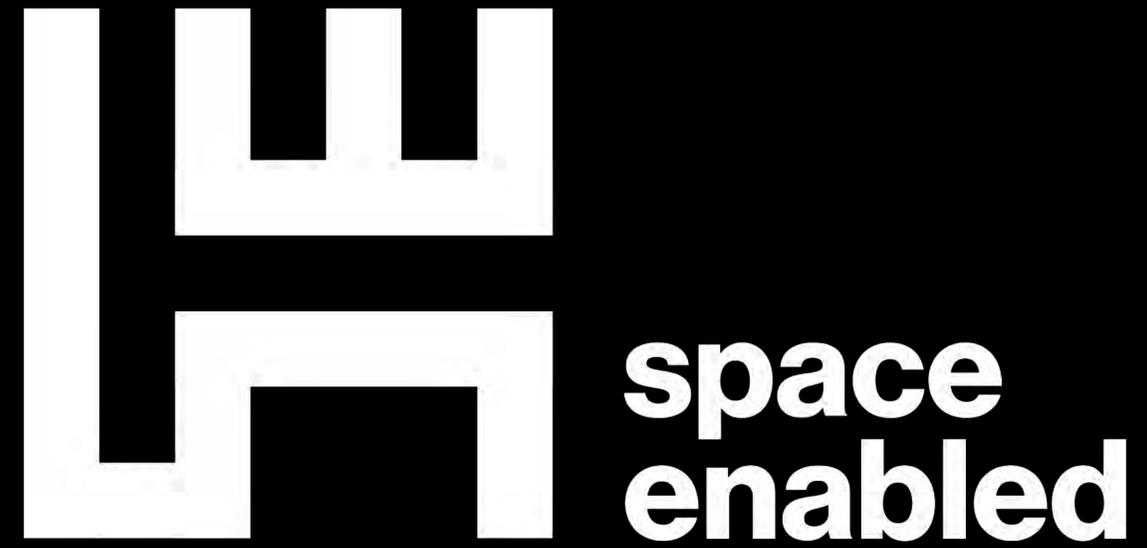


Space Technology Contributes to the Sustainable Development Goals

*Danielle Wood, PhD
Assistant Professor, MIT Media Lab
Director, Space Enabled Research Group*



Mission Statement:

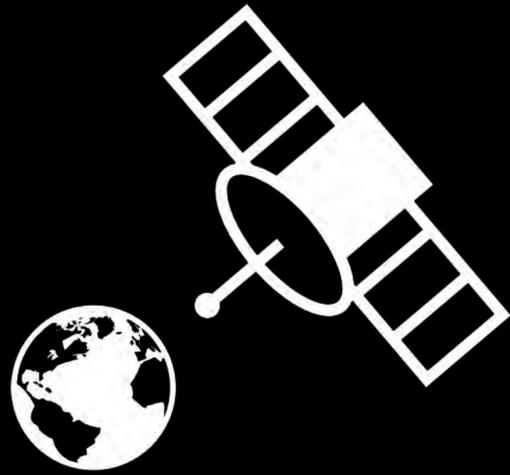
Advancing justice in Earth's complex systems using designs enabled by space

Space technology supports the global effort to reach the United Nations' Sustainable Development Goals



Advancing justice in Earth's complex systems using designs enabled by space

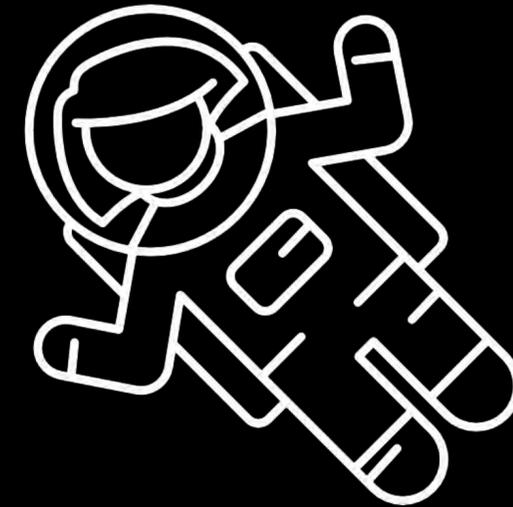
Six space technologies currently support the Sustainable Development Goals



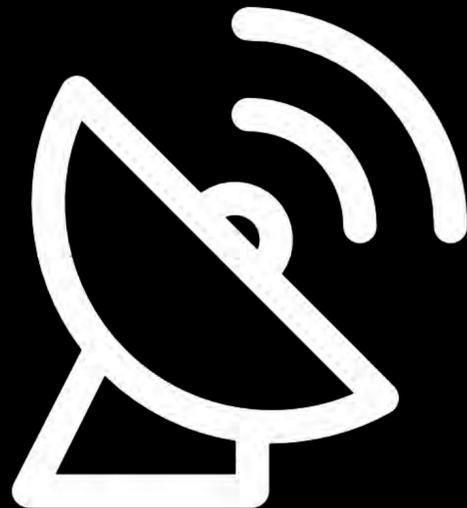
Satellite Earth
Observation



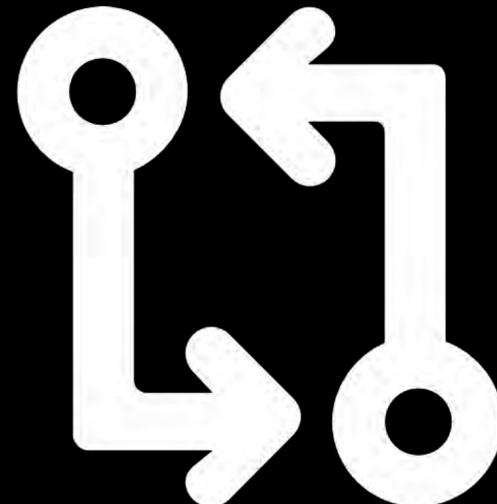
Satellite
Positioning
& Navigation



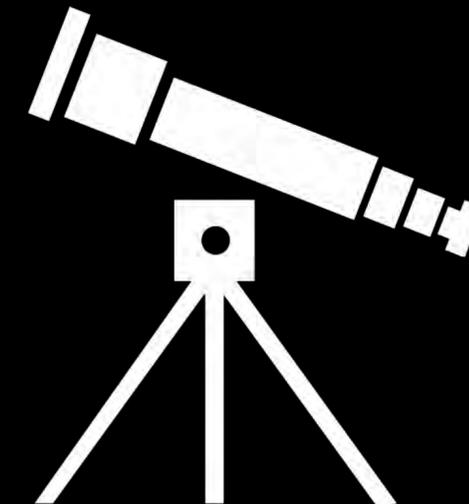
Human Space
Flight &
Microgravity
Research



