



TEMPERATURES
AROUND THE
GLOBE OF
141
YEARS HAVE
BEEN CROSSED IN
THE YEAR 2020

SINCE
1980
SITUATION IS
GETTING WORSE
DAY BY DAY

CLIMATE ... THE MOTHER EARTH IS INFURIATED !!!

WRITTEN BY KSHITIJ SAXENA

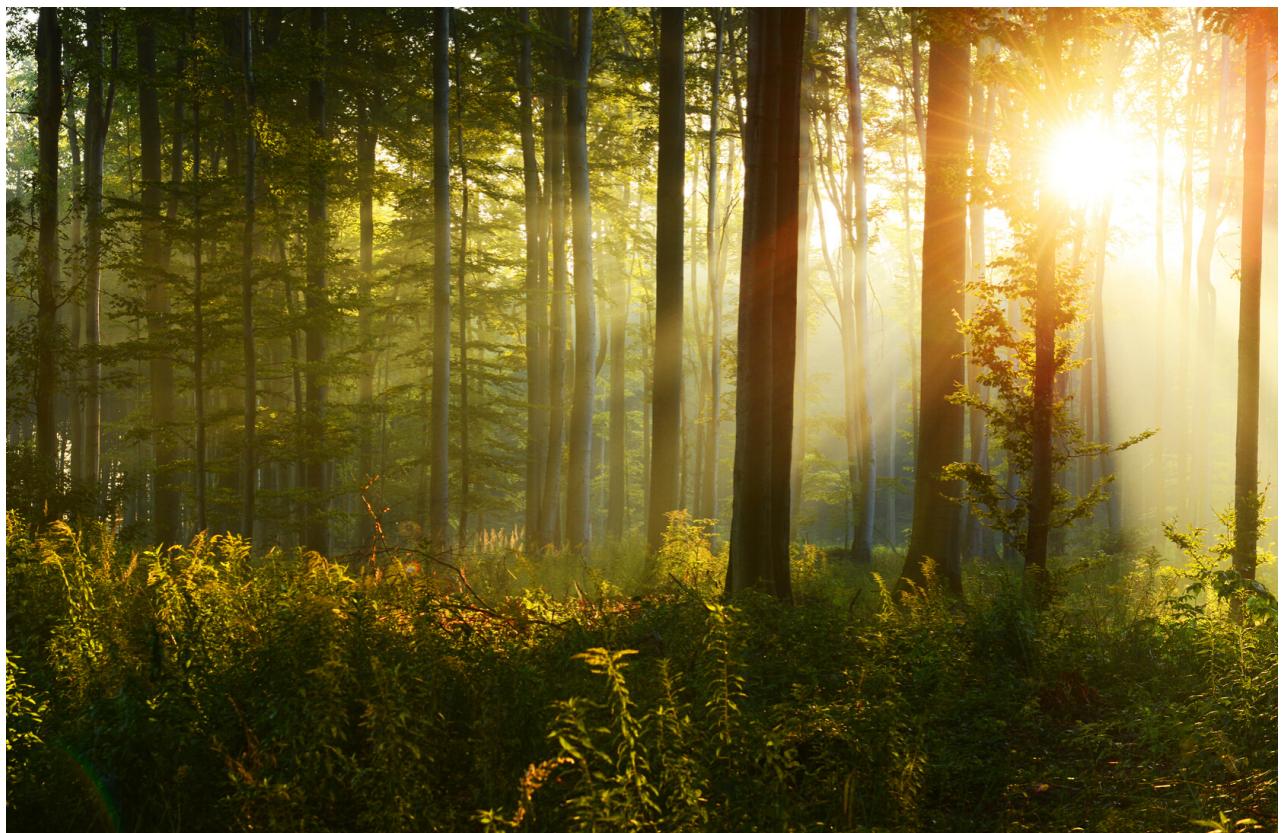
THE DAY IS VERY VERY NEAR WHEN THE MOTHER EARTH WILL NOT TOLERATE OUR WRONGDOINGS ANYMORE AND THE DAY AS DESCRIBED IN THE HOLY BIBLE AND VARIOUS RELIGIOUS SCRIPTURES WILL COME AND EVERY MISFIT BEING ON THE EARTH WILL BE SQUASHED UP

