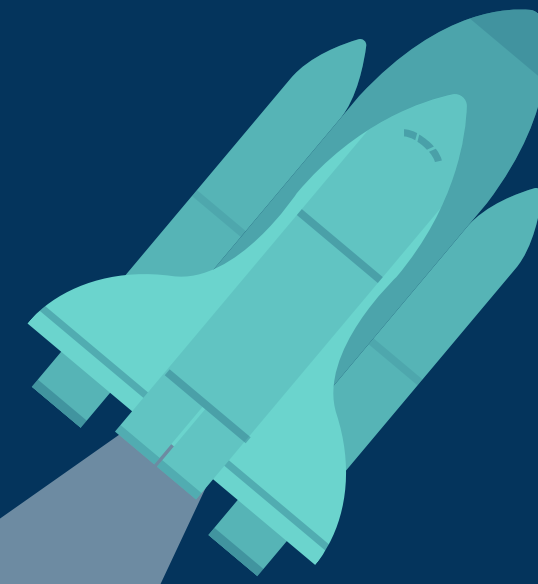
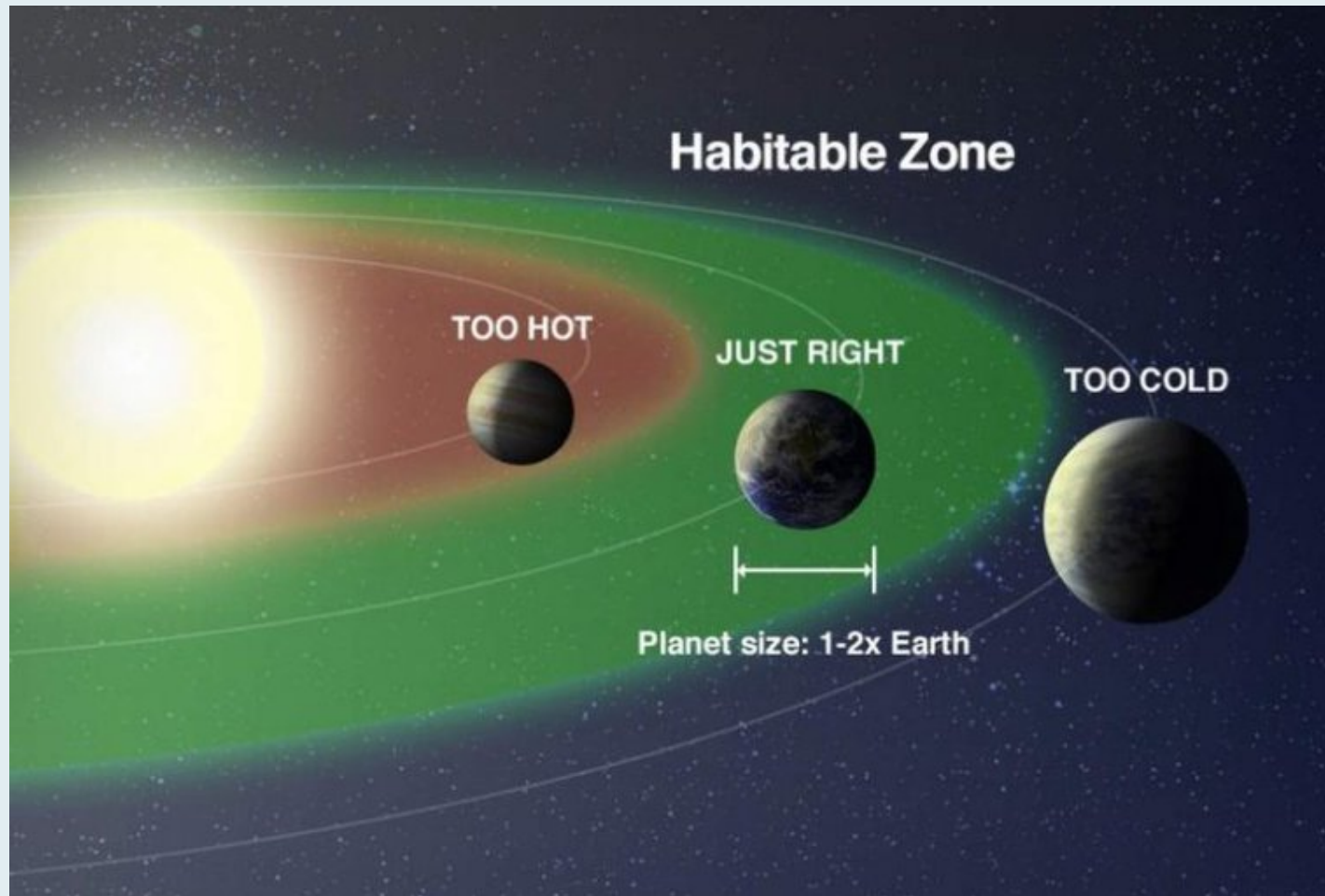


