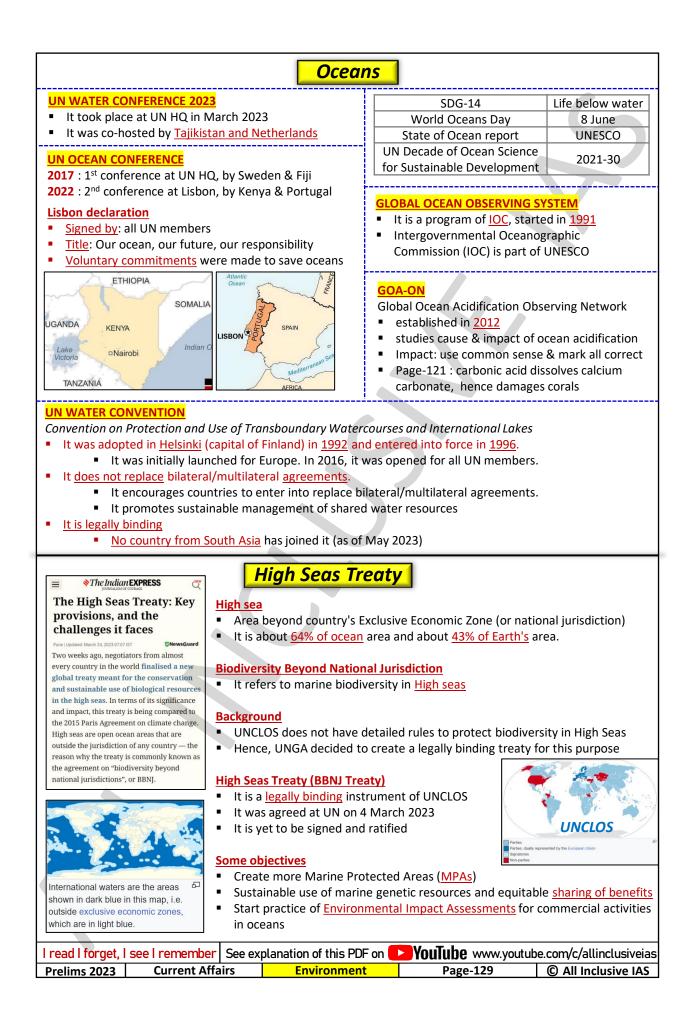


Sea level rise The Indian EXPRESS The Indian EXPRESS Explained: What is 'zombie ice', how it threatens to raise global sea levels by over 10 inches	 Ice by It's It i 	ie ice / Dead ice / Doome e that is not getting repler parent glacier. s melting will increase sea s <u>attached</u> to ice-sheet? <u>Y</u> cloats on sea like ice-berg	level. (es	Ice Sheet
Sharm El Sheikh, EgyptNovember 2022✓✓CMA-4 (Paris Ag)✓✓CMP-17 (Kyoto Pr)✓✓COP-27 (UNFCCC)✓SBI-57✓SBSTA-57	COP-27 Two permanent subsidiary bodies of UNFCCC (for CMA /CMP /COP) SBI - Subsidiary Body for Implementation SBSTA - Subsidiary Body for Scientific and Technological Advice <u>Purpose</u> : SBSTA gives advice, SBI monitors implementation <u>Frequency</u> : two meetings a year (UNFCCC meets annually since 1995)			
 At CoP-27, India opposed discussions under the Koronivia Joint Work on Agriculture (KJWA) Koronivia Joint Work on Agriculture It was established at <u>COP-23</u> in Fiji in 2017 It recognizes potential of agriculture in tackling climate change. It is the only program under UNFCCC to focus on agriculture and food security. six topics related to soils, nutrient use, water, livestock, methods for assessing adaptation, and the socio-economic and food security dimensions. 				
 At CoP-27, India submitted its L Long-Term Low Emission Da 2015 COP-21 (Paris) asked a 2021 COP-26 (Glasgow) urg submitted LT-LEDS, to do so 2022 COP-27 India submitted Unlike NDCs, <u>LT-LEDS are no</u> Prepared by which ministry 	evelopmo all memb ged count o by COP ed its LT- <u>ot manda</u>	ers to submit LT-LEDS tries that have not 27 LEDS atory	Features of India's I Transition from f Increase use of b Sustainable urba Increase forest c Lifestyle for Envi and so on	iossil fuels hiofuels nization over
At CoP-27, India launched "In our LiFEtime" campaign COP-26: "LiFE" campaign launched by India Lifestyle for Environment - people should adopt <u>sustainable lifestyle</u> COP-27: "In our LiFEtime" campaign launched by India (with UNDP) <u>18 to 23 years olds</u> should become messenger of sustainable lifestyle				
 Stockholm convention aka Cor 2001: signed, 2004: came i 2020: Cabinet approved rat delegated its powers to to I National Implementation PI Global Environment Facility Did you know? While ratifying the treaty in 20 Hence, any amendment in ann 	nvention nto force ification MEA and lan is sub ((GEF) pr 06, India	e, 2006: India ratified it of seven more chemicals, MoEFCC mitted and updated by ea ovides the financial mech chose the "opt-out" optic	and for future ratificatio ach party anism for this convention	n
nence, any amendment in ann		st of chemicals) cannot be	emorceu on us, unul we	approvent

