

Louisiana Envirothon 2023: Adapting to a Changing Climate

Key Topic 1 Factors Contributing to Climate Change

Resources:

Climate change basics (USEPA) <https://www.epa.gov/climatechange-science/basics-climate-change>

Climate 101 (National Geographic) <https://education.nationalgeographic.org/resource/climate-101-cause-and-effect>

Source of greenhouse gas emissions (USEPA) <https://www.epa.gov/ghgemissions/sources-greenhouse-gas-emissions>

Climate change indicators (USEPA) <https://www.epa.gov/climate-indicators>

What is Climate Change (United Nations) - <https://www.un.org/en/climatechange/science/causes-effects-climate-change>

Key Topic 2: Measuring and Monitoring a Changing Climate

Resources:

Climate models (NOAA) (<https://www.climate.gov/maps-data/climate-data-primer/predicting-climate/climate-models>)

The Very Simple Climate Model <https://scied.ucar.edu/interactive/simple-climate-model>

United National Climate Talks (Council on Foreign Relations) <https://www.cfr.org/timeline/un-climate-talks>

Key Topic 3: Risks and Impacts to Natural Resources and Society from a Changing Climate

Resources:

Climate change indicators: Ecosystems (USEPA) <https://www.epa.gov/climate-indicators/ecosystems>

U.S. Climate Resilience Toolkit: <https://toolkit.climate.gov/topics/ecosystems>

States At Risk Louisiana - <https://statesatrisk.org/louisiana/all>

What Climate Change Means for Louisiana (pdf) - <https://19january2017snapshot.epa.gov/sites/production/files/2016-09/documents/climate-change-la.pdf>

Highlights of Louisiana Agriculture 2018 <https://tinyurl.com/yu8946yc>

Louisiana Ecotourism <https://www.louisianamasternaturalist.org/ecotourism.html>

Louisiana Seafood Industry <https://www.louisianaseafood.com/industry>

Key Topic 4: Policies and Programs for Adapting to a Changing Climate

Resources:

U.N. Sustainable Development Goal—climate action:

<https://www.un.org/sustainabledevelopment/climate-action/>

What makes a good national net-zero target (Climate Tracker)

<https://climateactiontracker.org/blog/what-makes-a-good-national-net-zero-target-our-ten-step-evaluation-methodology-explained/>

Renewable Energy (U.N.) <https://www.un.org/en/climatechange/raising-ambition/renewable-energy>

Carbon Sequestration (U.C. Davis) <https://climatechange.ucdavis.edu/climate/definitions/carbon-sequestration>

Fight climate change with technology (World Economic Forum)

<https://www.weforum.org/agenda/2021/07/fight-climate-change-with-technology/>

NASA technologies spin off to fight climate change (NASA) <https://climate.nasa.gov/ask-nasa-climate/3075/nasa-technologies-spin-off-to-fight-climate-change/>

Louisiana Approves First Climate Action Plan in the Gulf South -

<https://gov.louisiana.gov/index.cfm/newsroom/detail/3551>

Louisiana Climate Action Plan <https://gov.louisiana.gov/page/climate-initiatives-task-force>

Louisiana electricity hub (PBS) <https://www.pbs.org/newshour/nation/louisiana-is-building-electricity-hubs-to-power-communities-after-a-disaster-heres-how-they-work>