United Nations Sustainable Development Goals (UN SDGs) Professor. Doctor Shiva Ji Penartment of Design and Department of Climate Change

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Key Climate Conferences & Summits: Rio 92, Kyoto 95, Paris 15, COP26 Part 3

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So, here on the screen, you can see this the document Kyoto Protocol to the United Nations Framework Convention on Climate Change, which was released by the United Nations in year 1998.

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So, as it reads the Parties to this protocol being Parties to the United Nations Framework Convention on Climate Change hereinafter referred to as the convention. In pursuit of the ultimate objectives of the convention, I stand in its Article 2. Recalling the provisions of the convention being guided by Article 3 of the convention. Pursuant to the Berlin mandate adopted by decision 1/CP.1 of the Conference of the Parties to the Convention at its first session, have I agreed as follows.

And then these are the articles. A number of articles are there in this document, I would suggest for you to check it over internet or in your library, it is easily available, this PDF is easily available for download, you should download and read it, maybe you can mark it for your reference. And so, before going through the articles, I will take you to the end of this article, where you can see in the Annex A, these are the industrial sectors, GHGs greenhouse gases which are listed in here for which this whole thing is discussed about.

So, you can see this list, carbon dioxide, methane, nitrous oxide, hydrofluorocarbons HFCs which are responsible for the ozone depletion, perfluorocarbons and these ones also were responsible, sulfur hexafluoride. So, these are the major GHGs which are listed over here for countries to reduce specifically. And sector wise or source category wise energy, in energy, fuel combustion.

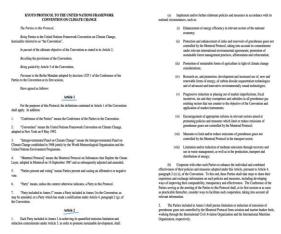
So, from fuel energy industries, manufacturing industries and construction, transport, other sectors. And fugitive emissions from fuels, solid fuels, oil and natural gas etcetera. Industrial processes like mineral products, chemical industry, metal, other production, production of hydrocarbons and sulfur hexafluoride, consumption of hydrocarbons and sulfur hexafluoride etcetera. Solvent and other product use.

In agriculture, enteric fermentation, manure management, rice cultivation, agricultural soils, prescribed burning of savannas, field burning of agricultural residue etcetera. In waste, it is about solid waste disposal on land, wastewater handling and waste incineration etcetera. In Annex B, you can see the different parties like countries the member countries which were enlisted over here and quantified emission limitation or reduction commitment, percentage of base year or period from all of this.

So, you can see these countries in overall like what is expected out of them. So, first being Australia, Austria well this is in alphabetical order. But these are the numbers you can see on the right side. Australia, Austria, Belgium, Bulgaria, Canada, Croatia, Czech Republic, Denmark, Estonia, European community, Finland, France, Germany, Greece, Hungary, Iceland, Italy, Japan, Latvia, Liechtenstein, Lithuania, Luxembourg, Monaco, Netherlands, New Zealand, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom of Great Britain and Northern Ireland and the United States of America.

So, in total, there are 28 articles in this, maybe briefly, we can see it from here. It is a long document, maybe you should all read in your leisure time.

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So, as it says for the purpose of this protocol, the definitions contained in Article 1 of the convention shall apply. In addition, Conference of the Parties means the Conference of the Parties to the Convention, etcetera, etcetera. Then, Article 2 it says each party included in Annex 1 in achieving its quantified emission limitation and reduction commitments under Article 3 in order to promote sustainable development shall implement and or further elaborate policies and measures in accordance with national circumstances, such as enhancement of energy efficiency in relevant sectors of national economy.

Protection and enhancement of sinks and reservoirs of greenhouse gases not controlled by the Montreal Protocol. Promotion of sustainable forms of agriculture in light of climate change. Research on, and promotion, development and increased use of new renewable energy forms. Progressive reduction or phasing out of market imperfections. Encouragement of appropriate reforms and relevant sectors measures to limit or reduce emissions of GHGs. Limitations or reduction of methane emissions through recovery and use in waste management etcetera.

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- 3. The Parties included in Amort 1 shall strive to implement policies and measures under this Artificit is not alway as to initiative aboven efficits, including the aboven efficits of climate that are effects or international trade, and occid, revisionemental and economic impacts on other parties, especially developing country Parties and particular three inelatefiel in Article 4, paragraphs 3 and 9, of the Convention, taking into account Article 3 of the Convention. The Conference of the Parties which is Parties serving as the mercing of the Parties to his Parties serving as the mercing of the Parties to his Parties carried as the surface of the Parties to his Parties carried as the surface of the Parties to his Parties serving as the mercing of the Parties to his Parties carried as the Parties serving as the mercing of the Parties to his Parties of the Parties and Parties and
- 4. The Conference of the Parties serving as the meeting of the Parties to this Protocol, if it decides that it would be beneficial to coordinate any of the policies and measures in paragraph (a) above, taking into account different national circumstances and openial effects, and consider was and measure inhabitors the coordination of such robicies and measures.

