicators-global-greenhouse-gas-emissions>
- Forecast from 2010 <https://www.oecd.org/env/cc/49082173.pdf>, pp. 13-14

ABILITY TO AFFECT CHANGE

Having one fewer child reduces greenhouse gasses each year more than 20 times as much as other environmental behaviors.

(includes savings from future generations not born)

- Uses Oregon State professor's calculations and updates with other data for other measures.
<https://www.theguardian.com/environment/2017/jul/12/want-to-fight-climate-change-have-fewer-children>

Fertility rates are trending down globally, suggesting people are receptive to change.

- <https://data.worldbank.org/indicator/SP.DYN.TFRT.IN> / <https://ourworldindata.org/fertility-rate>

32 million children born every year are unplanned.

- <https://ourworldindata.org/fertility-rate>

"To help a woman who has had five or six children and who doesn't want any more pregnancies - It's just pretty rewarding." - clinician in family planning study

- https://www.colorado.gov/pacific/sites/default/files/PSD_TitleX3_CFPI-Report.pdf, p. 34