International Agencies

- World Meteorological Organization (https://www.wmo.int/pages/index_en.html)
- WMO Regional Climate Centers (http://www.wmo.int/pages/prog/wcp/wcasp/rcc/rcc.php)
- World Air Quality Index (http://waqi.info)
- International Research Institute for Climate and Society (https://iri.columbia.edu/)
- Climate Research Institute (http://www.cru.uea.ac.uk)
- Australia Bureau of Meteorology (http://www.bom.gov.au)
- Cooperative Institute for Meteorological Studies (http://cimss.ssec.wisc.edu)

U.S. Agencies

National Centers for Environmental prediction (https://www.ncep.noaa.gov)

- Aviation Weather Center (https://aviationweather.gov
- Climate Prediction Center (http://www.cpc.noaa.gov)
- Environmental Modeling Center (http://www.emc.ncep.noaa.gov)
- National Hurricane Center (www.nhc.noaa.gov)
- Ocean Prediction Center (http://www.opc.ncep.noaa.gov)
- Space Weather Prediction Center (https://www.swpc.noaa.gov)
- Storm Prediction Center (www.spc.noaa.gov)
- Weather Prediction Center (www.wpc.ncep.noaa.gov)

National Oceanic and Atmospheric Administration (https://noaa.gov)
National Centers for Environmental Prediction (https://www.ngdc.noaa.gov)
Formerly National Geophysical Data Center and National Climate Data Center
National Severe Storms Laboratory (http://www.nssl.noaa.gov/)
National Snow and Ice Data Center (http://nsidc.org/)
National Operational Hydrologic Remote Sensing Center (www.nohrsc.noaa.gov)
National Drought Mitigation Center (https://drought.unl.edu/)
National Environmental Satellite, Data, & Information Service (https://www.nesdis.noaa.gov/)
Office of Water Prediction (http://water.noaa.gov/)

Climate

- NOAA Climate https://climate.nasa.gov/
- National Climate Assessment (https://www.globalchange.gov/nca4)
- Virginia Climate Summary (https://statesummaries.ncics.org/va#)
- Southeast Regional Climate Center (https://sercc.com/)
- PRISM Climate Group (http://prism.oregonstate.edu/)
- Cooperative Institute for Research in Environmental Sciences (https://cires.colorado.edu)
- Intergovernmental Panel on Climate Change (https://www.ipcc.ch)
- Carbon Dioxide Monitoring (https://www.esrl.noaa.gov/gmd/ccgg/trends/)

Individuals

- Dr. Marshall Shepherd (@DrShepherd2013)
- Dr. Kathie Dello (@KathieDello)
- Dr. Jeremy Hoffman (@jer_science)
- Dakota Smith (@weatherdak)
- Capital Weather Gang (@capitalweather)
- Dr. David Titley (@dwtitley)
- Dr. Gavin Schmidt (@ClimateOfGavin)
- Dr. Katharine Hayhoe (@KHayhoe)
- Dr. Kim Nicholas (@KA_Nicholas)
- Dr. Andrew Dessler (@AndrewDessler)
- Dr. John Cook (@Johnfocook)

Dr. Jonathan Overpeck (@TucsonPeck)
Dr. Michael Ventrice (@MJVentrice)
Dr. Daniel Swain (Weather_West)
Dan Satterfield (@wildweatherdan)
Dr. Stephen Strader (@StephenMStrader)

Weather Forecasting

- National Weather Service – Wakefield (https://www.weather.gov/akq)
- European Centre for Medium-Range Weather Forecasting (http://www.ecmwf.int)
- NOAA Geostationary Satellite Server (https://www.goes.noaa.gov)
- College of Dupage Weather (https://weather.cod.edu)
- Plymouth State Weather Center (https://vortex.plymouth.edu)
- Wyoming Weather Web (http://weather.uwyo.edu)
- Penn State Ewall (http://mp1.met.psu.edu/~fxg1/ewall.html)
- Mike's Weather Page (http://www.spaghettimodels.com)
- Weather Underground (https://www.wunderground.com)
- Tropical Tidbits (https://www.tropicaltidbits.com)
- WXShift (http://wxshift.com)
- Earthschool.net (http://earth.nullschool.net)
- Intellicast (http://www.intellicast.com/)

Other

- Climate Resilience Toolkit (http://toolkit.climate.gov)
- North Carolina Climate Office (http://climate.ncsu.edu)
- University Corporation for Atmospheric Research (https://www.ucar.edu)
- National Center for Atmospheric Research (https://ncar.ucar.edu)