Article 3

- 1. The Parties included in Ameant shall, individually or jointly, course that their aggragate authoropogics colored desides equivalent ensistes or after premisence genes inteller faces, and not extend their uniqued amounts, calculated pursuant to their quantified ensistent institutions and reduction constitutions instituted in sames B and in acconductor with the provision of Acides, with a view to reducing faced enrel enteriorism of such gases by at least 5 per cent.
- 2. Each Party included in Annex I shall, by 2005, have made demonstrable progress in
- 3. The net changes in greenhouse gas emissions by sources and removals by sides resulting them direst human-induced luminous change and forestry activities, limited the afforestation, and described and afforest sources and sent and the sides of the constituent of the sides of the continuents are described as the continuents of the continuents source this Article of and Purey included in Amer. I The gunthouse gas mentions by sources and removal by sides as accounted with those activities shall be reported in a transparent and verifiable matner and reviewed in
- 4. Point to the first easies of the Confirment of the Parises sowing as the moting of the Confirment of the Confirmen
- 5. The Phetics included in America Indeeping the process of transition to a market common whom the same provides was calculated to the Confirment of the
- 6. Taking into account Article 4, paragraph 6, of the Convention, in the implementation of their commitments under this Protectel other than those under this Article, a certain degree of flexibility shall be allowed by the Conference of the Parties serving as the meeting of the Parties to this Protocol to the Parties included in Annex I undergoing the process of transition to a
- 7. In the first quantitude elements institution and robustumes commitment period, from 20% to 20% the singuised must be earth Period in human faulth to early stalls the early to the presentage instruction for its America field in aggregate authorogenitic cubos district equivalent entension in offer generationage point of a March An 10% of the Period period district equivalent entension in few which the period of the period period district entension in few which that does change and forestry constituted a set source of generations go entensions in 10% that district the 10% of the 10% of period the designed multipopular cuchon district equivalent entitions by sources misses removal by spike in 10% from land one change for the proposes of calculating their simple and around.
- Any Party included in Annex I may use 1995 as its base year for hydrofluorocarbons
 perfluorocarbons and sulphur betafluoride, for the purposes of the calculation referred to in
 parametels 7 above.
- Commitments for subsequent periods for Parties included in Annex I shall be established in amendments to Annex B to this Pastocol, which shall be adopted in accordance with the previous of Anticle 21, pumpraph 7. The Conference of the Parties soving as in teneding of the Parties to this Protocol shall institute the consideration of such commitments at least
- Any emission reduction units, or any part of an assigned amount, which a Party acquire from another Party in accomfance with the provisions of Article 6 or of Article 17 shall be adde to the assigned amount for the accounts Party.
- Any emission reduction units, or any part of an assigned amount, which a Party transfer to another Party in accordance with the provisions of Article 6 or of Article 17 shall be
- Any certified emission reductions which a Party acquires from another Party in accordance with the provisions of Article 12 shall be added to the assigned amount for the accordance butter.

.4.



- 13. If the emissions of a Party included in Annex I in a commitment period are less than its assigned amount under this Article, his difference shall, on request of that Party, be added to the saviened amount for that Party for subsecured commitment the reside.
- 14. Each Physical belief in Bases I stall relief to implement the commission transitional groupful flows in the way and training method exploration. Employed the Control of the Work o

Article 4

- 1. Any Paries included in Amer. I that have reached an agreement to fulfil their constraintness under Arctick 3 youity, shall be deemed to have met those constrainess provided that their test also confidence ageingt an attoropact carbon disoxide operation extensions of the greethouse goes listed in Amer. A do not exceed their assigned amounts calculated pressant to their quantified emission larndown continents in accordance with the provisions of Arctick 3. The majoritive emissions level allocated to each of
- The Parties to any such agreement shall notify the secretariat of the terms of the agreement on the date of deposit of their instruments of ratification, acceptance or agroval of this Protocol, or accession thereto. The secretariat shall in turn inform the Parties and
- Any such agreement shall remain in operation for the duration of the commitment perispecified in Article 3, paragraph 7.
- 4. If ratters acting postity so so is the transervoix of, and legitime wim, a repostate consoning integration expensation, any alternation in the composition of the organization alternation of this Protocol shall not affect existing commitments under this Protocol. Any alternation in the composition of the organization shall only apply for the purposes of those commitments under Article 5 that are adopted subsequent to that alternation.
- In the event of failure by the Parties to such an agreement to achieve their total combine level of emission reductions, each Party to that agreement shall be responsible for its own level
- 5. If Parties acting jointly do so in the funzework of, and together with, a repinal economic integration organization which is leaf if a type to the Protocol, and member State of that regional economic integration organization individually, and together with the regional economic integration organization acting its economic with Article 24 Acti, the revers of this parties or advantage of the total combined level of emission reductions, by responsible for its level of emission reductions, by responsible for its level of emission or during the combined level of emission reductions, by responsible for its level of emission or during the combined level of emission reductions, by responsible for its level of emission.