SPACE EXPLORATION WALKING DEBATE



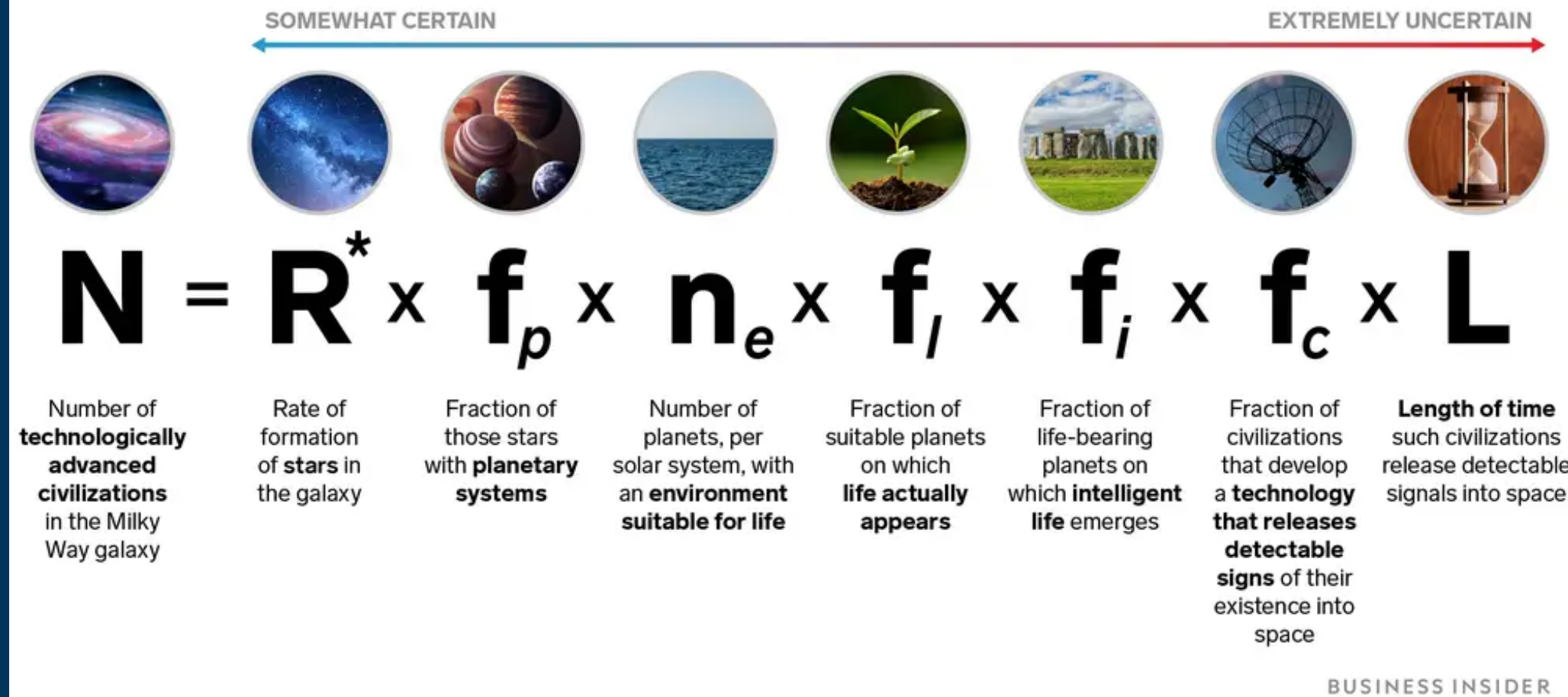


Alien Life Exists



Habitable Zone

Each star has a zone where liquid water could exist - an important ingredient for life to exist



Drake Equation

It is used to calculate the probability of making contact with extraterrestrial life.

**The government
should spend
money on
space exploration**



SOME FACTS



Ireland

Ireland mainly invests in space exploration through ESA (European Space Agency) €5 billion per annum



Irish Universities

Irish Space Exploration Research occurs around the country. UCD is currently creating technology that will be Ireland's first satellite in space (EIRSAT-1)



Other uses

The cost of providing homeless services in Dublin is expected to reach €213 million next year,



USA

NASA's budget for 2020 is \$22.6 billion but the US government has spent nearly \$650 billion since it began.

