How to talk climate on the Sphere

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Wrong Side.  Right Side.

Weather is your Mood
Climate is your Personality.
Consensus among climate scientists worldwide

“The size of this warming is broadly consistent with prediction of climate models, but it is also of the same magnitude as natural climate variability.”
—IPCC First Assessment Report, 1990

“The balance of evidence suggests that there is a discernable human influence on global climate.”
—IPCC Second Assessment Report, 1995

“Most of the observed warming over the last 50 years is likely to have been due to the increase in greenhouse gas concentrations.”
—IPCC Third Assessment Report, 2001

“Most of the observed increase in globally averaged temperatures since the mid-20th century is very likely (>90% probability) due to the observed increase in anthropogenic greenhouse gas concentrations.”
—IPCC Fourth Assessment Report, 2007

“Scientists are more certain than ever—95% certain—that most of the warming since 1950 has been caused by humans.”
—IPCC Fifth Assessment Report, 2013
Ten signs that our world is warming

- Air Temperature over Ocean
- Humidity
- Arctic Sea Ice
- Snow
- Temperature of the Lower Atmosphere
- Glaciers
- Ocean Heat Content
- Global Sea Level
- Sea Surface Temperature
- Air Temperature over Land
Climate change is happening.
It’s us.
It’s a problem.
We can fix it.
Looking back
Looking forward
Making connections
Human influence on environment

Dams/reservoirs

Population

Nighttime lights

Blue Marble
Resources
Climate.gov
News & Features
Maps & Data
Teaching Climate
Climate Resilience Toolkit

Meet the Challenges of a Changing Climate
Find information and tools to help you understand and address your climate risks.

LEARN HOW TO BUILD RESILIENCE
SEE WHAT OTHERS ARE DOING
USE THE CLIMATE EXPLORER
TOUR THE TOOLKIT
THE CLIMATE EXPLORER

Explore graphs and maps of historical and projected climate variables for any county in the contiguous United States.

crt-climate-explorer.nemac.org
FOURTH NATIONAL CLIMATE ASSESSMENT

Volume II: Impacts, Risks, and Adaptation in the United States

The National Climate Assessment (NCA) assesses the science of climate change and variability and its impacts across the United States, now and throughout this century.

Volume I presents an assessment of the physical science underlying this report: science2017.globalchange.gov
Now let’s discuss stuff!

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