Article 5

- Each Party included in Amont I shall have in place, no later than one year prior to the start of the first constituting reprised, a susforal system for the estimation of authrospecies crussians by sources and merous's by places of all presentes upon an occurrical by the Mormosel Protocol. Guidelines for such national systems, which shall uncoperate the methodologiesy expectified in paragraph 5 below, shall be decided upon by the Contretence of
- of all probots goes not controlled by the formed Protect dolls be too usuaged by the Improvemental Part of Erican Caper and upon due to Conference of the Protections of the Protections of the Protections of the Protection of the
- 3. The global warning potentials used to calculate the cubes district expendience of the antiropage, mission is postured and removed by self-or global transport and transport postures and removed by pilot of greathering gas less less at subsequent and posture of the pilot of

Article 6

- For the purpose of meeting its commitments under Article 3, any Party included in Annex I may transfer to, or acquire from, any other such Party emission reduction units resulting from projects aimed at reducing anthropogenic emissions by sources or enhancing anthropogenic
 - (a) Any such project has the approval of the Parties involved;

















- - (a) Voluntary participation approved by each Party involved:



- (a) Assess, on the busis of all information made available to it in accordance with the previsions of this Protocol, the implementation of this Protocol by the Parties, the overall effects of the measures these preseauts to this Protocol, in puritudes environmental, consonic and social effects as well as their caraculative impacts and the estent to which progress towards the objective of the Commention is before achieved.
- (b) Periodically camine the obligations of the Panties under this Protocol, giving doe consideration to any reviews required by Article 4, paragraph? (d), and Article 7, paragraph 2, of the Convention, in the light of the objective of the Convention, the experience gained in its implementation and the evolutions of scientific and technological knowledge, and in this respect consider and adopting parlay regions on the implementation of his Protocol;
- (c) Promote and facilitate the exchange of information on measures adopted by th Parties to address climate change and its effects, taking into account the differing circumstant responsibilities and capabilities of the Parties and their respective commitments under this
- (d) Facilitate, at the request of two or more Parties, the coordination of measures adopted by them to address climate change and its effects, taking into account the differing circumstance, responsibilities and capabilities of the Parties and their respective commitment under this Protocol:
- (e) Present and guide, in accordance with the objective of the Convention and the provisions of this Protocol, and taking fully into account the relevant decisions by the Confirment of the Parties, the development and periodic refinement of comparable methodologies for the effective implementation of this Protocol, to be agreed on by the Confirment of the Parties service as the meeting of the Parties to this Protocol.
- (i) State reconstructions on any maters accessary on the impercentation of his Protocol;
- paragraph 2;

 (b) Exchilish such subsidiers hading as an desmand monocars; for the involvment state.
- Seek and wilizer, where appropriate, the services and cooperation of, and information provided by, competent international organizations and intergovernmental and
- Exercise such other functions as may be required for the implementation of this Protocol, and consider any assignment resulting from a decision by the Conference of the
- Protocol, and consider any assignment resulting from a decision by the Conference of the Parties.
- The rules of procedure of the Conference of the Parties and financial procedures applied under the Conversion shall be applied mutatir mutantils under this Protocol, except all may be otherwise decided by consensus by the Conference of the Parties serving as the meeting of the

- 6. The first session of the Conference of the Parties serving as the meeting of the Parties this Procosed shall be convened by the exercisation conjunction with the first session of the Conference of the Parties that is scholed after the date of the extra pass four of this Procose Conference of the Parties that is the conference of the Parties serving as the menting of the Parties is that Parties that the Parties and the Parties are this Parties to the Parties and the Pa
- 7. Extraordinary sessions of the Conference of the Parties serving as the meeting of the Parties to this Parties of that Parties when the Parties are the Parties to this Parties of the Parties serving as the meeting of the Parties to this Protocol, or at the written respect of any Party, provided that, within six months of the request being communicated to the Parties by the scenarias, it is supported by all text ore thin of the Parties.
- 8. The United Nations, in specialized agencies and the International Atomic Energy Agency, as well as any liber member herevised networks relative stays in the Consention, may be represented at sonious of the Contention, of the Parlies in the Thomas to discretize. As otherwise, and so there is that it forwards a deservers. Any shot of parties, whether tasted on instrumentally performanced in two generations, which is qualified in memory owned by the Thomas performance in two generations, which is qualified in memory owned by the Thomas Confirmed on the Parlies writing as the meeting of the Parlies is the Parlies within a state of the Parlies in the Parlies and Confirmed of the Parlies writing as the meeting of the Parlies in Parlies are the Confirmed of the Parlies within a the Confirmed of the Parlies writing as the meeting of the Parlies in Parlies are the Confirmed of the Parlies within a threat of the Parlies present object. The administration of the Confirmed of the Parlies within a threat of the Parlies present object. The administration and the Confirmed of the Parlies within a confirmed of the Parlie

Article 14

- The secretariat established by Article 8 of the Convention shall serve as the secretariat
- Article 8, paragraph 2, of the Convention on the functions of the secretariat, and Article 8, paragraph 3, of the Convention on amangements made for the functioning of the secretariat, shall apply smaller materials to this Protocol. The secretariat shall, in addition.