DIAS

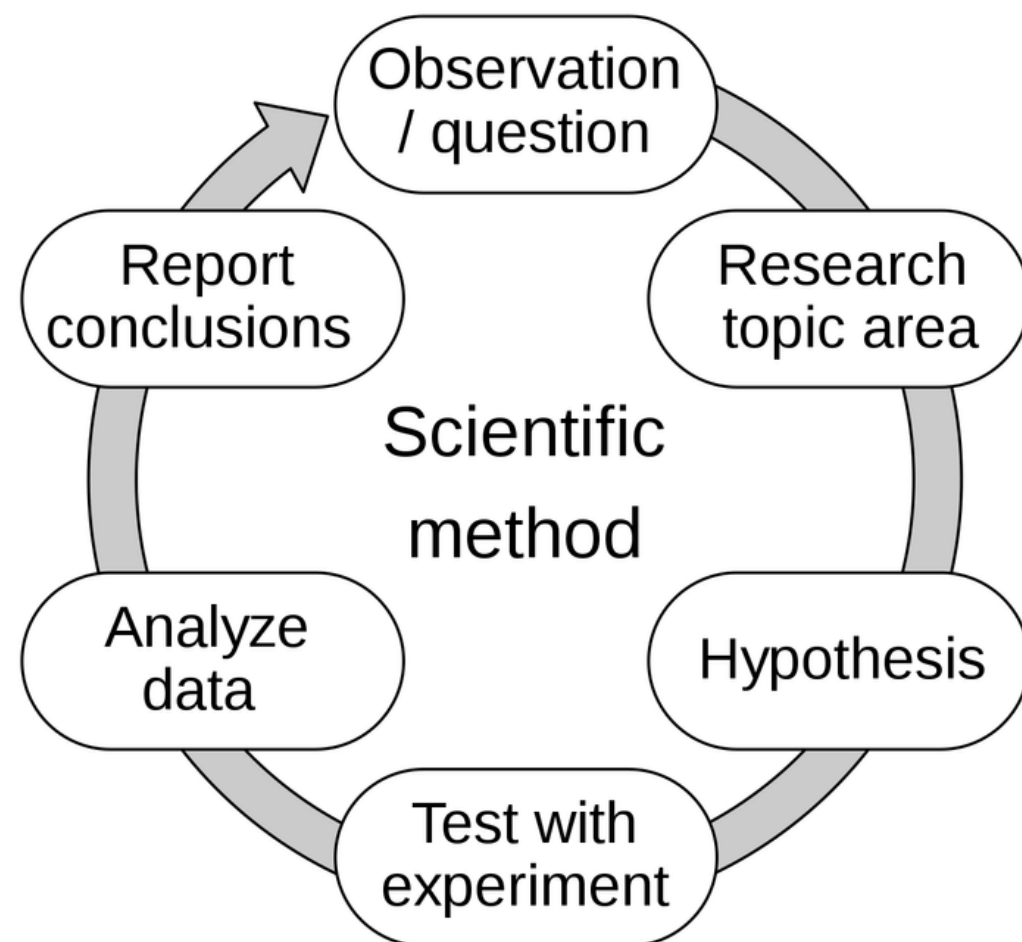


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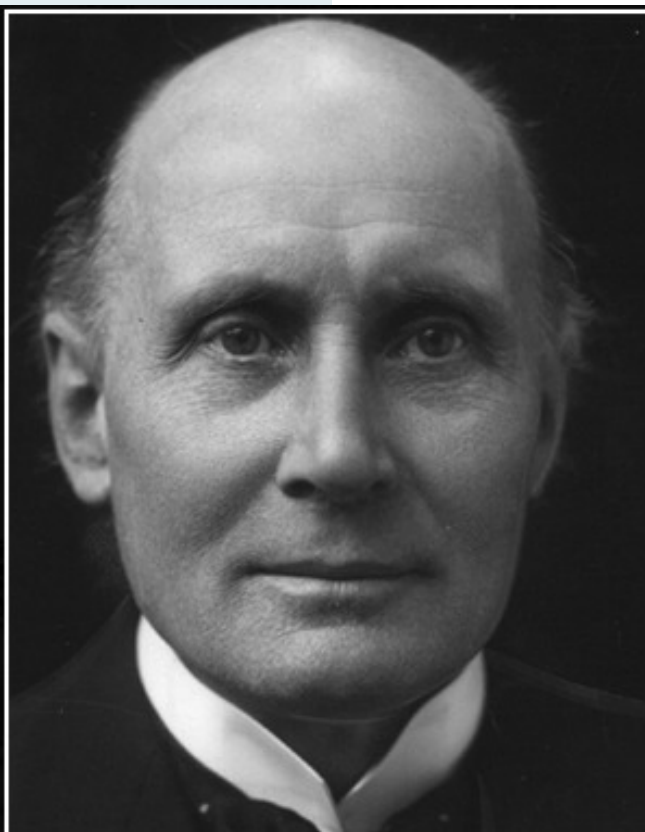
**'The Science'
is always
correct/true**





THE SCIENTIFIC METHOD

The scientific method is the process of objectively establishing facts through testing and experimentation. The basic process involves making an observation, forming a hypothesis, making a prediction, conducting an experiment and finally analyzing the results.



Seek simplicity, and distrust it.

— Alfred North Whitehead —

AZ QUOTES

SCIENTISTS MAKE MISTAKES

Einstein also didn't care for black holes he didn't think we could ever see it. "Of course, there is no hope of observing this phenomenon directly," he wrote in the abstract of the Science paper introducing gravitational lensing.



**Private space
travel should
be allowed**

DIAS

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Space Adventures, Ltd., caters to space tourists by buying space on the Russian Soyuz spacecraft. Right now, the cost of a seat is \$52 million.

Elon Musk is the estimated to be the wealthiest person in the world currently, and is CEO of SpaceX.

Billionaire Jared Isaacman's privately chartered from SpaceX and became the first crewed orbital mission with no professional astronauts on board. The flight, dubbed "Inspiration4," was named to commemorate the four-person crew and their associated "pillars" of support for St. Jude Children's Research Hospital in Memphis, Tennessee: leadership, hope, generosity and prosperity.