CHANGE YOURSELF

MAR. 2020,

CLIMATE

A deep learning and a unique content to completely master everything about climate



Introduction to Climate

EVERY NOOK AND CORNER OF CLIMATE

Impacts of Climatic Change- Page 8

Climate is the geographical conditions happening for a particular amount of time for several years in a region. It is usually confused with the weather which is also a geographical concept like climate is but it is very different. Readers you must be wondering about the things written on the very first page but first let us understand the very basics then we will surely discuss that also in later part of this document. Weather is more like a temporary, physical conditions of a place which is changed a day after or maybe a minute after. Weather can also be understood by an analogy of a girl who is not very sure what she wants to do in her life one day she dreams of being an Actor and the very next day of a doctor.

• Why understand climate in the first place ?

Remember when we all were kids our parents or relatives used to buy us those board games and before using that we always used to clearly understand what the game is all about, what are the rules and regulations of the game. The very same thing should be done, when we are living on this planet we should understand everything to the fullest and the climate is not any kind of exception. We have got this human awareness and a fantastic mind, but very foolishly we neglect our nature and we never think of what wrong we are doing, what are the things that upset the nature, what makes it happy.



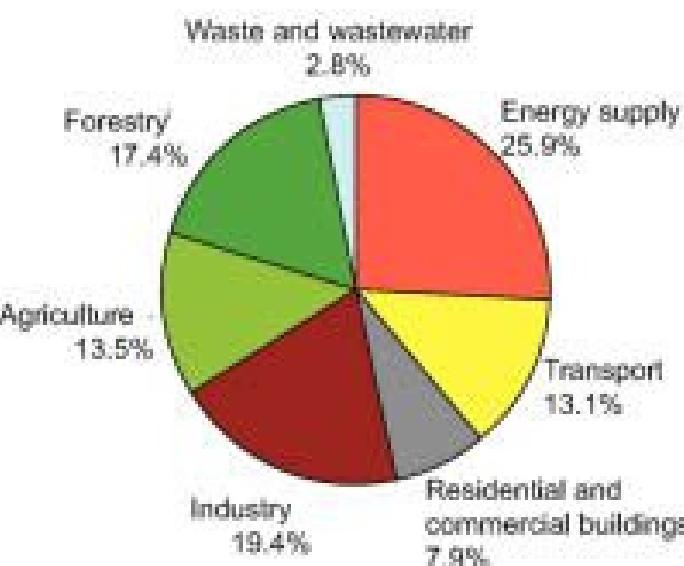
This very clearly explains the fact that how much we love or respect the nature like people are very much fond of their phone, they put the mobile in a case, use protective covering for the screen and all sort of activities to safeguard it but very rarely we see people doing the same for their very nature. But the changing of climate and all the natural calamities happening around us shows us that nature is very clearly indicating that we have gone wrong, we all have to take a moment off our lives and think what we can do it to make better else not deteriorate it any further.

For basic reference, link of a YouTube video giving a overview about the Climate and Weather :-

<https://www.youtube.com/watch?v=YbAWny7FV3w&t=128s>



CLIMATOLOGY



- *What is Climatology :-*

The study of the geographical conditions happening for a particular amount of time for several years in a region.

- *What will happen if there is no climatology*

Climatology is not any kind of natural phenomenon rather than it is an activity done by humans to track the activities of nature. The only thing that will happen is the continuity of human's ignorance towards the climate.

- *Is Climatology essential:-*

It is need of the hour to eliminate all the evils destructing our nature which are man-made which can be done while being aware of the dynamics of nature, due to which climatology becomes a necessity.

- *Any Pros of Climatology:-*

Yes there are many pros discussed later in this document because pros being the only reason it is being conducted worldwide.

- *How it is done:-*

Climatology is done by various methods and ways but majorly statistical data of rainfall, atmospheric composition, and the temperature is used.