Article 15

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- Parties to the Convention that are not Parties to this Protocol may participate as observer in the proceedings of any session of the subsidiary bodies. When the subsidiary bodies serve as the subsidiary bodies of this Protocol, decisions under this Protocol shall be taken only by those the subsidiary bodies of this Protocol, decisions under this Protocol shall be taken only by those
- 3. When the subsidiary bodies established by Articles 9 and 10 of the Convention exercise their functions with regard to matters concerning this Protocol, any member of the Bureaux of those subsidiary bodies representing a Party to the Convention but, at that time, not a party to this Protocol, shall be replaced by an additional member to be elected by and from amongst the

Article 16

The Conference of the Parties serving as the meeting of the Parties to this Protocol shall, as soon as practicable, consider the application to this Protocol of, and modify as appropriate, the availableand consistance process referred to a Article 15 of the Convertion, in the layer layer relevant decisions that may be taken by the Conference of the Parties. Any antidiatend consistance process that may be applied to this Protocol shall general without prejudent to the consistance process that may be applied to this Protocol shall general without prejudent to the project to the consistance of the contract of the Parties. Any article contract and the Parties of the Par

Article 17

The Conference of the Parties shall define the relevant principles, modalities, rules and guideline, in particular for verification, reporting and accentability for emissions tuding. The Parties included in Ames E may participue in emissions tuding the fee purposes of hilling their commitments under Article 3. Any such trading shall be supplemental to democite actions for the purpose of medicing quantified emission limitation and relations constitutes under that

Article 18

The Conference of the Paries serving as the morting of the Paries to this Protocol bads, it is first season, agrowe appropriate and efficies procedures and mechanisms to desirants and to address cases of non-compliance with the provisions of this Protocol, including through the development of an indicative list of consequences, taking into account the cases, type, depart and frequency of the coregulates. Any procedures and mechanisms under this Archive entailing

Article 19

Article 20

Any Party may propose amendments to this Protocol.

 Amendments to this Protocol shall be adopted at an ordinary session of the Conference of the Parties serving as the meeting of the Parties to this Protocol. The text of any proposed six months before the meeting at which it is proposed for adoption. The secretarist shall all communicate the text of any proposed amendments to the Parties and signatories to the Communication and for information, to the Depositors:

- 3. The Parties shall make every effort to much agreement on any proposed amendment to this Phasco by conscense. If all efforts at consensus have been exhausted, and no agreement reached, the amendment shall as a last mess the adapted by a three-fourths majorly west of the Parties present and voting at the meeting. The adopted amendment shall be communicated by
- 4. Instruments of acceptance in respect of an amendment shall be deposited with the Depositary. An amendment adopted in accordance with puragraph 3 above shall enter into fonce for those Parties having accepted in on the ninestelf day after the date of receipt by the Depositary of an instrument of acceptance by at least three fourths of the Parties to this Protocol.
- The amendment shall enter into force for any other Party on the ninetieth day after the date on which that Party deposits with the Depositary its instrument of acceptance of the said

Article 21

- Anaesses to this Protocol shall form an integral part thereof and, unless otherwise expressly provided, a reference to this Protocol constitates at the same time a reference to any ameness thereto. Any americas adopted after the entry into foor cot this Protocol shall be restricted to lists, forms and any other material of a descriptive nature that is of a scientific, reducing a reconstitute of authoristories throughout.
- Any Party may make proposals for an annex to this Protocol and may propos
- 3. Assection to this Protocol and amendments to assection to this Protocol shall be adopted at an ordinary session of the Conference of the Parties serving as the merting of the Parties to this Protocol. The text of any proposed areas or amendment to an one-table to commissioned to the Parties by the excretains at least oil morths before the meeting as which it is proposed for adoption. The secretarish and lase commissions the text of any proposed name or amendment to an assect to the Parties and signaturies to the Convention and, for information, to the
- 4. The Paries shall make every effort to much agreement on any proposed annex or amendment to an annex by consense. If all efforts a comesson have been exhausted, and no agreement reached, the autor or amendment to an annex shall no a lart reserve be adopted by a three-foorth negative word of the Pariest present and voting at the meeting. The adopted annex or amendment to a more shall be to amendment to an areas shall be commensually by the next test the Depository, who shall not also also the pariest test the Depository, who shall not also the pariest test the Depository of the pariest test that the pariest test the Depository is the pariest test that the pariest test t
- 5. An anex., or amendment to an annex ofter than Anex. A or B, that has been adopted in accordance with paragraphs 3 and 4 above shall enter into force for all Parties to this Protocol six months after the date of the communication by the Depositary to such Parties of the adoption of the arnex or adoption of the arrendment to the annex, except for those Parties that have



onfied the Depositary, in writing, within that period of their non-acceptance of the annex or mendment to the annex. The sanex or amendment to an annex shall enter into force for Parties which withdraw their notification of non-acceptance on the nineticth day after the date on which

- If the adoption of an annex or an amendment to an annex involves an amendment to this Protocol, that annex or amendment to an annex shall not enter into force until such time as the amendment to this Protocol enters into force.
- A Amendments to America A and it to that it removes that the adopting and enter man recent in accordance with the procedure set out in Article 20, provided that any amendment to Annex B shall be adopted only with the written consent of the Party concerned.