**I would like
to be an
astronaut**

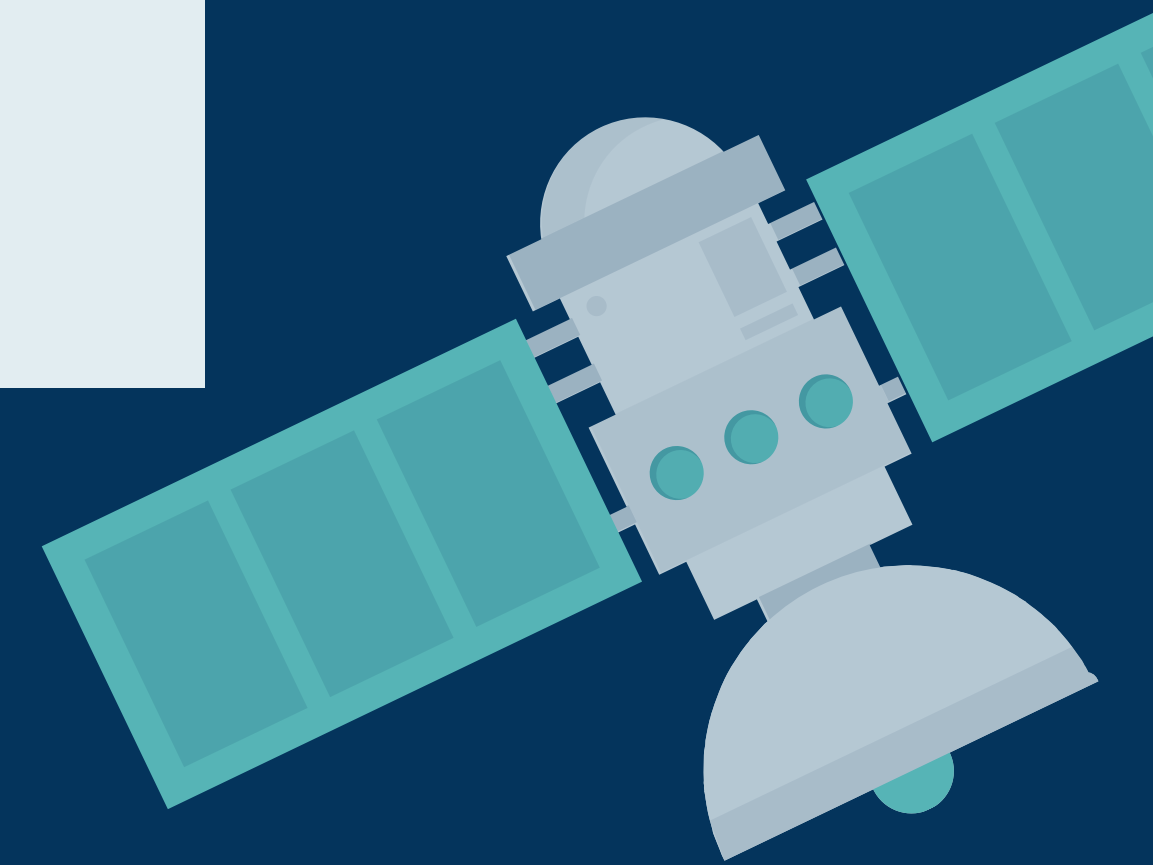


**“SPACEFLIGHT ISN'T JUST
ABOUT DOING
EXPERIMENTS, IT'S ABOUT
AN
EXTENSION OF HUMAN
CULTURE.”**

-- CHRIS HADFIELD

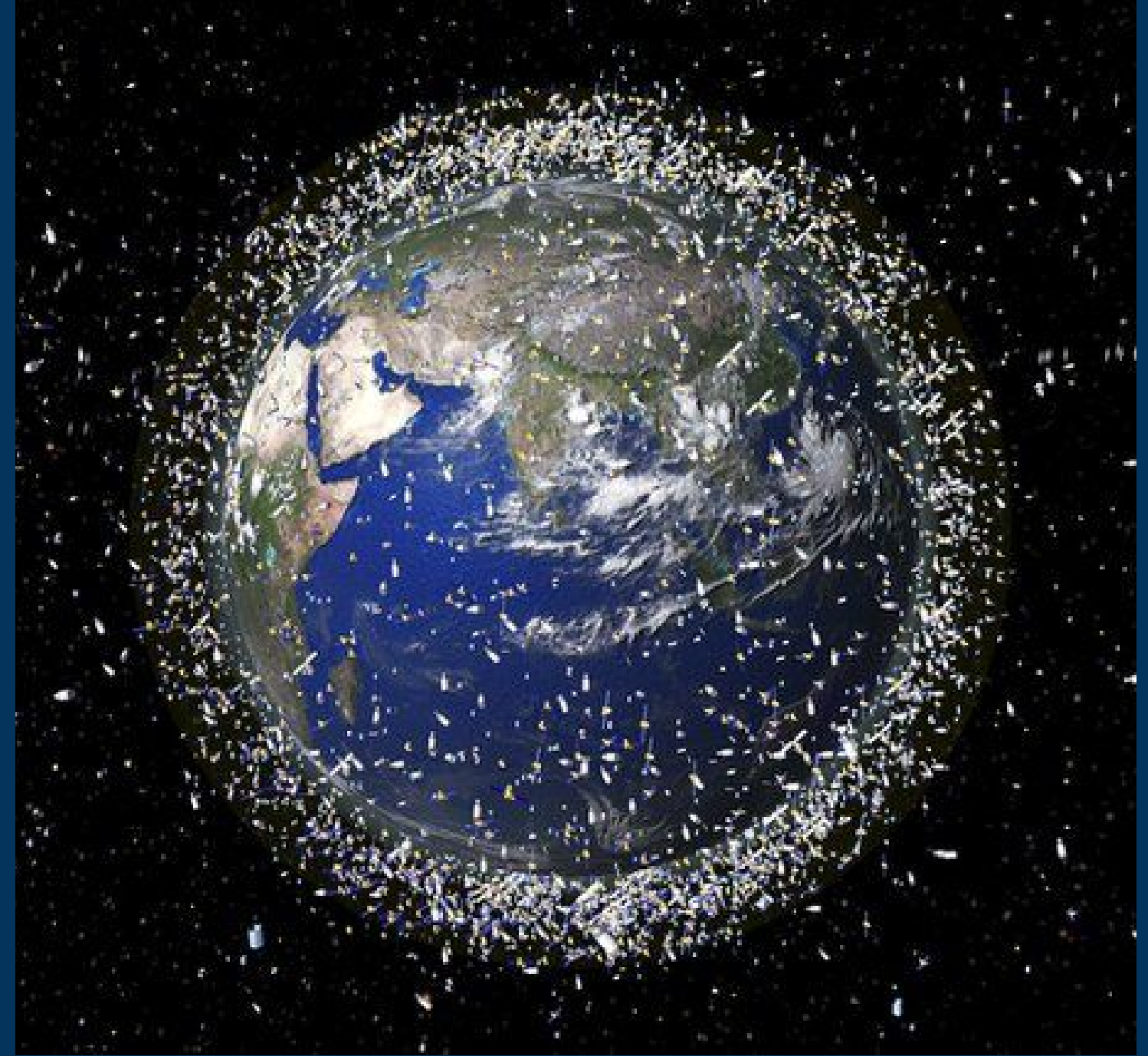


Is there a duty to protect the environment on other planets?



STAR TREK

General Order 1: "No starship may interfere with the normal development of any alien life or society."



SPACE DEBRIS

As of 2021, more than 27,000 pieces of space junk being tracked. There is much more debris, too small to be tracked, but large enough to threaten human spaceflight and robotic missions in the near-Earth space environment.