Re-Imagining Industrial Systems
HIGH SCHOOL

Resources for Additional Research

**World Health Organization (WHO)**

- Find information on [global health topics](#) (air pollution, water pollution, toxic chemicals, etc.)
- [Search for global news](#) on different health topics around the world.

**U.S Organizations**

- **U.S. Department of Labor** – [Occupational Health and Safety Division](#)
- **Centers for Disease Control and Prevention (CDC):** Learn about many workplace safety issues.
- **Energy Information Association** – Find energy production and consumption data for [U.S. states](#) and nations around the world.
- **U.S Environmental Protection Agency (EPA):** Learn about [Sustainable Materials Management (SMM)](#), brownfield cleanups, and many other topics.
- **U.S. Department of Agriculture** – [Food loss and waste in supply chains during the pandemic](#).
United Nations: Sustainable Development Goals

The 17 "Sustainable Development Goals" (SDGs) are a blueprint to help create a better planet now and in the future. They were adopted in 2015 by UN member countries.

- Explore the 17 goals. Take a look at the “Goal Targets” section and current progress.
- Which goals relate to your topic and global challenge? How can re-imagining an industrial system help achieve the goals?

UN Environment
Learn about global waste management, air and water pollution, energy, and more with news stories and reports.

Food and Agriculture Organization
Learn about food systems, supply chains, food waste and loss, and how COVID-19 is impacting these systems.

The World Bank
Learn more about many industrial systems and issues: raw material extraction, energy, transport, supply chains, food systems, poverty, and more.
News Sites, Articles, & Stories

Procurement of Raw Materials

- Time Magazine infographic - How blood diamonds arrive in the U.S.
- The Guardian – The race for cobalt risks turning it from miracle metal to deadly chemical
- Human Rights Watch - German economic ministry blocks effective supply chain law

Waste Management

- The Philadelphia Inquirer – Coronavirus has Philly falling way behind on trash pick-up, but it’s not the only city.
- Hawaii Public Radio – Oahu grapples with where to place its next landfill as it confronts waste dilemma
- BBC – How do you fix healthcare’s medical waste problem?

CAFOs/Brownfields

- Civil Eats – Inside the Rural Resistance to CAFOs
- Argus Leader – Human health, environmental and antibiotic concerns follow CAFO development
- Visit your state’s department of environmental protection website for more information on brownfields.
Energy Production

- The New York Times - Is this the end of oil and gas pipelines?
- Intergovernmental Panel on Climate Change (IPCC) - Energy is at the heart of the solution to climate change
- Yale Climate Connections - news and stories on energy

Production/Distribution of Goods

- International Monetary Fund (IMF) - Why sustainable food systems are needed in a post COVID world
- Fortune - COVID-19 and climate change expose the dangers of unstable supply chains
- Carbon Brief - Mapped: The world's largest CO2 importers and importers

Occupational Health and Safety

- Los Angeles Times - The sweatshops are still open. Now they make masks.
- Union of Concerned Scientists - Pesticides, heat, and the people who feed us: Climate change is making farmworkers’ dangerous job even worse.
- Canadian Occupational Safety - E-waste recycling workers exposed to FR chemicals: Study