





Project Bulletin-II

"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 410ppm 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.



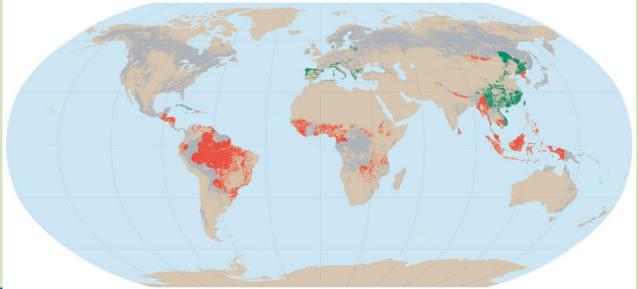






Impact of Forest fire on climate change

Global heating is contributing to forest fires, and those fires are stoking further heating: a deadly cycle. What can we learn from India's forest survey? Fire is a good servant but a bad master, as the saying goes. The same is true for forest fires. Controlled forest fires have been essential for forest growth, but uncontrolled forest fires can engulf and destroy healthy, thick forest cover in no time. Various anthropogenic factors combine to cause uncontrolled fires. Fires of varying intensity and extent can affect thousands of hectares of forest every year, seriously influencing factors on nutrient cycling and the functioning of the ecosystem. Some forest ecosystems have evolved in response to frequent fires from natural causes, but most are susceptible to the damaging effects of wildfire. Each year millions of hectares of the world's forests are lost by fire, resulting in economic losses, environmental damage, and the loss of human life as well as wild flora and fauna. The recent Australian bushfires in 2019 should have pushed India to better prepare.



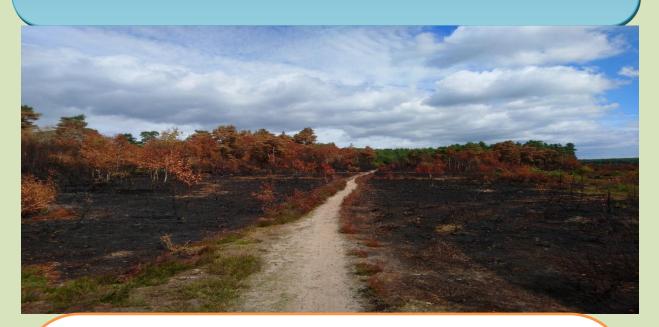








Effects of forest fire on Climate Change in India



Climate change in India is having profound effects on India, which is ranked fourth among the list of countries most affected by climate change in 2015. India emits about 3 gigatonnes (Gt) CO_{2eq} of greenhouse gases each year; about two and a half tons per person, which is less than the world average. The country emits 7% of global emissions, despite having 17% of the world's population. The temperature rises on the Tibetan Plateau are causing Himalayan glaciers to retreat, threatening the flow rate of the Ganges, Brahmaputra, Yamuna, and other major rivers. A 2007 World Wide Fund for Nature (WWF) report states that the Indus River may run dry for the same reason. Heat waves' frequency and intensity are increasing in India because of climate change. Severe landslides and floods are projected to become increasingly common in such states as Assam. Temperatures in India have risen by 0.7 °C (1.3 °F) between 1901 and 2018.According to some current projections, the number and severity of droughts in India will have markedly increased by the end of the present century.





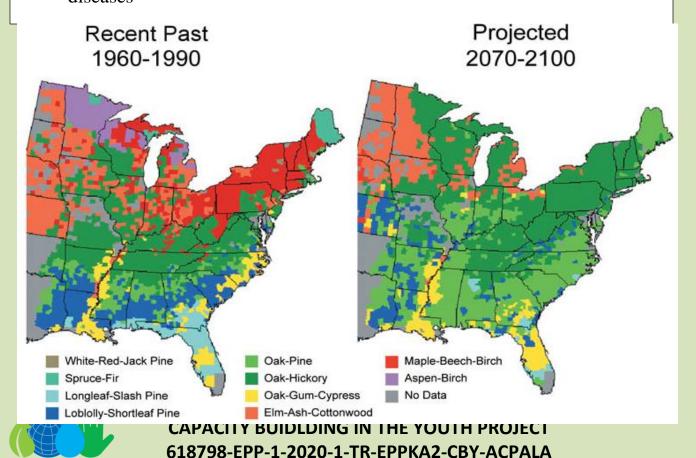






Possible risks due to climate change

- Changes in weather pattern average temperature rise of 2.0 degree C is predicted
- Cyclonic disturbances lower frequency, increased intensity
- Sea level rise 1.3mm/year on average
- Changes in agriculture yields decrease in land productivity and crop productivity
- Change in fresh water supply high variability in water yields
- Impacts on forests and natural ecosystems shifting forest borders, species mix, negative impact on biodiversity
- Impacts on human health mortality from heat stress, water borne diseases