Satellite
Communication

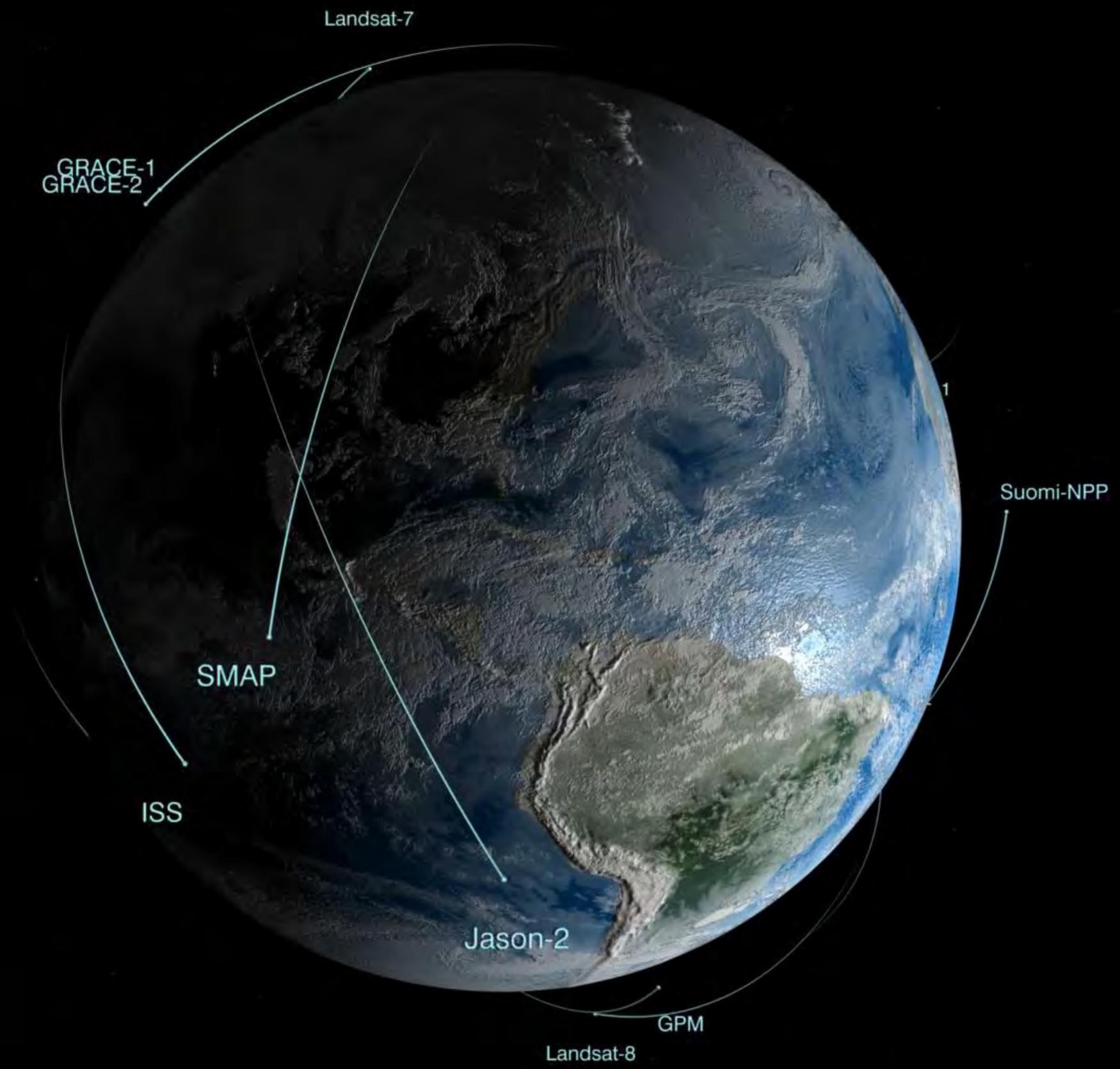


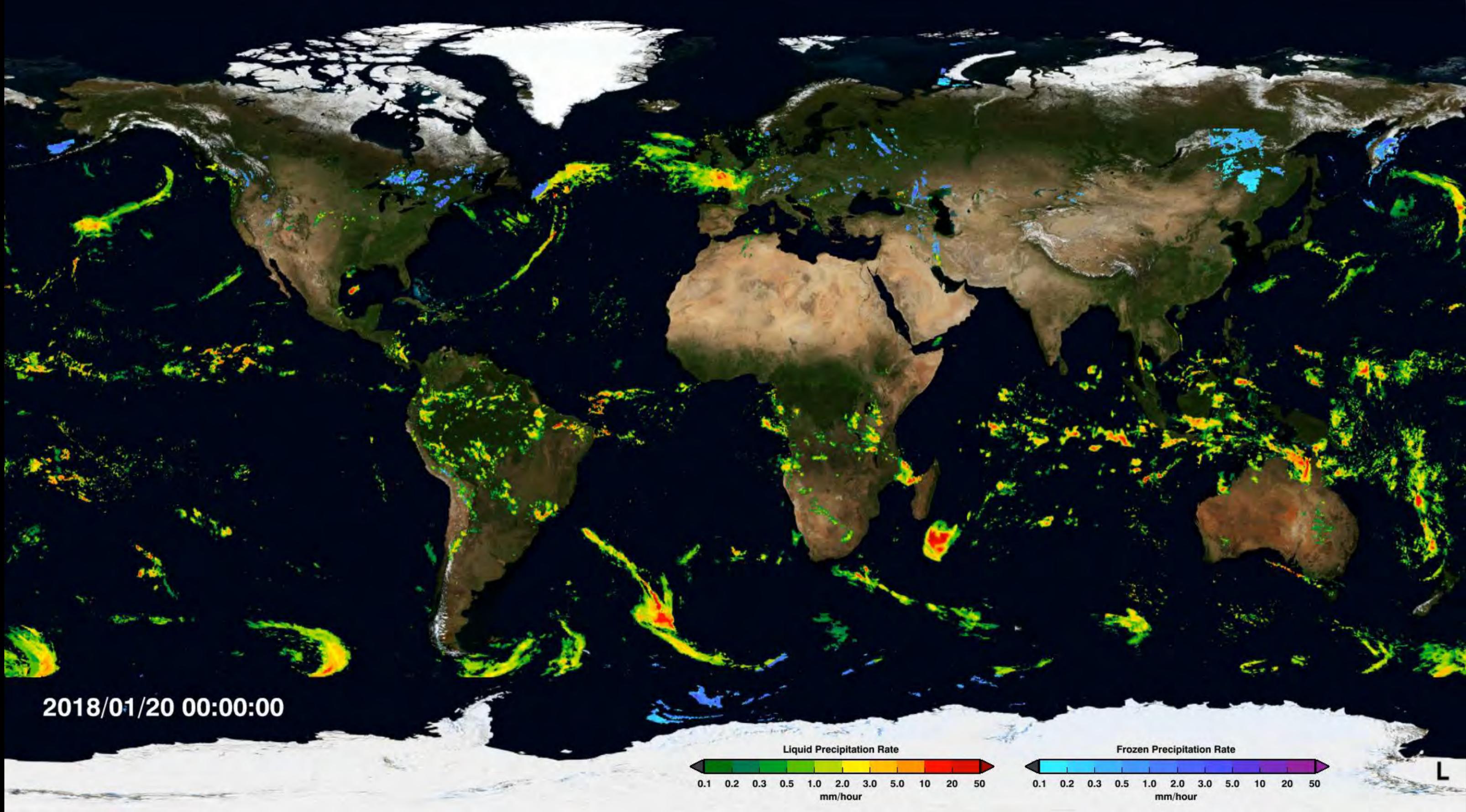
Space
Technology
Transfer

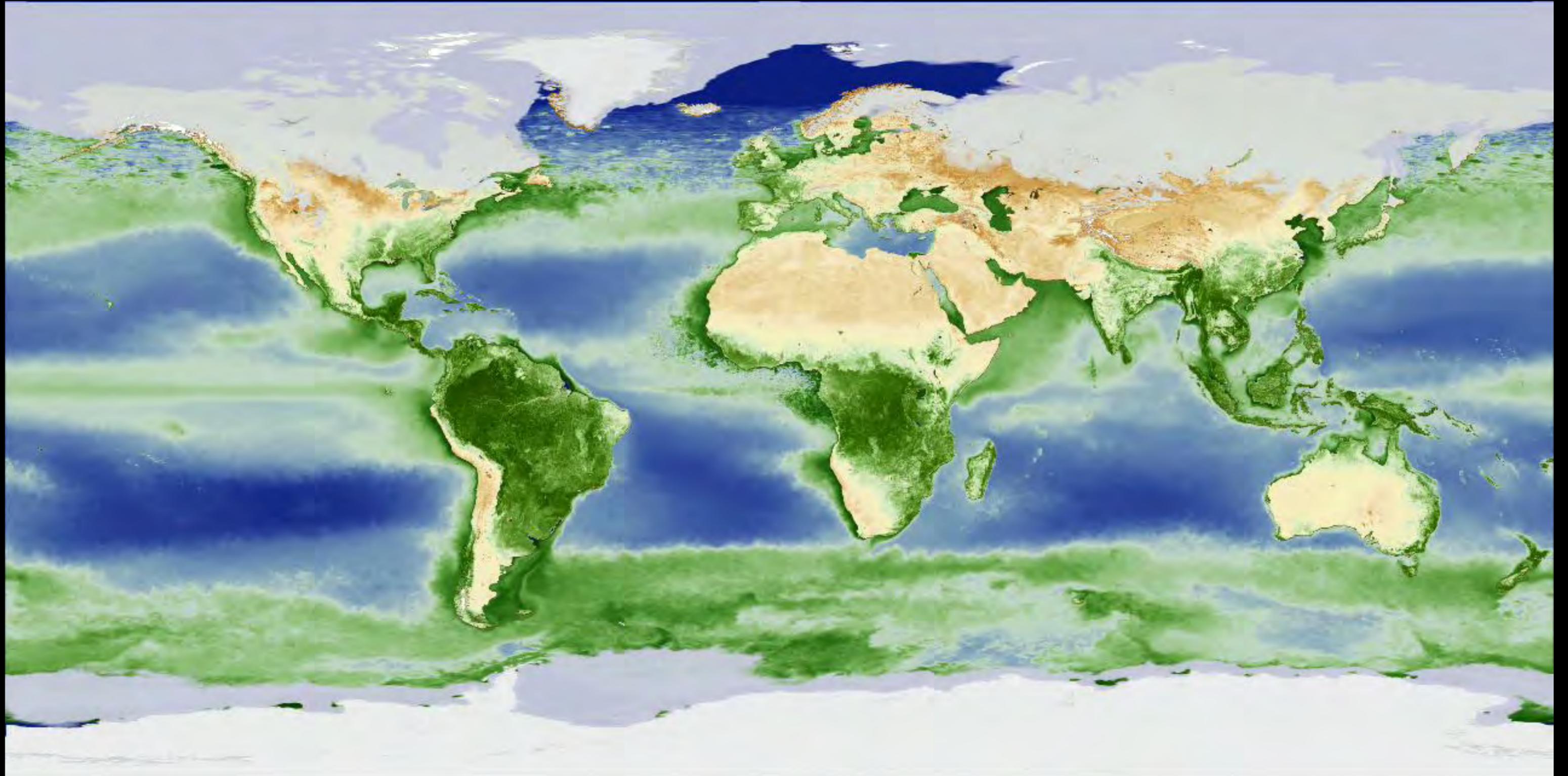


Inspiration
from
Research &
Education

Advancing justice in Earth's complex systems using designs enabled by space







Jan Dec

Land Vegetation (NDVI)

0.1 0.9

Ocean Chlorophyll Concentration (mg/m³)