Article 22

- Each Party shall have one vote, except as provided for in paragraph 2 below.
- Regional economic integration organizations, in matters within their competence, shall service their right to vote with a number of votes equal to the number of their member States that are Parties to this Protocol. Such an organization shall not exercise in right to vote if any if its number States exercises in right, and vice versa.

Article 23

Secretary-General of the United Nations shall be the Depositary of this Proto

Article 24 This Protocol shall be open for signature and subject to ratification, a sense of the States and reviewal recognition interesting open actions which are

- approval by States and regional consonic intergetion organizations which not Parlies to the Consertion. In State Deepe for signature at United Naison Bardagasters in New York from 16 Marsh 1998 to 15 March 1999. This Prostocol shall be open for accessions from the day after the date on which is closed for signature. Instruments of ratification, acceptance, approval or accession shall be deposited with the Depository.
- 2. Any repeated consense: intergrations regulatations which becomes a Party to that Probuced without any of its member States being a Party ability to be any self-reduced in the Case of such engaginations, one or mere of whose member States in Party to this Pratuced, the engagination and the member Postate is all Party to such in Party and Case of their ordering configuration and the member States shall not be entitled to exercise rights under this Protocol. In such cases, the organization and the member States shall not be entitled to exercise rights under this Protocol.
- In their instruments of nutification, acceptance, approval or accession, regional ocusous integration organizations shall declare the extent of their competence with respect to the matter governed by this Potocol. These organizations shall also inform the Depositury, who shall in turn inform the Parties, of any substantial modification in the extent of their competigle.

Article 25

- This Protocol shall enter into force on the ninetieth day after the date on which not less than 55 Parties to the Convention, incorporating Parties included in Annex I which accounted in total for at least 55 per cent of the total carbon disorder emissions for 1990 of the Parties included in Annex I, have deposited their instruments of multifaction, acceptance, approval or accession.
- For the purposes of this Article, "the total curbon distrible eminsions for 1990 of the Parties included in Annex IT means the amount communicated on the fore the date of adoption of this Protocol by the Parties included in Annex I in their first national communications submitted in accordance with Article 12 of the Convention.
- For each State or regional economic integration organization that natifies, accepts or approves this Protocol or acordes thereto after the conditions set out in paragraph 1 above for entry into force have been fulfilled, this Protocol shall enter into force on the interieth day following the date of deposit of its instrument of antification, acceptance, approved or accession.
- For the purposes of this Article, any instrument deposited by a regional economic integration organization shall not be counted as additional to those deposited by States members of the organization.

Article 2

nade to this Protocol.

- a Party, that Party may withdraw from this Protocol by giving written notification to the positary.
- Any such withdrawal shall take effect upon expiry of one year from the date of receipt by the Depositary of the notification of withdrawal, or on such later date as may be specified in the
- ottnication of withdraws.

 Any Party that withdraws from the Convention shall be considered as also havin

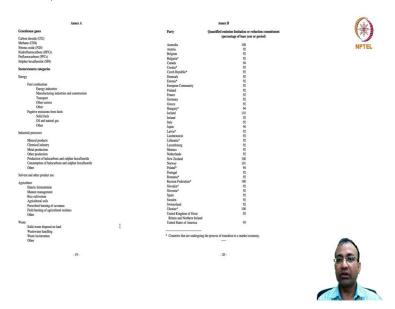
Article 2

- The original of this Protocol, of which the Arabic, Chinese, English, French, Russian and Spanish texts are equally authentic, shall be deposited with the Socretary-General of the
- DONE at Kyoto this eleventh day of December one thousand nine hundred and
- IN WITNESS WHEREOF the undersigned, being duly authorized to that effect, have

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So, I am leaving you here, maybe you should read this document with your lessor. We will go on to the next unit.

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We will move on to the next unit. Now, this is about Paris Agreement, which happened in year 2015. The Paris Agreement, often referred to as the Paris Accords, or the Paris Climate Accords is an international treaty on climate change, adopted in 2015. The agreement covers climate change mitigation, adaptation, and finance.

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Paris Agreement





Picture from that time.

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Paris Agreement



Climate change is a global emergency that goes beyond national borders. It is an issue that requires international cooperation and coordinated solutions at all levels.

To tackle climate change and its negative impacts, world leaders at the UN Climate Change Conference (COP21) in Paris reached a breakthrough on 12 December 2015: the historic Paris Agreement.

