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# Project Bulletin-III

“Small Touches for Our Planet”, (STOP), is an Erasmus+ Capacity Building Project in field of youth, co-funded by the European Union.

STOP is the need to develop social awareness about climate change that threatens our future and to take responsibility for each individual. In this regard, local environmental events, disaster news on the national, and world agenda have given us sufficient motivation. It is essential for our planet to start a total struggle from the individual to the whole. Our world has been warmed by about 1 degree since 1900, which is accepted as the industrial revolution. This is because the carbon emission, which was 280 ppm before the industrial revolution, increased to 410 ppm as of 2018. This may be perceived as a simple number at first glance, but the point is that this 1 degree causes unexpected environmental disasters all over the world.

Therefore, we, as from 5 different countries, Turkey, Greece, Togo, India and Uruguay, located on different continents, aim to contribute to the process by carrying out studies that will reduce individual carbon footprint and greenhouse gas emissions. This will be a small contribution to the studies around us first, then to the climate policies of our countries, then to the European and World climate policies, and eventually to the future of our planet.



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# Impact of Forest fire on Global Heating

Global heating refers to the gradual increase in the Earth's average surface temperature over time, primarily as a result of human activities such as the burning of fossil fuels, deforestation, and other industrial processes that release greenhouse gases into the atmosphere. These greenhouse gases trap heat from the sun, leading to a phenomenon known as the greenhouse effect, which causes the Earth's temperature to rise.

The consequences of global heating include rising sea levels, more frequent and severe weather events such as droughts, floods, and hurricanes, and the loss of biodiversity as species struggle to adapt to changing environmental conditions. It is considered one of the most significant challenges facing humanity today, and urgent action is needed to reduce greenhouse gas emissions and mitigate the impacts of global heating..



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## Effects of forest fire on Climate Change in India



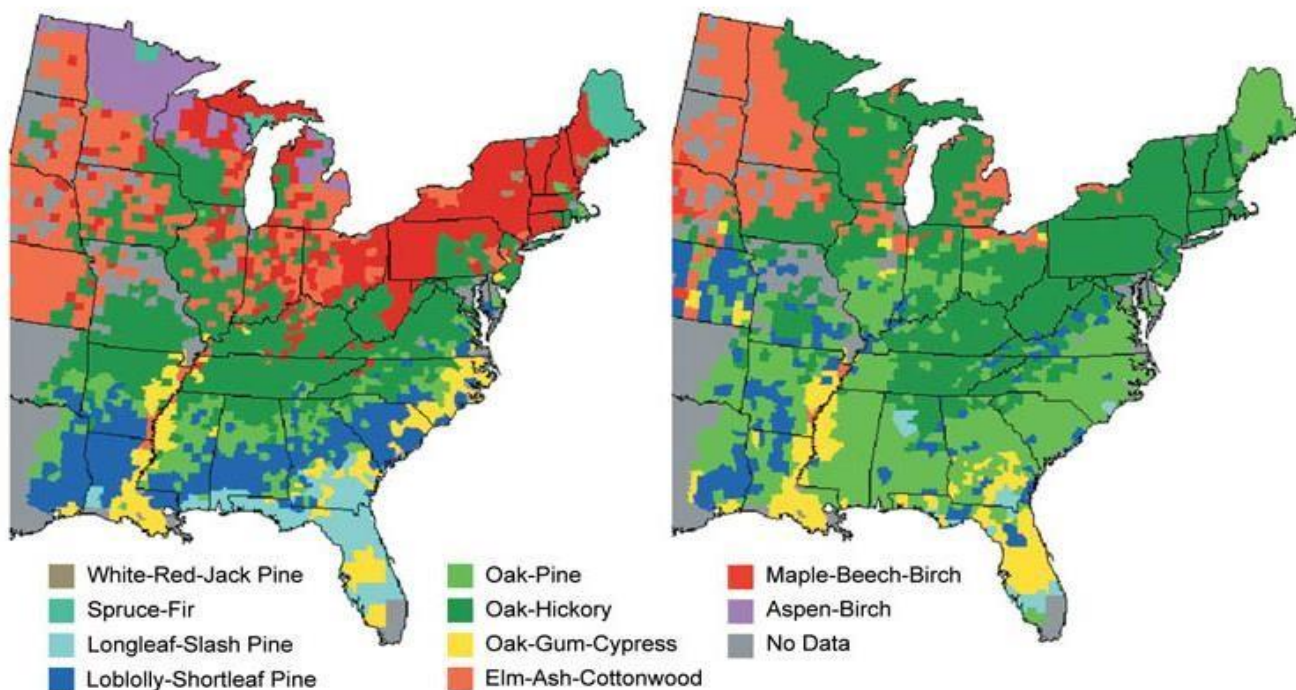
Climate change is having a significant impact on India, which is one of the most vulnerable countries to the effects of climate change. India's economy is highly dependent on agriculture, which is sensitive to changes in weather patterns. Climate change is leading to unpredictable rainfall, droughts, and floods, which can have a devastating effect on crops and livestock, and ultimately on the livelihoods of millions of people. The Himalayan region of India is also highly vulnerable to climate change, with melting glaciers leading to increased risk of landslides, flash floods, and avalanches. Coastal areas of India are also at risk due to rising sea levels, which can cause flooding and erosion. To address the impacts of climate change, India has launched a number of initiatives, including the National Action Plan on Climate Change, which aims to promote sustainable development and adaptation to climate change. India has also set a target of generating 40% of its electricity from renewable.

