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## It is always possible

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ENSC 230 – Ivan Makino

## **It is always possible**

The climate is changing faster than we can manage and will get worse if people keep treating the planet like it is indestructible.

Billion of years ago we had the ice age that turned the world in another world and will probably have a fire age in the future polluting in this actual rate.

"Fire age" means that our temperature has been raising in an absurd rate over the last decades and if we don't change our habits our day will be so hot that our biodiversity will probably be gone and more than never we need to look for good alternatives and policies to avoid the end of the world instead of believing that deals like Kyoto Protocol really work and the countries involved really respect the rules.

A solution to avoid the "Fire age" is to believe in REDD+ that is basically a policy or investment program that reduce emissions from diminishing deforestation and preventing forest degradation which seems to be like a mitigation measure for conservation, sustainable management of forests and the improvement of forest carbon stocks what is really important if we care about the future generations to live in a planet that contains breathable air.

My country is one the examples that really cares about the policy because almost 60% of Brazil is forest and they really need to protect areas like the Amazon because it is interest of people in all over the world for the reason that the Amazon is the biggest remaining contiguous rainforest which is threatened about the human acts nowadays. Around 17% of the Amazon Forest is gone because of deforestation and forest degradation and now Brazil is selected as one of the FIP (Forest Investment Program) pilot countries.

In 2005 around 50% of the emission in Brazil used to come from deforestation and forest and soil degradation what sound like an amazing idea to look for REDD+ resources to invest on this country. Brazil created PPCAm that means Plan for Prevention and Control of Deforestation in the Legal Amazon and other policies like PNMC (National Plan of Climate Change) resulting that in 2010 Brazilian Government had a commitment to voluntary reduce emissions with 80% decrease in deforestation in the Amazon and 40% in the Cerrado that shows up that is possible to change bad habits to green habits.

One of the biggest challenges is how are they going to monitor the forests for REDD since a country like Brazil is so enormous and contains forests in different parts of the country. Fortunately REDD+ is so powerful that attract organs like FAO (United Nations Food and Agriculture) and INPE (National Institute for Space Research) to work together monitoring the Brazilian forests but we don't know yet if the monitoring will be efficient enough to stop companies that get advantage on illegal areas as a profitable resource.

This program is an example for the rest of the countries that want to reduce their deforestation because from 2004 to 2014 in Amazon decreased around 80%. In 10 years a lot has changed and should keep in movement and maybe a new project about replanting the area that was lost a long time ago seems to be a nice idea or simply try to replace the forest that will be used in the future to create a sustainable use of the forest resources.

REDD+ is also encouraging another biomes to invest in similar projects as detailed as this one in Amazon that is considered high standard of detail required what is amazing for the whole country because other biomes are being affected for human's acts since a long time ago as well.

Contrasting with all the positivity created by the policies by the time that the deforestation decrease the gross national product follows the reduction but this does not mean that is bad because it just shows that a lot of natural resources that were not supposed to be used were being used in order to create profit for the greed companies that in the most part of the times are not worried about the environment health because for them the only thing that matters is to grow economically even if this will cost the end of biodiversity or will create more greenhouse problems.

Our people is glad that we are having the opportunity to save Amazon with REDD+ helping investing on this amazing project and policies since it is a huge source of our animal and plant life proving that it is possible to reverse situations that seems to have no return in this capitalist world.