0.01 0.1 1 10 20



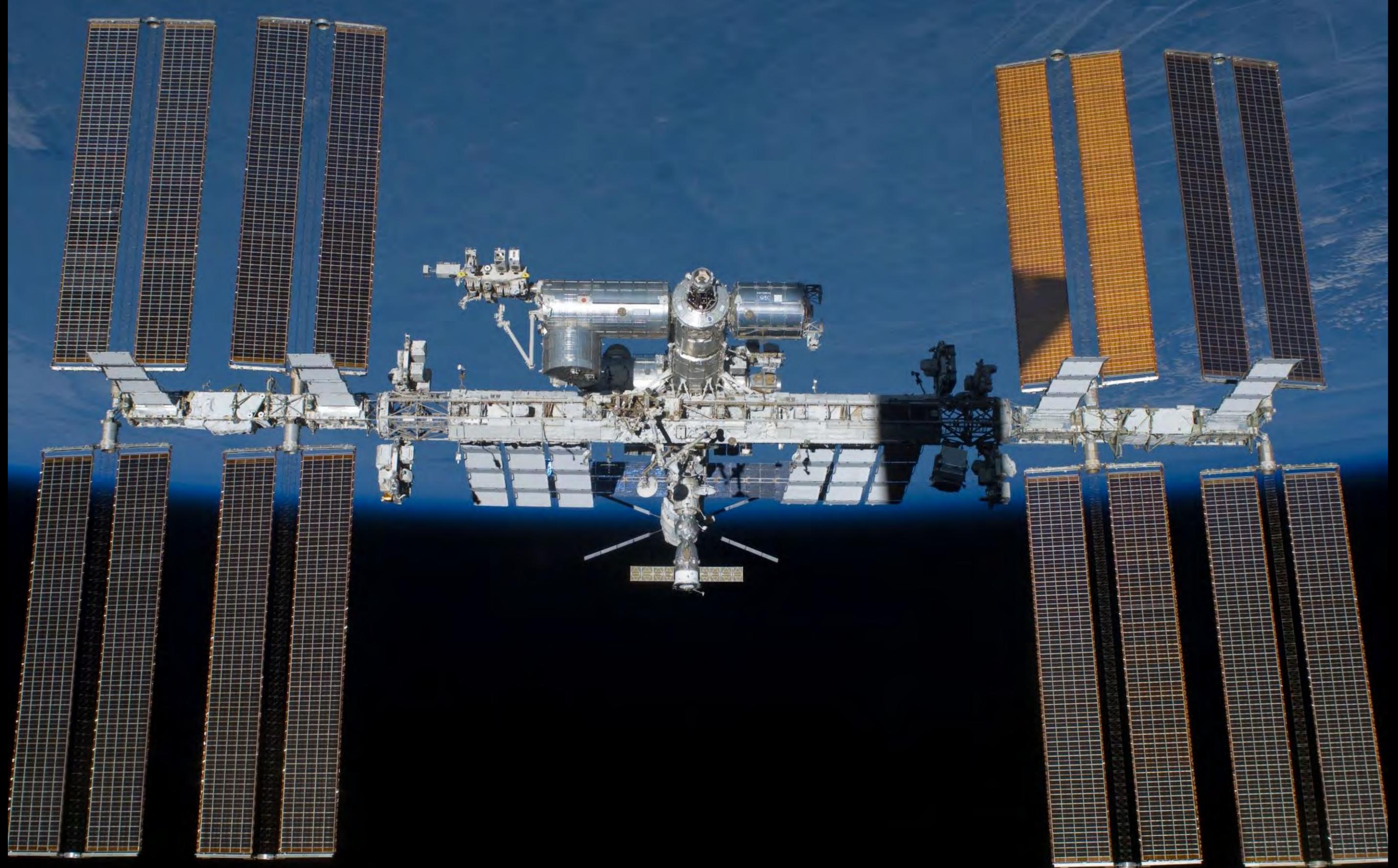


<http://journals.plos.org/plosmedicine/article?id=10.1371/journal.pmed.0030082>

3 GOOD HEALTH AND WELL-BEING









3 GOOD HEALTH AND WELL-BEING



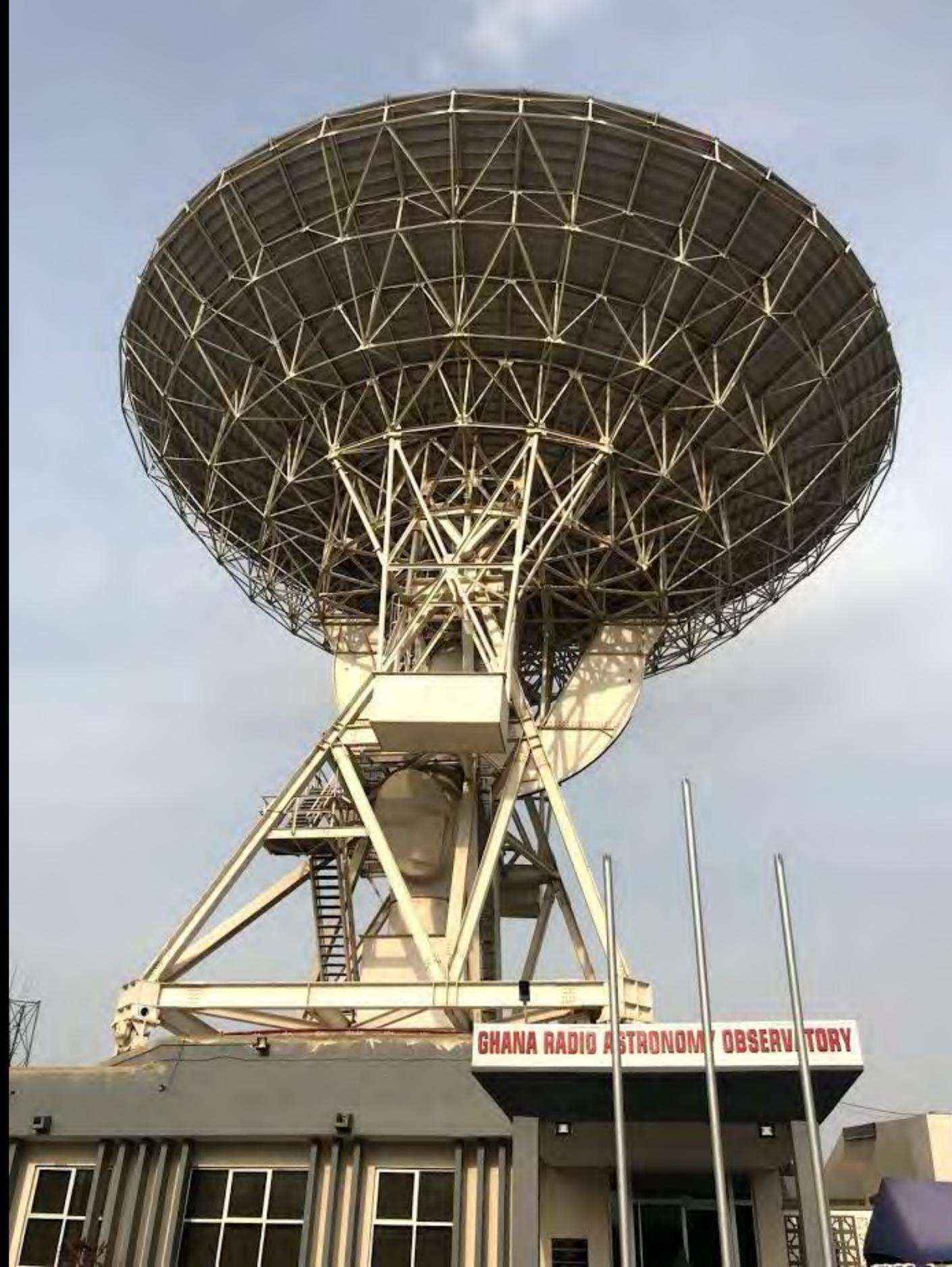


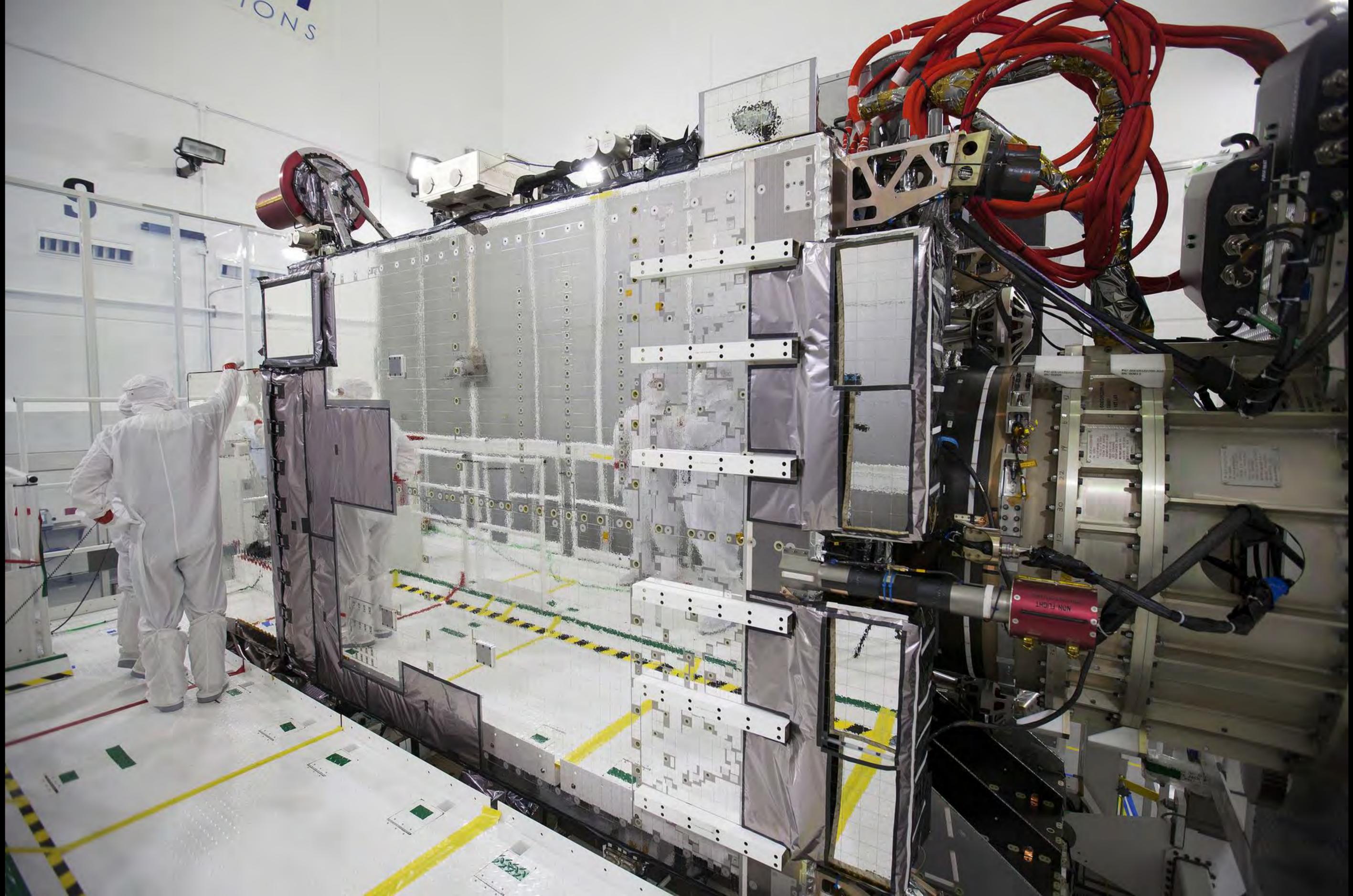
Source: NASA

6 CLEAN WATER
AND SANITATION



9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE









9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



Space Enabled applies the six Research Methods and the six Space Technologies in collaborative projects with organizations at four levels