UN SDGs - Module 29



Climate change is a global emergency that goes beyond national borders. It is an issue that requires international cooperation and coordinated solutions at all levels. To tackle climate change and its negative impacts, world leaders at the UN Climate Change Conference COP21 in Paris reached a breakthrough on 12 December, 2015, the historic Paris Agreement. So, this was also one of the COP's like COP21. And this is known as a historic Paris Agreement. And a lot of new changes, a lot of new modalities were brought we will see in the coming slides.

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The agreement sets long term goals to guide all nations. Substantially reduce global greenhouse gas emissions to limit the global temperatures increase in this century to 2 degrees Celsius while pursuing efforts to limit the increase even further to 1.5 degrees. So, you may have heard by now this centigrade this change. To all of this, actually, as usual it is going at the rate of 4 degrees centigrade, it is going to change. But the effort is to minimize that and bring it to 1.5 degrees change from the earlier years.

So, global warming is happening, and it is a fact without any denial, but the only thing is to reduce that acceleration, reduce that change to an extent, which were still the planet can survive. So, you can just imagine it is such a cut-throat situation it is such a threshold. If you exceed, you cannot escape the consequences, the catastrophes which are going to come as a consequence to this phenomenon.

So, this whole agreement Paris Agreement, what we know in all of these COP's which are occurring over long time and also made these conventions, etcetera, etcetera they are for eventually this purpose. So, review countries' commitments every 5 years like all country's commitments. Provide financing to developing countries to mitigate climate change, strengthen resilience and enhance abilities to adapt to climate impacts.

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Paris Agreement





The Agreement is a legally binding international treaty. It entered into force on 4 November 2016. Today, 194 Parties (193 States plus the European Union) have joined the Paris Agreement.

The Agreement includes commitments from all countries to reduce their emissions and work together to adapt to the impacts of climate change, and calls on countries to strengthen their commitments over time. The Agreement provides a pathway for developed nations to assist developing nations in their climate mitigation and adaptation efforts while creating a framework for the transparent monitoring and reporting of countries' climate goals.

The Paris Agreement provides a durable framework guiding the global effort for decades to come. It marks the beginning of a shift towards a net-zero emissions world. Implementation of the Agreement is also essential for the achievement of the Sustainable Development Goals.

UN SDGs - Module 29

Dr. Shiva Ji IIT Hyderabad, India



The agreement is a legally binding international treaty. It entered into force on fourth November 2016. Today, 194 Parties; 193 States plus the European Union have joined the Paris Agreement. The agreement includes commitment from all countries to reduce their emissions and work together to adapt to the impacts of climate change, and calls on countries to strengthen their commitments over time.

The agreement provides a pathway for developed nations to assist developing nations in their climate mitigation and adaptation efforts while creating a framework for the transparent monitoring and reporting of countries climate goals. The Paris Agreement provides a durable framework guiding the global efforts for decades to come.

It marks the beginning of a shift towards a net zero emissions world. Implementation of the agreement is also essential for the achievement of the Sustainable Development Goals. So, well, since this temperature rise is anyways related to anything and everything. Definitely, it touches everyone's life, every entities existence on this planet.

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How does it work?



The Paris Agreement works on a five- year cycle of increasingly ambitious climate action carried out by countries. Every five years, each country is expected to submit an updated national climate action plan - known as Nationally Determined Contribution, or NDC.

In their NDCs, countries communicate actions they will take to reduce their greenhouse gas emissions in order to reach the goals of the Paris Agreement. Countries also communicate in the NDCs actions they will take to build resilience to adapt to the impacts of rising temperatures.

UN SDGs - Module 29



Well, how does it work? The Paris Agreement works on a five-year cycle of increasingly ambitious climate action carried out by countries. Every five years, each country is expected to submit an updated National Climate Action Plan known as Nationally Determined Contribution or NDC. You remember this term, it will keep coming. In their NDCs countries communicate actions, they will take to reduce their greenhouse gas emissions in order to reach the goals of the Paris Agreement. Countries also communicate in the NDCs actions they will take to build resilience to adapt to the impacts of rising temperatures.

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How does it work?



In 2023, the first "global stocktake" will assess progress on Paris Agreement goals. This process will further encourage countries to take ambitious climate actions that keep warming below 1.5 degrees Celsius.

To better frame the efforts towards the long-term goal, the Paris Agreement invites countries to formulate and submit long-term strategies. Unlike NDCs, they are not mandatory.

The operational details for the practical implementation of the Paris Agreement were agreed on at the UN Climate Change Conference (COP24) in Katowice, Poland, in December 2018, in what is colloquially called the Paris Rulebook, and finalized at COP26 in Glasgow, Scotland, in November 2021.