On the left, there is a Pie-Chart briefly describing causes of climate change

PROS AND CONS OF CLIMATOLOGY

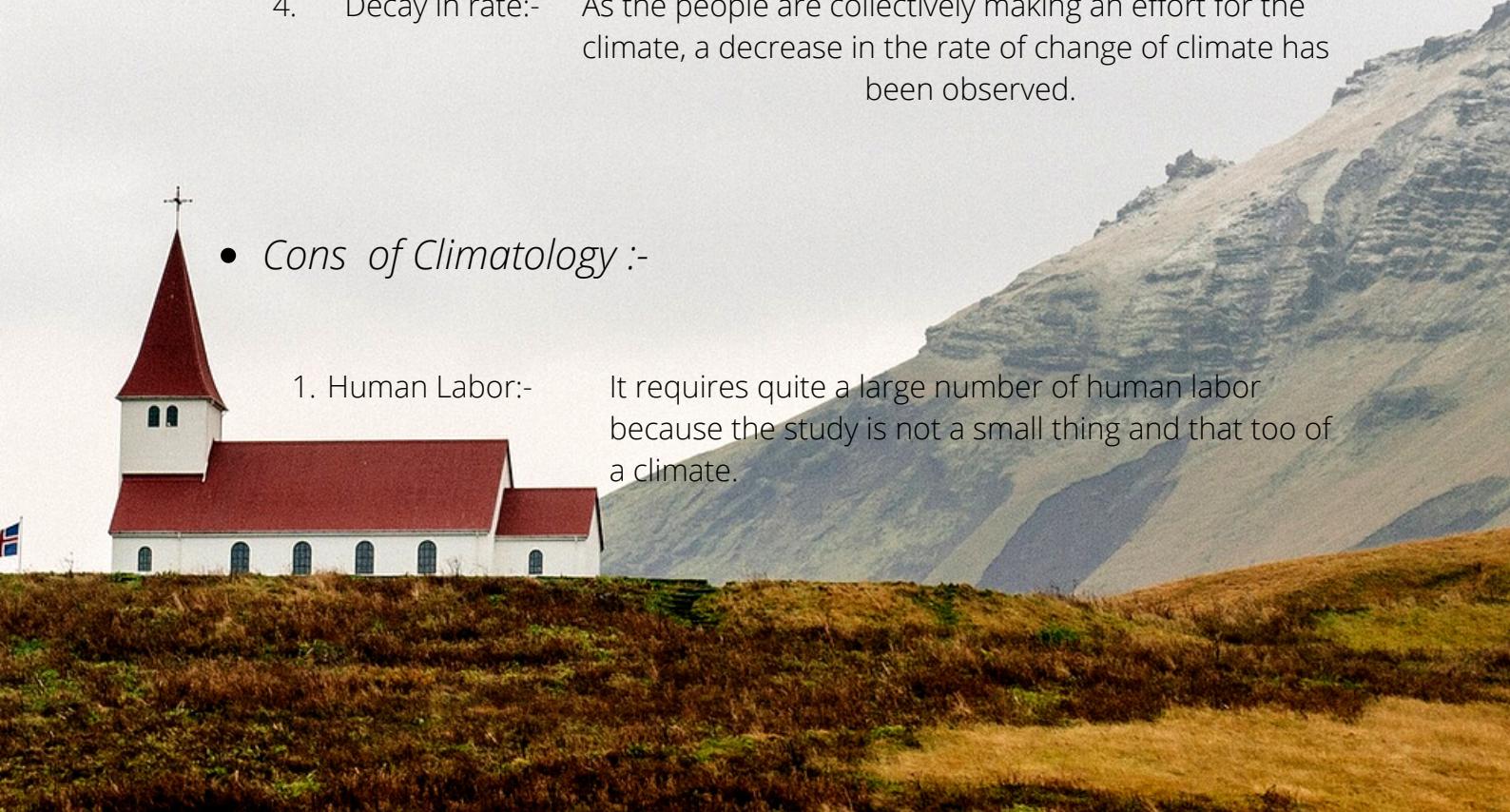
As everything in the world it is bound to have the two sides and climatology serves no exception

- *Pros of Climatology :-*

1. Awareness:- People are getting aware of the current and previous trends happening in the climatic conditions of the entire world.
2. Initiatives:- Study of the climate made people aware of the entire world, which led to various governments, organizations and even individuals take initiatives for the betterment of the World.
3. Attitude:- Climatology made people get to know what good they can do as a society, so the attitude of people is changing.
4. Decay in rate:- As the people are collectively making an effort for the climate, a decrease in the rate of change of climate has been observed.