## Risks due to climate change

- Extreme weather events: Climate change is leading to more frequent and severe weather events, such as hurricanes, heat waves, droughts, and floods. These events can cause significant damage to infrastructure, property, and human life.
- Food and water security: Climate change is affecting agricultural productivity, leading to reduced crop yields and lower quality of food. Changes in rainfall patterns and increased evaporation due to rising temperatures are also affecting water availability, which can lead to water scarcity and conflicts over water resources.
- Public health: Climate change is leading to an increase in vector-borne diseases such as dengue fever, malaria, and Zika virus. Extreme weather events such as heat waves can also lead to heat stroke and dehydration, while floods can lead to waterborne diseases.
- Economic impacts: Climate change is affecting industries such as agriculture, fishing, and tourism, which are important sources of income for many communities. The costs of adapting to the impacts of climate change, such as building sea walls and other infrastructure to protect against flooding, can also be significant.

Recent Past  
1960-1990

Projected  
2070-2100



# Climate change and forests: impacts

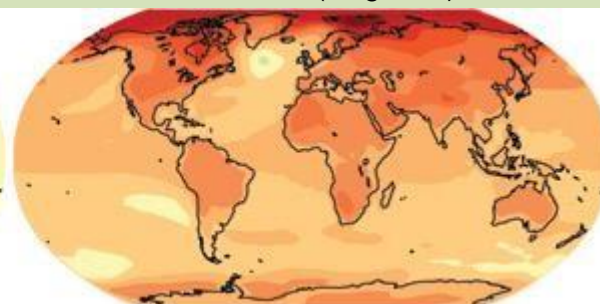
Projections of surface temperatures (relative to 1980-1999)

2020 – 2029 (short term)

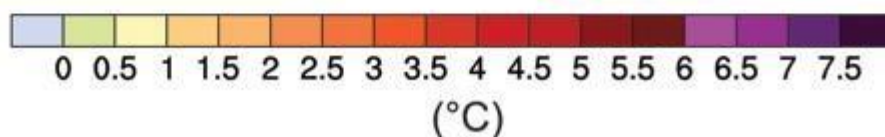
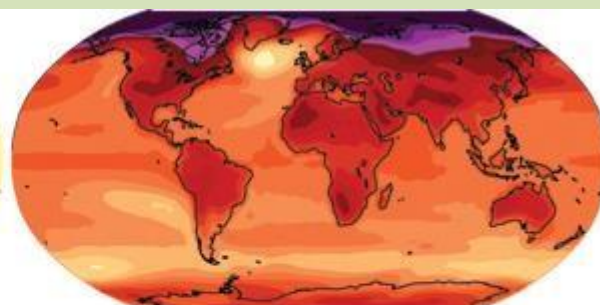
2090 – 2099 (long term)

Emission scenario:

B1



A2



### **DID YOU KNOW???** ...

**Conversations and discussions are happening around the world, at every level ... 189 of the 197 countries in the world have signed the Paris Agreement, to limit global warming to well below 2°C and pursue efforts to limit it to 1.5C.**

**In November, 2021, the United Nations climate summit is taking place here in the UK, in Glasgow.**

**Children in over 200 schools have signed up as Young Climate Warriors – from Cornwall to Scotland, and even as far away as Australia.**

**Over 1,000 global businesses have so far committed to being 'zero carbon' by 2050.**

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# How about a game of Climate Change.

Climate change activity for teenage learners



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## Climate Change awareness Game [Circles of Possibility]

This activity works well when introducing and discussing the different impacts and effects of climate change. Such as rising sea levels, uncontrollable diseases, dwindling natural resources, or species being threatened with extinction. Provide learners with 6 different sized circles of card. If you're teaching online, these can be circles on a digital whiteboard. Ask learners to think about one of the effects of climate change, and to discuss how this might impact on them directly. Have them write or draw their ideas on or in the smallest circle. Next, ask learners to think about how the effect impacts their neighbourhood, and to write or draw their ideas on the next circle. Continue in this way, using a larger circle each time for: town or city, country, continent, and the world.



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## IDEAS FOR USE IN SCHOOLS

### Understanding about climate change

1. Conducting a carbon footprint analysis: Students can calculate their school's carbon footprint by assessing energy use, transportation, and waste generation. This project can help students understand how their actions contribute to greenhouse gas emissions and how they can reduce their impact on the environment.
2. Investigating local climate impacts: Students can research the impacts of climate change in their local area, such as changes in temperature, rainfall, or sea level. This project can help students understand the local effects of climate change and how it is affecting their community.
3. Creating a climate action plan: Students can work together to develop a plan for reducing their school's greenhouse gas emissions, such as promoting energy conservation, encouraging sustainable transportation, or reducing waste. This project can help students understand the practical steps that can be taken to address climate change.
4. Debating climate policies: Students can research and debate different climate policies, such as carbon taxes, renewable energy incentives, or international climate agreements. This project can help students understand the complex political and economic factors that affect climate policy.
5. Designing sustainable solutions: Students can work in teams to design and build sustainable solutions, such as solar-powered devices, composting systems, or rainwater harvesting systems. This project can help students understand the importance of sustainable design and innovation in addressing climate change.



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## Activities completed under STOP

### YOUTH EXCHANGE ACTIVITIES @ Montevideo, Uruguay



Capacity Building Programme on Youth Exchange held at Montevideo, Uruguay and five country partners were involved in the training course

Activities includes in the exchange were STOP awareness through social media, presentation on different topic of climate change. Preparation of different modules etc.



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Activities completed under STOP  
YOUTH EXCHANGE ACTIVITIES @ Togo



The Youth Exchange we held in Togo was completed with the gathering of 10 participants from Greece, 10 participants from Turkey and 10 participants from Togo.