- Yale Program on Climate Change (http://climatecommunication.yale.edu/)
- The Center for Climate and Security (https://climateandsecurity.org)
- Old Weather (https://arctic.oldweather.org/#/)
- Southern weather discovery (www.southernweatherdiscovery.org)
- Columbia Sabin Center for Climate Change Law (http://columbiaclimatelaw.com)

Data

- NOAA Daily Weather Maps (Historic): https://library.noaa.gov/Collections/Digital-Collections/US-Daily-Weather-Maps
- NOAA Geostationary Satellite Server (https://www.goes.noaa.gov)
- GIS and Climate Change Scenarios (https://gisclimatechange.ucar.edu/)
- National Data Buoy Center (http://www.ndbc.noaa.gov)
- Spatial Analysis for Conservation & Sustainability (http://silvis.forest.wisc.edu)
- GOES-R (https://www.goes-r.gov/)
- Global Historical Climatology Network (GHCN)
- Climate Reanalyzer (https://climatereanalyzer.org)
- ThreadEx (http://threadex.rcc-acis.org/)
- NCEP/NCAR Reanalysis Data: https://rda.ucar.edu/datasets/ds090.1/

Data Project links

• Storm Surge: https://www.nhc.noaa.gov/nationalsurge/
• Land Cover Atlas: https://coast.noaa.gov/digitalcoast/tools/lca •
FEMA Historical Floods: https://www.fema.gov/data-visualization-floodsdata-visualization •
NCEI: https://www.ncdc.noaa.gov/data-access
Daily Weather Maps: https://www.wpc.ncep.noaa.gov/dwm/dwm.shtml
• River Observation Network: https://water.weather.gov/ahps/
• SST: https://www.ospo.noaa.gov/Products/ocean/sst.html
Climate Data Scenarios: https://www.data.gov/climate/portals/

Student Additions

IRBY-

- https://www.climatecentral.org/ (Climate)
- www.greenpeace.org/ (climate)
- .www.ucar.edu
- https://weather.com/(weather)
- https://www.rmets.org/resources/weather(Weather)

WOODS-

- CIA World Factbook: https://www.cia.gov/library/publications/resources/the-world-factbook/fields/284.html
- Student Guide- http://www.studentguide.org/the-ultimate-guide-to-weather-and-climate-resources-online/
- Storm Resource- https://www.stormresourcesltd.com/
- American Meteorological Society- https://www.ametsoc.org/ams/index.cfm/education-careers/education-program/weather-resources/
- National Hurricane Center-https://www.nhc.noaa.gov/

WHITE

- https://www.wrh.noaa.gov/zoa/mwmap3.php?map=usa (Aviation weather)

- https://crownweather.com/index.php/tropical/atlantic-tropical-weather-page/ (Tropical weather)
- https://www.nrlmry.navy.mil/TC.html (Tropical Weather)
- http://www.metoc.navy.mil/fwcn/fwcn.html (Charts, Forecasts, Observations for Atlantic, Mediterranean, Black and Baltic Seas, US east of the Rockies, East Pacific Ocean east of 90W Longitude.)
- https://sites.agu.org/ (Earth and Space Science Journals and education collaborations)

HOLBROOK

CARRASCO

- https://www.climatecentral.org - (climate change)
- http://www.cpc.ncep.noaa.gov/products/precip/CWlink/MJO/enso.shtml - (ENSO)
- https://floats.pmel.noaa.gov/ - (buoy data)
- https://ocean.weather.gov/Pac_tab.shtml - (pacific atmospheric conditions)
- https://www.noaa.gov/resource-collections/el-nino

BARNETT

- https://scied.ucar.edu/weather
- Euro Forcast Model https://www.ecmwf.int/en/forecasts
- Weather Radar WeatherUnderground https://www.wunderground.com/maps/radar/current
- Oklahoma Weather Lab https://owl.ou.edu/
- South Africa http://www.weathersa.co.za/

RESH

- **https://climatestoriesnc.org/documentaries/**
- https://www.americanwhitewater.org/content/River/view/? American Whitewater, River gauges
- https://www2.hao.ucar.edu/ High Altitude Observatory
- https://avalanche.state.co.us/ Colorado Avalanche Information Center
- http://www.spaceweather.com/ Space Weather!
- http://www.cru.uea.ac.uk/data East Anglia Climatic Research Unit