- *Cons of Climatology :-*

1. Human Labor:- It requires quite a large number of human labor because the study is not a small thing and that too of a climate.



2. Scientific Knowledge:- Climatology requires scientific knowledge it can not be done by anyone having no scientific temperament because in this one has to deal with various natural phenomena and many pieces of equipment to do the job.
3. Equipment:- From recording to making statistics then feeding it in the machine then publishing it requires a hell lot of equipment to deal with.
4. Money:- For hiring of manpower, using expensive equipment and training requires a large sum of money to do the work of climatology.
5. Tedious:- Work of climatology is extremely time-taking, it takes years to record the data that's why this makes very difficult to do the job.

MEMORY CHECKER:

Is Weather and Climate the same? If not then tell the difference?

Why we need Climatology ?

What are the perks of climatology ?



"If I preach against the modern artificial life of sensual enjoyment, and ask men and women to go back to the simple life epitomized in the charkha, I do so because I know that without an intelligent return to simplicity, there is no escape from our d."

- Mahatma Gandhi



ROOT OF CLIMATE CHANGE

MARCH 2020 | PAGE 7

The industrial revolution started by England in the 17th century and then slowly spread all over the world. Every country followed industrialization because of industrialization money started flowing in the economy of a country more easily.

The first regions of the world to be industrialized were Western Europe, then North America, followed by Eastern Europe and Asia. Firstly it started in Western Europe, after it America then Eastern Europe in the 19th century and lastly Asia in the late 20th century.

Due to all of this, the major source of climate change exponentially rose which is the emission of CO₂ gas in the atmosphere, this emitted CO₂ from big industries and factories was not used by its largest consumer plants, they were also decreasing in number due to deforestation caused by settling of new industries and increase in the population.

The increased CO₂ level in the atmosphere caused the greenhouse effect and in turn, resulted in global warming.

IMPACTS ARE SERIOUS !!!

Alarming situation



Global warming increased the Earth's temperature which led to Melting of glaciers, unbearable summers, extremely cold winters, and the list goes on and on. But the main and foremost important thing that happened due to global warming is the melting of glaciers due to which sea level is continuously rising and there are many major cities around the globe which are coastal, their sea level is beyond normal and is under serious threat..

- Cities are-

1. Guangzhou, China
2. New Orleans and New York City, United States
3. Mumbai, India
4. Osaka, Japan

BRANCHES OF CLIMATOLOGY

for more reference visit <https://en.wikipedia.org/wiki/Climatology>



MAIN BRANCHES OF CLIMATOLOGY:-

According to the American Meteorological Society, there are three branches of climatology which are categorized based on its ramification. The main three branches of climatology are:-

1. *Descriptive climatology.*
2. *Scientific climatology.*
3. *Applied climatology.*

In Applied Climatology, climatologists use their ability to different fields such as agriculture and manufacture. In Scientific Climatology, climatology is done by using scientific data and equipment and in Descriptive climatology, it is described by a graphical and verbal explanation rather than going into the theory and causes.

Further, there are also various small branches like Paleoclimatology, physical climatology, synoptic climatology, tornado climatology, regional climatology, bioclimatology, applied climatology, dynamic climatology, snow climatology, Paleotempestology, and hail climatology.



COMPANY INVOLVED IN CLIMATE REVOLUTION :-

Many companies understood without this precious and immaculate environment, all growth whether it is economically, scientifically or materially, all this is happening in the minds of the people only and due to this when we are taking 3 steps forward then we are also taking 4 steps backward, which is leading all of us into the intricate and tangled world full of climatic problems.

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Rangareddy, Hyderabad, 500032, Telangana, India.

FAMOUS PEOPLE MAKING THE CHANGE



MARK RUFFALO

He needs no introduction we know him as Hulk but he is very active in initiatives dealing with climatic change and also the founder of "Water Defense".



ARNOLD SCHWARZENEGGER

Arnold or Mr.Terminator of Hollywood is also very enthusiastic and motivates others about scientific aspects of climate.



DON CHEADLE

Our very own and new Captain America also wants to save the world in real life also by motivating others for the big changes or big push like he calls for the greater good.