Multilateral Organizations

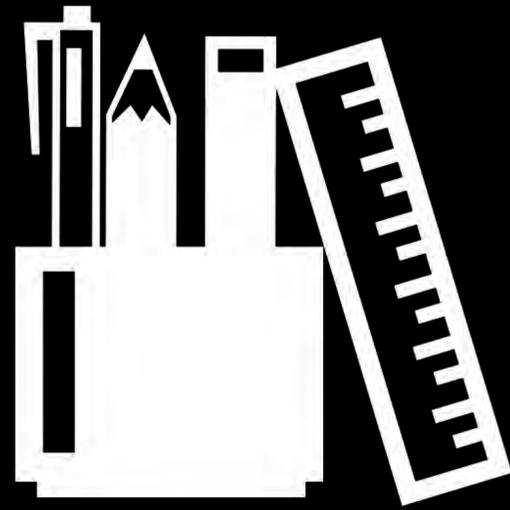
National Governments

Regional and City Governments

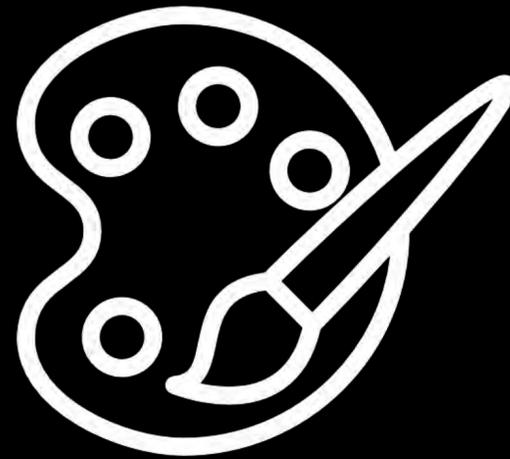
Universities, non-profits and companies

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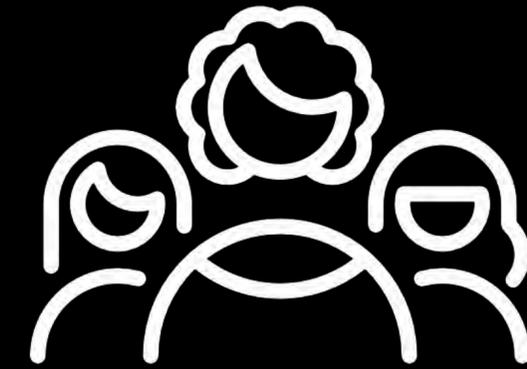
Space Enabled employs six research methods in support of the Sustainable Development Goals