OLIVAREZ

- US Weather - https://weather.com/forecast/national
- International - http://worldweather.wmo.int/en/home.html
- California Weather Summary - https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Flood-Management/Flood-Data/Climate-summaries/California-Climate-Summary-Mar2018.pdf?la=en&hash=3C180756EFA3ADCE7DFB52500D5288E9A5AE599A
- Global Climate Report 2016 - https://library.wmo.int/doc_num.php?explnum_id=3414
- Richard Alley - https://www.geosc.psu.edu/academic-faculty/alley-richard

KANNAN

- **https://www.navcen.uscg.gov/?pageName=maritimeTelecomms** Navigation Center
- https://www.weather.gov/akq/MONTHLY_RAINFALL_ANALYSIS Monthly Rainfall Analysis
- https://www.weather.gov/ Winter Weather Safety
- https://www.spc.noaa.gov/products/fire_wx/ Fire Weather Outlooks
- http://floods.global/#6/32.988/-79.232/CREST/MAXQ/1548774000000/1548774000000 Flood Models

FOX

- US Weather: Climate Prediction Center: http://www.cpc.ncep.noaa.gov/
- Global: Forcast guidence for Current Active Storms: https://www.emc.ncep.noaa.gov/gc_wmb/vxt/HMON/index.php
- International: Meteorological Service of the Italian Air Force: http://www.meteomont.gov.it/infoMeteo/jsp/mwablx812I.jsp
- International: Meteorological Service in Germany and Climate data: https://www.dwd.de/EN/Home/home_node.html
- International: World Resource Institute: https://www.wri.org/resources/maps/aqueduct-global-flood-analyzer

YOUNG

http://www.metoc.navy.mil/jtwc/jtwc.html Joint Typhoon Warning Center
https://quakewatch.net/predictioncenter/ Earthquake prediction center
https://www.wpc.ncep.noaa.gov/wwd/winter_wx.shtml National Weather Service Winter Storm Forecasts
http://internationalweather.net/ International Weather Forecasts
https://droughtmonitor.unl.edu/CurrentConditionsandOutlooks/Outlooks.aspx US Drought Monitor

WARREN

http://sdwebx.worldbank.org/climateportal/index.cfm?page=country_historical_climate&ThisRegion=Middle%20East&ThisRCode=ME Middle East Temperature and Rainfall Historical Data (1901-2015)
https://nsidc.org/data - National Snow and Ice Data Center - Glaciers, Icesheets, Sea Ice, etc.
http://www.aurora-service.net/aurora-forecast/ - Aurora Australis Forecast
https://www.aviationweather.gov/areafcst - Aviation Forecast
https://www.metoffice.gov.uk/public/weather/marine/shipping-forecast - Marine Forecast (UK)

SOLANO

Local Tides and Information: https://tidesandcurrents.noaa.gov/stationhome.html?id=8638610
Sea Level Rise Viewer: https://coast.noaa.gov/slr/#/layer/slr/3/-8491668.888560697/4414182.106116126/11/satellite/155/0.8/2050/interHigh/midAccretion
Intergovernmental Panel on Climate Change Data: http://www.ipcc-data.org/
UNEP Climate Change Adaptation and Resilience: https://www.unenvironment.org/explore-topics/climate-change/what-we-do/adaptation-and-resilience
USDA Climate Change Solution Hubs: https://www.climatehubs.oce.usda.gov/

MARTIN

US Agency:

Coastal Emergency Risk Assessment: https://cera.coastalrisk.live/

Climate:

Climate change, agriculture, and food security in the Pacific: http://www.fao.org/3/a-ap205e.pdf

Climate Time Machine: https://climate.nasa.gov/interactives/climate-time-machine

U.S. Climate Data: https://www.usclimatedata.com/

Military:

Office of the Federal Coordinator for Meteorological Services and Supporting Research: https://www.ofcm.gov/

ARCHER

Agriculture EPA https://www.epa.gov/environmental-topics

Alternative Fuels Data Center https://afdc.energy.gov/laws/6433

Greenhouse Gases https://www.ncdc.noaa.gov/monitoring-references/faq/greenhouse-gases.php

Biofuels https://www.eia.gov/energyexplained/index.php?page=biofuel_home

International: Korea & Climate Change

http://sdwebx.worldbank.org/climateportal/index.cfm?page=country_historical_climate&ThisCCode=KOR

International: IPCC http://www.ipcc-data.org/