LEONARDO DICAPRIO

This man might have not been able to save the titanic ship in the movie but leaves no stone unturned when it is about climate. His Instagram is flooded with pictures of initiatives.



SHAILENE WOODLEY

Who hasn't watched Fault in our stars movie and this is not the sole reason for her popularity but also her constant steps for the change, every second post on her Instagram is making people aware of the climate.



JESSICA ALBA

Fantastic Four fame Jessica is very keen to improve our climate, she also various videos educating the people regarding the same like "Years of dangerously living".

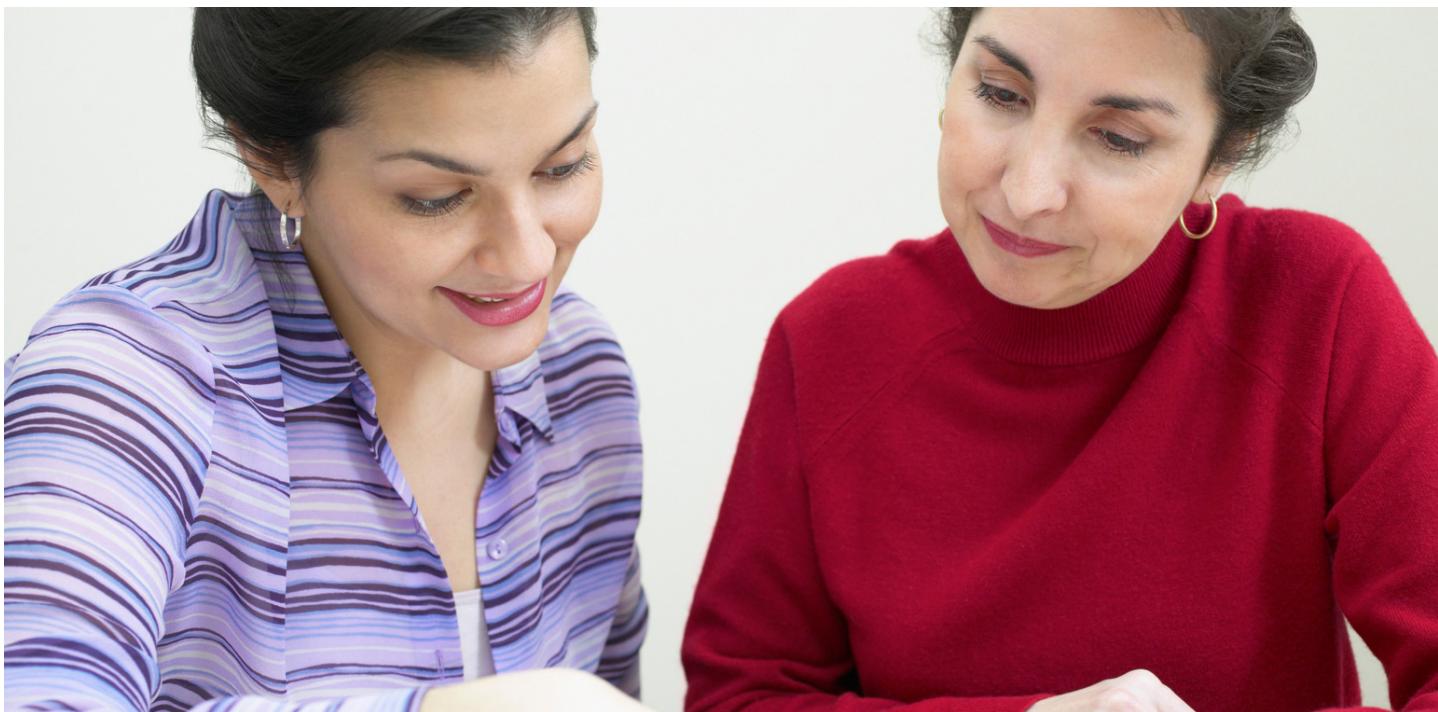
TRENDS AND HAPPENINGS AROUND THE WORLD



- As published on New York Times on 30 MAR 20 by Coral Davenport, United States of America is going to take back its auto pollution rule which was implemented by the former president of America Mr. Barack Obama to eradicate the pollution caused by automobiles by putting up certain limits and restriction, which will make the situation of climate even worse than it is already.
- Tornadoes damaged the district Tennessee of U.S.A on 2nd Mar 20 Monday morning to 3rd Mar 20 Tuesday, it was been solving but in the mid-COVID-19 Corona Virus outbreak happened in the world
- India, the second-most populous country in the world with over 17 percent of the world population is facing a water crisis severely in the state Maharashtra, Bihar and Rajasthan. Even some of the big cities like Chennai, Bengaluru, and Hyderabad as the drought affected India since 2017 in Maharashtra and also as predicted India will become the most populous country in the world with over 1.6 billion people.
- All the climatic initiatives taken are not in action due to the coronavirus but the carbon emissions are very much reduced and the Ozone layer is getting healed.
- It has been predicted by climatologists that the Indian summer monsoon will be delayed, it might have a negative impact on the crops and need of daily water.