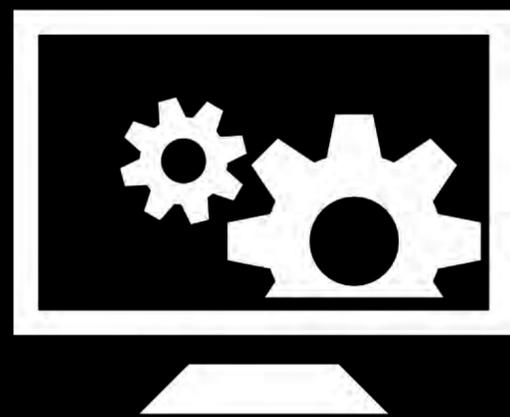
Design



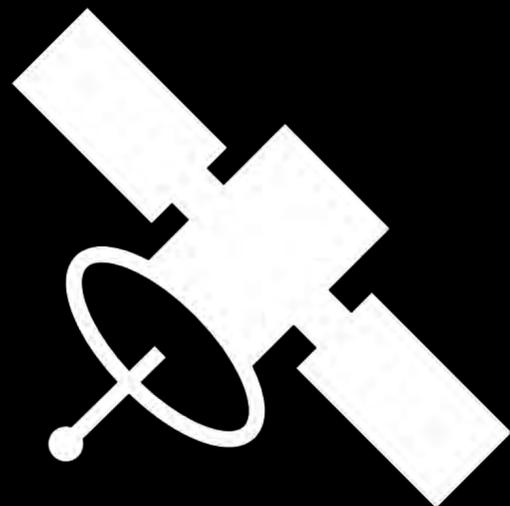
Art



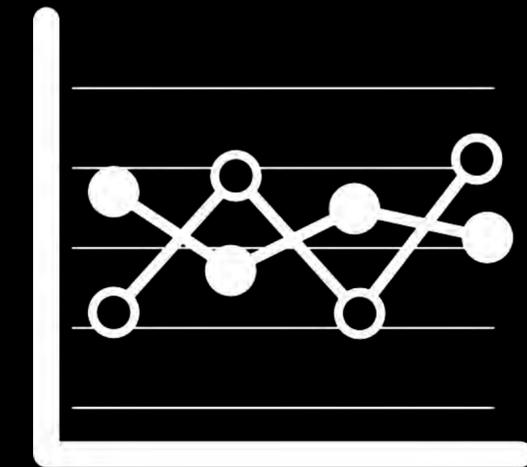
Social
Science



Complex
Systems
Modeling

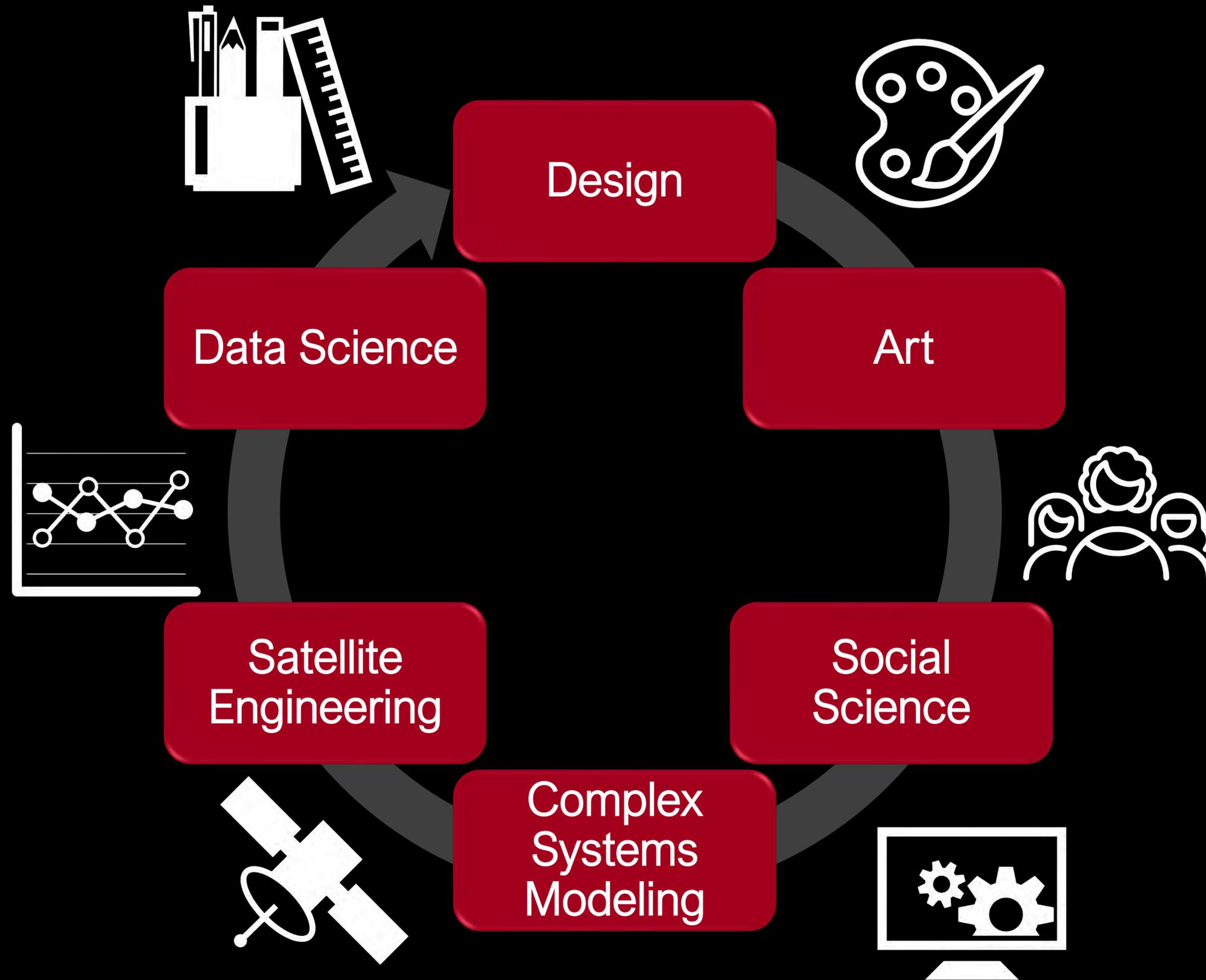


Satellite
Engineering



Data
Science

Advancing justice in Earth's complex systems using designs enabled by space



Applying the Space Enabled Design Cycle with Green Keeper Africa in Cotonou, Benin

Image Source: <https://freepik.com>

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Green Keeper
Africa

D'un fléau... une opportunité

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La jacinthe d'eau est
un véritable fléau au Bénin

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EXPOSITION

#60 SOLUTIONS

FACE AU
CHANGEMENT
CLIMATIQUE

5 juin - 4 juillet 2015
Institut Français du Bénin

ENTRÉE LIBRE

FONDATION
GOODPLANET



INSTITUT
FRANÇAIS

Advancing justice in Earth's complex systems using designs enabled by space



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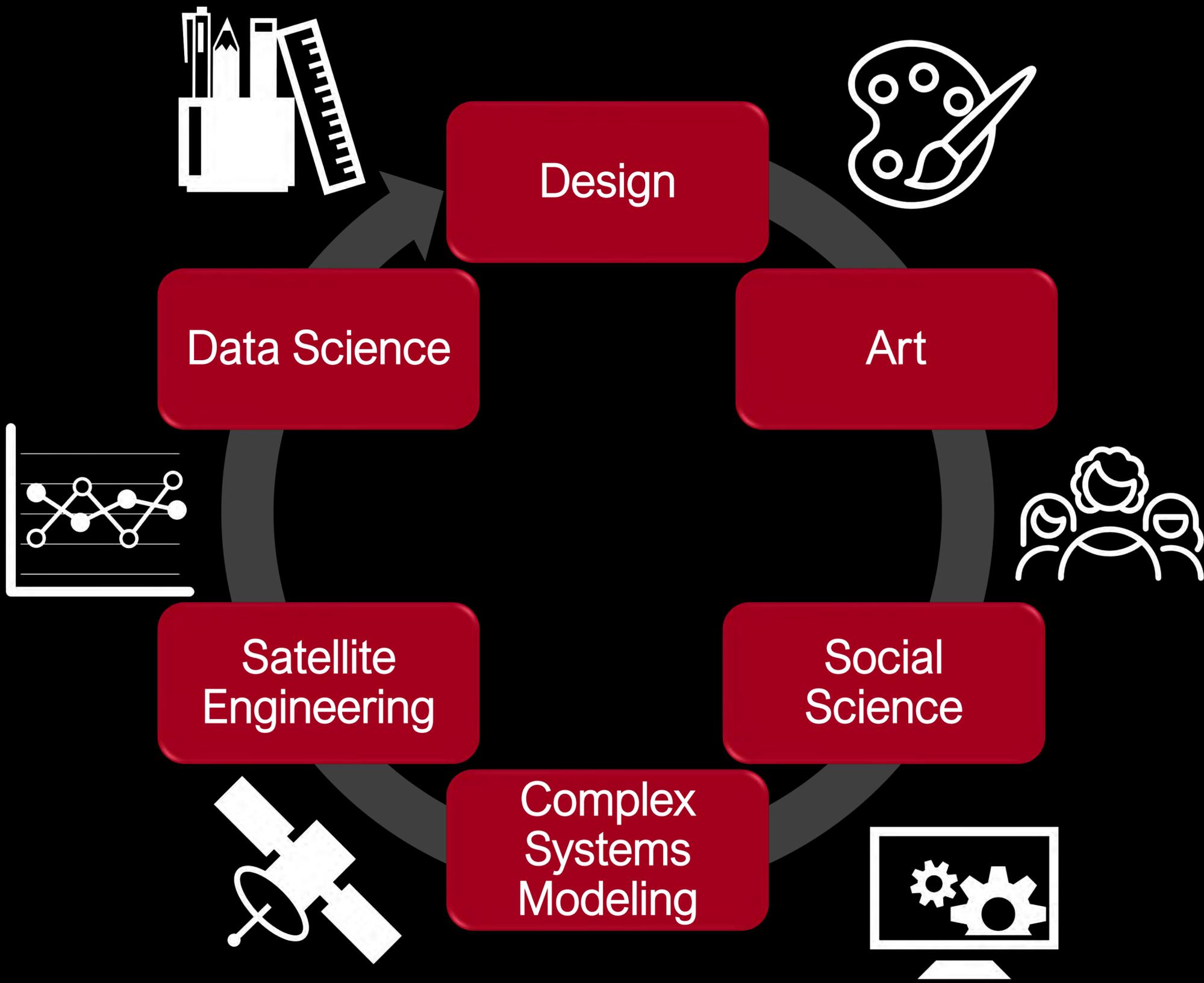


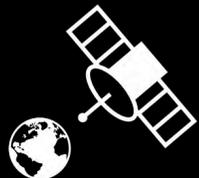
Advancing justice in Earth's complex systems using designs enabled by space



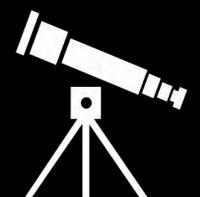
Advancing justice in Earth's complex systems using designs enabled by space