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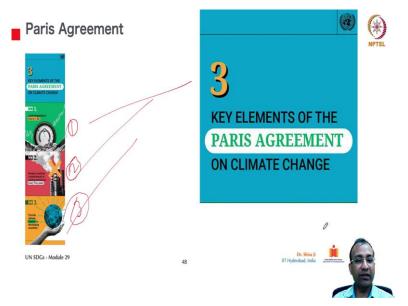


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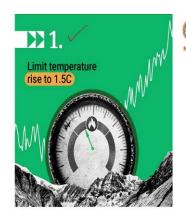


So, the three major key elements of Paris Agreement on climate change, you can see them here. The first one, limit temperature rise to 1.5 degrees centigrade, review country's commitments to cutting emissions every five years and provide climate finance to developing countries.

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Paris Agreement





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Paris Agreement





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Paris Agreement





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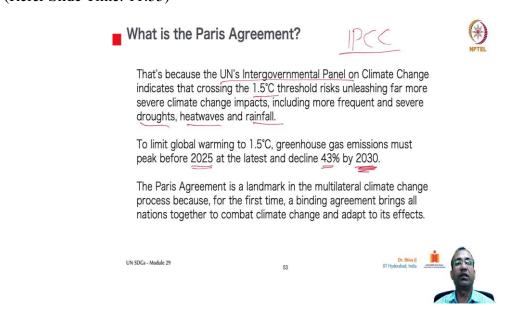
You can see the first one. The second one, cutting emissions every 5 years. The first one talks about limiting the temperature, controlling the emissions. And third one, financing, provide climate financing.

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So, what is the Paris Agreement? The Paris Agreement is a legally binding international treaty on climate change. It was adopted by 196 Parties that we have seen. And this control in temperatures to the above pre-industrial levels.

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That is because UN Intergovernmental Panel IPCC. Well, there is an Intergovernmental Panel on Climate Change, there is a UN's Intergovernmental Panel Climate change also. Indicates that crossing the 1.5 degrees threshold risks unleashing far more severe climate change

impacts including more frequent and severe droughts, heat waves and rainfalls. So, you may have seen like these disturbances and what may be happening in your state in your place.

The weather disturbances, the climatic disturbances they used to be maybe rare occurrences in the older times, but now their occurrences are like happening more. Either there is too much of water or there is no water. Causing droughts and floods, heat waves. And sometime even pest infestation also. To limit global warming to 1.5 degrees centigrade, greenhouse gas emissions must peak before 2025 at the latest and declined 43 percent by 2030.

That is the target set to just critically able to manage this rise. The Paris Agreement is a landmark in the multilateral climate change process because for the first time a binding agreement brings all nations together to combat climate change and adapt to its effects.

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How does the Paris Agreement work?



Implementation of the Paris Agreement requires economic and social transformation, based on the best available science. The Paris Agreement works on a five-year cycle of increasingly ambitious climate action — or, ratcheting up — carried out by countries. Since 2020, countries have been submitting their national climate action plans, known as nationally determined contributions (NDCs). Each successive NDC is meant to reflect an increasingly higher degree of ambition compared to the previous version.

Recognizing that accelerated action is required to limit global warming to 1.5°C, the COP27 cover decision requests Parties to revisit and strengthen the 2030 targets in their NDCs to align with the Paris Agreement temperature goal by the end of 2023, taking into account different national circumstances.

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Nationally Determined Contributions (NDCs)



In their NDCs, countries communicate actions they will take to reduce their greenhouse gas emissions in order to reach the goals of the Paris Agreement. Countries also communicate in their NDCs actions they will take to build resilience to adapt to the impacts of climate change.

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So, NDCs, in their NDCs countries communicate actions they will take to reduce their greenhouse gas emissions in order to reach the goals of the Paris Agreement. Countries also communicate in their NDCs actions they will take to build resilience to adapt to the impacts of climate change. So, now, you know what NDCs are.

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How are countries supporting one another?



The Paris Agreement provides a framework for financial, technical and capacity building support to those countries who need it.

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Well, how countries are supporting each other. The Paris Agreement provides a framework for financial, technical and capacity building support to those countries who need it. So, this platform is existing.

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Finance, the Paris Agreement reaffirms that developed countries should take the lead in providing financial assistance to countries that are less endowed and more vulnerable, while for the first time also encouraging voluntary contributions by other Parties. Climate finance is needed for mitigation, because large-scale investments are required to significantly reduce emissions.

Climate finance is equally important for adaptation, as significant financial resources are needed to adapt to the adverse effects and reduce the impacts of a changing climate. Well, financing we have discussed in the previous module and why it is essential.

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Technology, another important factor because unless and until you do not have green technology, how are we going to like replace your conventional tech. So, it is a very important factor. The Paris Agreement speaks of the vision of fully realizing technology development and transfer of both improving resilience to climate change and reducing GHG emission. It establishes the technology framework to provide overarching guidance to the well-functioning technology mechanism. The mechanism is accelerated in technology development and transferred through its policy and implementation arms.

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How are we tracking progress?



With the Paris Agreement, countries established an enhanced transparency framework (ETF). Under ETF, starting in 2024, countries will report transparently on actions taken and progress in climate change mitigation, adaptation measures and support provided or received. It also provides for international procedures for the review of the submitted reports.