CAREER IN CLIMATE

BOOMING INDUSTRY AND A NEED



Climate is a booming industry and its very good because it is for the greater good, 10 to 20 years back there was no real career in the climate but as we are in 2020, big opportunities are waiting for you if you have innate desire to change the world and restore the nature into its original form and skill.

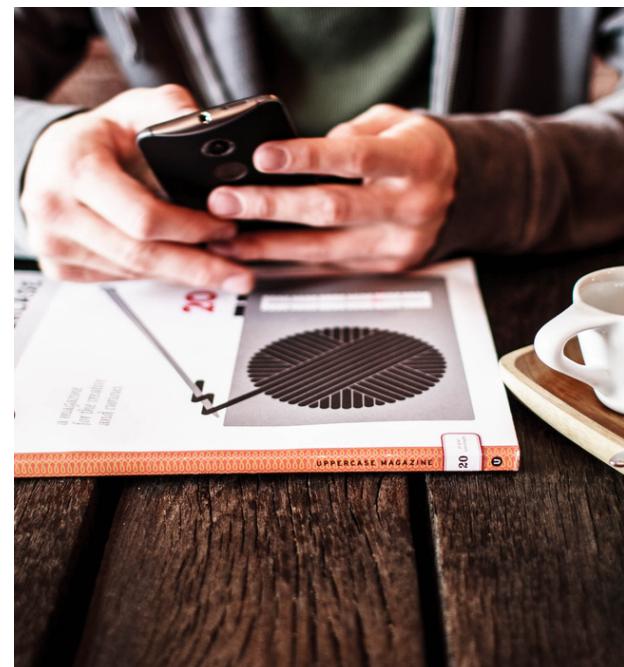
Opportunities:

- Climate Projects Manager \$25.00 - \$50.00 hourly
- Climate Changer \$20.00 - \$35.00 hourly
- Photo blogger/Social Photographer \$29,000 yearly
- Climate Defender Self employment
- Climate Campaign Organizer \$27,000 yearly
- Climate Corps Education Outside \$2,115 monthly

COURSES AND CERTIFICATIONS

Various online platforms and organizations provide courses and certification in the field of climatology

- Learning ProductGlobal Warming
- From Climate Science to Action
- The Sustainable Development Goals
- Introduction to Sustainability
- Global Energy and Climate Policy
- Climate Adaptation in Africa
- Communicating Climate Change and Health
- Climate Change:From Learning to Action
- Sustainable Diet
- Integrating Climate Risk Information into NAPs



Climate change is a terrible problem, and it absolutely needs to be solved. It deserves to be a huge priority.
- Bill Gates

FAQS AND SAMPLE QUESTIONS

BRAIN STORMING:

Why a career in climate?

*Why is Climatology
trending?*

*What are the branches of
climatology ?*

*Why climatic change
happening?*

*How climatology is
performed? Can it be done
at home?*

*What are the major cities
on an alert due to climate
change?*

*The biggest threat we are
in now?*

*What are the effects of
climate change?*

“

Climate change is the greatest threat to humanity, perhaps ever.

Global temperatures are rising at an unprecedented rate, causing drought and forest fires and impacting human health.