Applying the Space Enabled Design Cycle with Green Keeper Africa in Cotonou, Benin




Satellite Earth
Observation

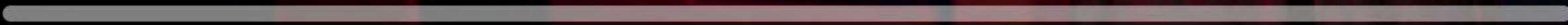

Satellite
Positioning
& Navigation


Inspiration
from Research
& Education

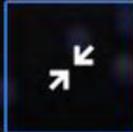

Human Space
Flight &
Microgravity
Research

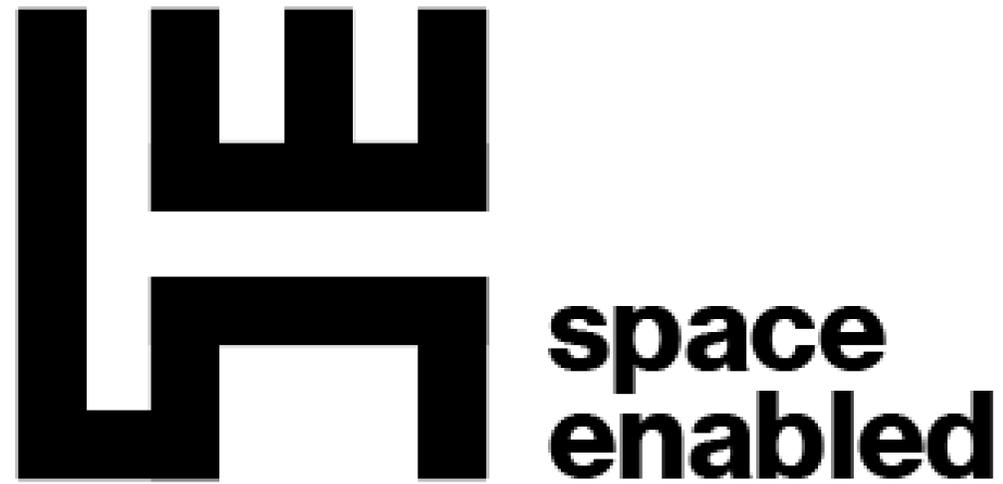
Advancing justice in Earth's complex systems using designs enabled by space

Image Source: <https://freepik.com>

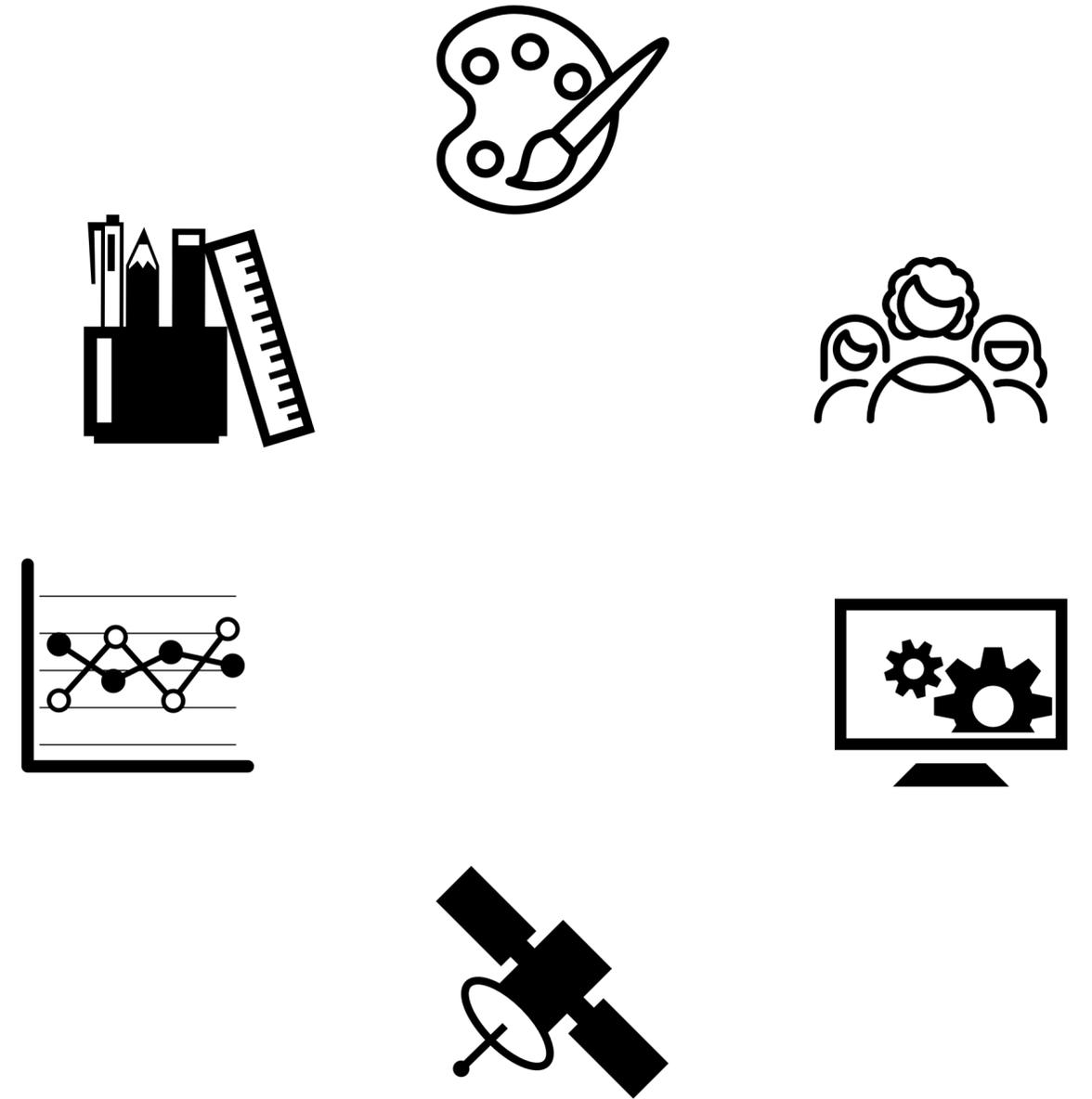


10:52





Advancing justice in Earth's complex systems
using designs enabled by space



Learn More: Watch Danielle Wood @ TEDNYC

https://www.ted.com/talks/danielle_wood_how_we_can_use_space_technology_to_improve_life_on_earth

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