The information gathered through the ETF will feed into the Global stocktake which will assess the collective progress towards the long-term climate goals.

This will lead to recommendations for countries to set more ambitious plans in the next round.

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Well, what have we done so far? What have you achieved so far? Although climate change action needs to be massively increased to achieve the goals of the Paris Agreement, the years since its entry into the force have already sparked low carbon solutions and new markets. More and more countries, regions, cities and companies are establishing carbon neutrality targets. Zero carbon solutions are becoming competitive across economic sectors representing 25 percent of emissions.

This trend is more noticeable in the power and transport sectors and has created many new business opportunities for early movers. So, you may be knowing push towards the green technology green solutions is already on the rise. In Indian scenario also if you see there is push coming from government to launch like electric vehicles replacing the hydrocarbon-based vehicles. And for power generation also pushing for greener solutions.

So, in a way that the similar kind of things are happening in different countries changing the whole scenario over the years. So, this drastic change definitely will bear fruits. By 2030, zero-carbon solutions could be competitive in sectors representing over 70 percent of global emissions. So, this is the target because this cannot be achieved in a year or two.

So, it requires long time persistent effort. So, the checks and measures, which at these summits, these conventions are bringing is really appreciable, because then unless and until these checks are not there, true sense of achieving these things may not be able to achieved. So, that is why it is essential. So, now, we will see the like these (())(18:16) does. Just give me a minute.

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So, let us see the Paris Agreement document, which was released by United Nations in the year 2015. This document, Paris Agreement, the Parties to this agreement, being Parties to the United Nations Framework Convention on Climate Change, hereinafter, referred to as the convention. Pursuant to the Deauville platform for enhanced action established by decision.

In pursuit of the objective of the convention and being guided by principles recognizing the need for an effective and progressive response to the urgent threat of climate change on the basis of the best available scientific knowledge, also recognizing the specific needs and special circumstances of developing country Parties, taking full account of the specific needs, recognizing that Parties may be affected not only by climate change, but also by the impacts of measures taken in response to it.

Emphasizing the intrinsic relationship that climate change actions, responses and impacts have with the equitable access. Recognizing the fundamental priority of safeguarding, food security and ending hunger, etcetera.

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- Each purty to such an agreement shall be responsible for its extission level as t in the agreement referred to in paragraph 16 of this Article in accordance aragraphs 13 and 14 of this Article and Articles 13 and 15.

- coupline that some Parties choose to pursue voluntary occupation entation of their nationally determined communities to allow for in in their mitigation and adaptation actions and to promote elopinest and environmental integrity.



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- Emission reductions resulting from the mechanism referred to in paragraph 4 of this Article shall not be used to detromstrate achievement of the host Party's mationally determined contribution if used by another Party to demonstrate achievement of its regionally determined contribution.











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- (a) Sharing information, good practices, experiences and leasons learned, including, as appropriate, as these relate to science, planning, policies and implementation in relation to adaptation actions;
- (b) Strengthening institutional arrangements, including those under the Convention that serve this Agreement, to support the synthesis of relevant information and knowledge, and the provision of technical support and guidance to Parties.

- (d) Monitoring and evaluating and learning from adaptation plans, policies, programmes and actions; and

(e) Building the milience of socioeconomic and coological systems, including through economic diversification and sustainable management of natural resources.

- 14. The global stocktake referred to in Article 14 shall, inter alia:
- (a) Recognize adaptation efforts of developing country Parties; (b) Enhance the implementation of adaptation action taking into account the adaptation communication referred to in paragraph 10 of this Article;
- (c) Review the adequacy and effectiveness of adaptation and support provided for adaptation; and
- (d) Review the overall progress made in achieving the global goal on adaptation referred to in paragraph I of this Article.













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The Wavaw International Mechanism shall cullaborate with existing holies and expert groups under the Agreement, as well as relevant organizations and expert holies conside the Agreement.
 Article 9



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Article 22

The provisions of Article 15 of the Convention on the adoption of antendrems to the Convention shall apply reason makendo to this Agreement.





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Taking into account the imperatives of a just transition to the workforce and the creation of decent work and quality jobs in accordance with nationally defined development priorities. Acknowledging that climate change is a common concern for humankind. Recognizing the importance of the conversation and enhancement. Noting the importance of ensuring the integrity of all ecosystems.

Affirming the importance of education, training, public awareness, etcetera. Recognizing the importance of the engagement at all levels of government and various actors. And also recognizing that sustainable lifestyle and sustainable pattern of consumption and production, with developed country Parties taking the lead, play an important role in addressing climate change.

Have agreed as follows. So, now these are articles. So, this actually Paris document is also available online freely for you to download and read, I would suggest you should go in your free time and read all of these articles and understand why these are essential and why these are mandatory things to bring positive change on our planet. So, these are the articles listed down over here. It is a comprehensive 27-page document and it contains total 29 articles. So, we will move on to the next unit.