- Cary Kennedy



STARTUPS INVOLVED DIRECTLY:-

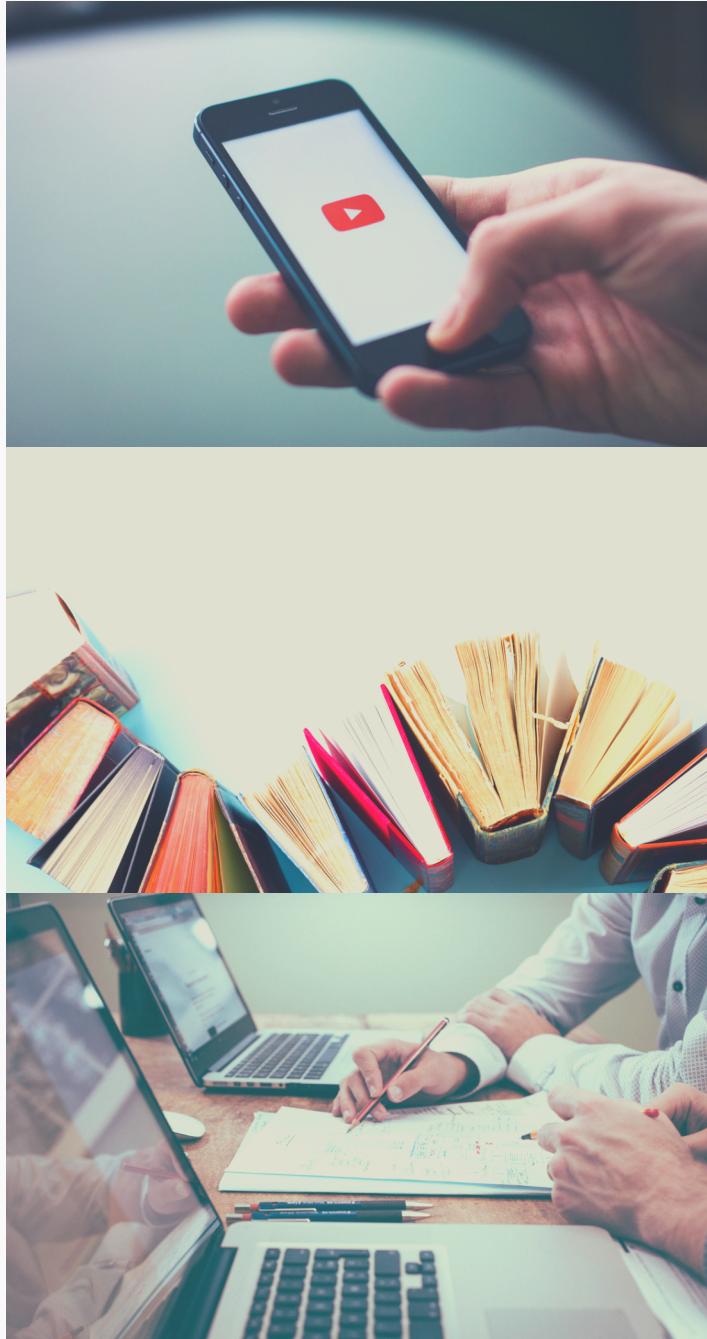
It's high time now people should understand the urgency of dealing with climate change and fortunately, there are many companies directly or indirectly involved in this much-awaited work.

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- Silicon Kingdom Holdings info@siliconkingdomholdings.com |
<http://siliconkingdomholdings.com/>
- Carbon Engineering PO Box 187, 37322 Galbraith Road, Squamish, B.C.,
V8B0A2 |
<https://www.youtube.com/user/CarbonEngineering> |
carbonengineering.com

THINGS YOU CAN REFER TO

MAR, 2020

PAGE 18



"The secret of change is to focus all your energy, not fighting the old, but on building the new."

- Socrates

Various YouTube videos, articles, books that you can refer to FOR more info

- <https://www.youtube.com/watch?v=A7ktYbVwr90>
- <https://www.youtube.com/watch?v=LRQWXFCaOGs>
- <https://www.youtube.com/watch?v=pF72px2R3Hg>
- <https://time.com/person-of-the-year-2019-greta-thunberg/>
- <https://climate.nasa.gov/news/>
- <https://www.nytimes.com/section/climate>
- Book: The Uninhabitable Earth
- Book: This Changes Everything: Capitalism vs. The Climate
- Book: No One Is Too Small to Make a Difference