1. “Keeping an Eye on Our Changing Planet.” *Exploratorium*, www.exploratorium.edu/climate/.

This website is about how climate change affects the different realms: the Atmosphere, Oceans and Water, Ice and Land, and Living Systems. For more than a century scientist have been studying the relationship between global change and carbon in the atmosphere, this research and inadvertent experiment lead to the findings that carbon dioxide is released into the air by the burning of fossil fuels, coal, and gas- is change the world’s climate. The study led to the conclusion that change in climate affects the ecosystem for instance in the past, natural, long-term oscillations in the ocean’s capacity to store and transport heat have led to global temperature shifts, including past Ice Ages. Scientists are now observing changes in ocean currents probably related to the changing climate. The Atlantic current that includes the Gulf Stream, for example, had slowed down 15% in the last hundred years. Such oceanic changes will in turn influence our future weather and climate. The change in climate not only leads to the rise in temperature and weather but it also alters the rules of the game for living things on land like, spring is starting earlier, hotter weather is leading to more wildfires, frozen Artic soil is melting and seasonal events like migration and tree leafing are happening at different times.

My research topic was related to climate change, so I think this source gives more idea about climate change and how can it affect the entire world. This article covers the research led by many scientists and their conclusion about changes that happened in the environment so reading this article can provide more information’s about my research topic.

1. “FACT SHEET: Administration Announces New Initiative to Increase Solar Access for All Americans.” *Energy.gov*, <https://www.energy.gov/eere/solar/articles/fact-sheet-administration-announces-new-initiative-increase-solar-access-all>. Accessed date: 10/5/2021.

Climate change is a social issue that all nations are trying to find a solution to. America, the world leader has taken initiatives to cope up with the changing climate. This article focuses on the action plan proposed by President Obama in June 2013 to protect the United States from the impact of climate change. This action plan had three main objectives: 1. Cut carbon pollution in America – According to President Obama’s action plan, carbon pollution in the United States can be reduced by cutting the emission of carbon from powerplant and by promoting renewable energy. The fuel economy standards were increased, the estimates show that “the greenhouse gas emission will be reduced by approximately 270 million metric tons and save 530 million barrels of oil” (president action plan 8). 2. Prepare the U.S. for the impact of Climate change- Initiative include. “Building stronger and safer infrastructure and communities, conserving land and water and promoting Insurance leadership for climate safety” (President’s action plan). 3. Lead international efforts to combat Global climate change and prepare for its impact- The U.S. formed partners with countries to develop new transformational low carbon technologies and to reduce the emission of greenhouse gages. Also, the negotiation of global free trade in environmental goods and services reduced tariffs for clean energy technologies. (President action plan).

Changing governments are bringing new ideas to protect the United States from the impact of climate change. This source is related to the initiatives brought by the administration of Obama, I want to include the steps taken by different governments for the last 10 years, which helps to compare what are the steps implemented by the different governments to reduce the effect of climate change?