



# 2017 Quartermaster's Report on the Status of Spaceship Earth

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Sarasota, FL

A Quartermaster's Report gives a snapshot of a ship's status at a point in time. This report is about the ship we all call home – Spaceship Earth. There are many components contributing to the status of Spaceship Earth. This report allows us to assess our individual viewpoints and assumptions about resource quantity, quality, and demand with that of Spaceship Earth's current operational capability, capacity, and actual status. The report is not about what is preferred or desired, *but what is*.

Tim Ramage, planetary ethicist and Chief Science Officer of ThisSpaceshipEarth.Org has researched and published this Quartermaster's Report. (Tim is also the co-author of the book *This Spaceship Earth* and the co-founder of the nonprofit based on the book.)

This Quartermaster's Report includes the following statistics and multi-year trends:

- Human Population Growth
- Global Temperature Trends
- Global Anthropogenic CO<sub>2</sub> Emissions
- Annual Average Atmospheric Concentrations of CO<sub>2</sub>
- Annual Earth Overshoot Date
- Global Resource Usage Footprint
- Identification and Measurement of All Greenhouse Gases
- Global Rate of CO<sub>2</sub> Emissions
- Danger of Growth in Natural Gas/Methane Use
- Global Rate of Ice Loss
- Coral Reef Status

- Rate of Soil and Arable Land Loss
- Plastics and Pollution in the Oceans
- Rate of Fishery Loss
- PCBs in Marine Mammals

Tim's synopsis of the current state of This Spaceship Earth:

“We continue to operate This Spaceship Earth in the ‘red zone.’ While CO<sub>2</sub> emissions appear to be stabilizing, we are accomplishing that feat by increasing our use of natural gas, which has a greater global warming potential than CO<sub>2</sub>. New studies and reports show how ubiquitous our pollutants are in the ocean, and they show the growing risk posed by plastic pollution in the marine environment. The rate of ice melt in both Greenland and Antarctica is increasing and putting coastal communities at great risk for sea level rise. We are creating greater potential risks through the loss of soil and coral reefs.”

Futurist David Houle is Tim's co-author and co-founder of the This Spaceship Earth nonprofit. David stated, “Tim's Quartermaster's Report uses facts and figures to state with certainty that humanity is barreling down an extremely dangerous road. This is a global problem and must be addressed globally. This is an ‘all hands on deck’ moment in history. We must all work together to avoid catastrophe.”

You can read the 2017 Quartermaster's Report here:

<https://thisspaceshipearth.org/explore/quartermasters-reports/>

The original Quartermaster's Report comprised Chapter Two of the book, *This Spaceship Earth*. To compare the two reports, and readily assess the rate of change, you can view/download the original report in the sidebar of: <https://thisspaceshipearth.org/explore/quartermasters-reports/>

Both Tim and David are available for interviews. Please contact Bob Leonard at 941-773-1754 or [bob@thisspaceshipearth.org](mailto:bob@thisspaceshipearth.org) to schedule.

This Spaceship Earth, Inc, is a 501 (c)(3) nonprofit corporation committed to creating crew consciousness on spaceship earth. It is the only climate change nonprofit founded by a futurist and a planetary ethicist. The organization evolved from the book “This Spaceship Earth” co-authored by Houle and Ramage.

<http://thisspaceshipearth.org/>

Facebook page: <https://www.facebook.com/thisspaceshipearth>

Twitter handle: @TSEarthCrew

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