

EXAMPLES OF SYSTEMS DIAGRAMS

The list below includes a variety of systems diagrams that can be freely used in courses, if desired. They are presented with various levels of detail, and might provide useful resources for instructors of courses that overlap with the topics represented below. The links provided are to systems diagrams only, not to detailed models.

- Earth/Climate System: [<http://www.metoffice.gov.uk/research/news/cmip5>]
- Earth/Climate System from the perspective of dust: [<http://www.azimuthproject.org/azimuth/show/Earth+science>]
- Earth/Climate System from a modeling perspective: [<http://www.metoffice.gov.uk/research/areas/chemistry-ecosystems/earth-system>]
- Various Earth Systems (including water-related, climate) with slides and instructor resources: [http://www.esrl.noaa.gov/gmd/outreach/lesson_plans/]
- Climate System from the Modeling Perspective: [<http://www.easterbrook.ca/steve/2010/08/high-level-architecture-of-earth-system-models/>]
- Earth System Modeling (NOAA GFDL) (very simplistic diagram, maybe informative as a result): [<http://www.gfdl.noaa.gov/earth-system-model>]
- The Hydrologic Cycle: [<http://nd.water.usgs.gov/ukraine/english/pictures/watercycle.html>]
- The Hydrologic Cycle: [<http://www.srh.noaa.gov/jetstream/atmos/hydro.htm>]
- The Water Cycle: [<http://science.nasa.gov/earth-science/oceanography/ocean-earth-system/ocean-water-cycle/>]
- The Carbon Cycle: [http://www.esrl.noaa.gov/gmd/outreach/carbon_toolkit/basics.html]
- The Carbon Cycle (grades 6–9): [http://www.ucar.edu/learn/1_4_2_15t.htm]
- The Carbon Cycle (HS): [<http://serc.carleton.edu/sp/eres/activities/carbon-cycle-femo.html>]
- The Carbon and Nitrogen Cycles: [http://www.bbc.co.uk/schools/gcsebitesize/science/add_gateway_pre_2011/greenworld/recyclingrev1.shtml]
- Sulfur in the Everglades: [<http://sofia.usgs.gov/publications/ofr/2007-1374/review.html>]
- Methane Emissions/Melting Permafrost: [<http://whyfiles.org/2013/arctic-warming-greenhouse-gas-nightmare/>]