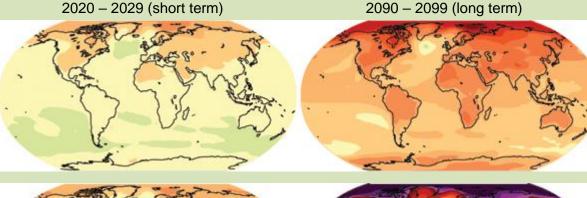


Climate change and forests: impacts

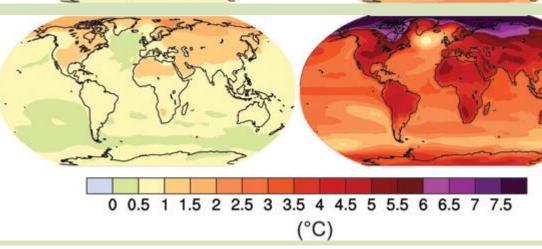
Projections of surface temperatures (relative to 1980-1999)

Emission scenario:

B1



Α2



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.







How about a game of Climate Change Snakes and Ladders?

Do you believe it when your teachers tell you maths is useful in real life? Can you think how you can use times-tables to help tackle climate change? What is 1x1? How about 5 x 1? Or 50 x 5? That's a lot bigger, isn't it?

This week's challenge asks you to play a game of 'Climate Change Snakes and Ladders' with your brother or sister, your parent / carer, or even one of your grandparents or cousins over zoom – the excellent European Commission designed Snakes and Ladders board can be found here

https://ec.europa.eu/clima/sites/clima/files/citizens/youth/board_en.pdf

Playing climate change games or chatting about climate change, may help convince others to also make efforts to combat climate change - so multiplying our impact.

To look back at the sums – if you could persuade 5 other people to open their curtains and turn their bedroom light off every day before school that's like 5 x 1 which equals 5 times the impact.

If 50 Young Climate Warriors could all tell 5 other people that's 50 x 5 = 250 people who would ALL be drawing their curtains, switching



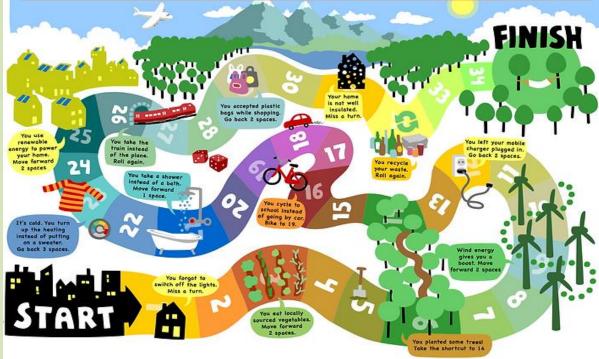








Climate Change Snakes and Ladders game













IDEAS FOR USE IN SCHOOLS

Understanding about climate change

- Hold a Climate Change assembly (maybe use the Introductory Assembly Presentation pack or the Little by little assembly links below)
- Watch some 'understanding climate change' video clips (available below)
- Ask pupils to find recent articles about climate change (some recent articles can be found on our 'in the news' page)
- Try our 'Kahoot!' climate change quiz (link below)

Weekly topics and challenge

- Teachers can register to receive our weekly 'schools pack' that supports each week's topic and challenge.
- Encourage children to visit the Young Climate Warriors website and sign up (it's free) to receive the weekly blog topic and challenge by email.
- Consider how to galvanise the whole school community to learn more about climate change - a weekly mention in assembly? Sharing the challenges in the school newsletter? On social media?

Organise a Climate Change Club

- Hold an after-school or lunchtime Climate Change Club using our Climate Change Club (CCC) in a Box resources?
- Energise your Eco-team by using our CCC in a Box materials?









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.









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.