Stockholm Conference STOC				
 Stockholm+50 It was convened by <u>UNGA</u>, at Stockholm, Sweden, during June 2-3, 2022 Theme: A healthy planet for the prosperity of all - our responsibility, our opportu 	nity			
 Stockholm Conference (Theme : Only One Earth) UN Conference on Human Environment It was convened by <u>UNGA</u>, at Stockholm, Sweden, during June 5-16, 1972 <u>Stockholm Declaration</u> was adopted, which contained 26 principles It led to creation of <u>UNEP</u> (see page-4 for UNEP) 				
 Some facts about Stockholm Conference 1972 It was the first global conference to make <u>environment a major issue</u> It was the first UN conference with the word "<u>environment" in title</u> It was the first UN event that supported <u>civil society</u> participation Sweden gave idea to ECOSOC to organize a conference on human interactions with <u>Maurice Strong</u> (of Canada) was Secretary-General of the Conference. <u>U Thant</u> with <u>Soviet Union</u> and other Warsaw Pact nations boycotted the conference Indira Gandhi was the only Head of Govt/State at the conference (other than the 	as UN Secretary-General.			
1972: Indira Gandhi attended Stockholm Conference 1972: National Museum of Natural History created 1972: Wild Protection Act enacted 1976: 42 nd amendment made environment protection DPSP (48A) and FD (51A)				
 National Museum Of Natural History It was established in <u>1972</u>, opened in <u>1978</u> (5th June) It was at <u>New Delhi</u>, under <u>MoEFCC</u> It was destroyed in a fire in <u>2016</u> New building is still under construction (as of May <u>2023</u>) 				
World Environment dayEvery year on 5th June, since 19732018Host : IndiaTheme : Beat Plastic Pollution2022Host : SwedenTheme : Only One EarthNot to be confused with Earth Day (22nd April since 1970)				
From class-1 page-12 1972 - UN Conference on <u>Human Environment</u> (aka Stockholm Conference) at Stockholm 1992 - UN Conference on <u>Environment & Development</u> (aka Rio Earth Summit) at Rio de Janeiro, Brazil 2012 - UN Conference on <u>Sustainable development</u> (aka Rio+20) at Rio de Janeiro, Brazil				
 United Nations Environment Assembly It is UNEP's governing body (It replaced Governing Council) It is world's highest-level decision-making body on environment. It was created in 2012, during UN Conference on Sustainable Development (Rio+ It has universal membership of all 193 UN members 5th session took place in February 2022 (It meets every two years in Nairobi, Keny 	ya)			
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Great Blue Wall

Great Blue Wall

- It is inspired from Great Green wall (class-8 page-109)
- It is an <u>African initiative</u> in Western Indian Ocean
- It was launched at 2021 <u>COP26</u> at Glasgow

Objectives

- Create marine protected areas (MPAs) to protecting 30% of ocean by 2030
- create sustainable blue economy with millions of jobs
- and many more....

Launched by: (don't learn names, just see location)

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Comoros, Kenya, Madagascar, Mauritius, Mozambique, Seychelles, Somalia, South Africa, Tanzania and France, (La Réunion of France is in Indian Ocean)

India's NDCs

Nationally Determined Contribution

Quantitative targets by 2030	NDC submitted in 2015	NDC submitted in 2022	Our progress
Reduce emissions intensity of GDP compared to 2005 levels	33-35%	45%	24% by 2016 28% by 2022
(Installed capacity) Electricity from non-fossil sources	40%	50%	42% by 2022
Create additional carbon sink through forest and tree cover	2.5 to 3 billion tonnes of CO2 equivalent	Same	

<u>NDC</u>

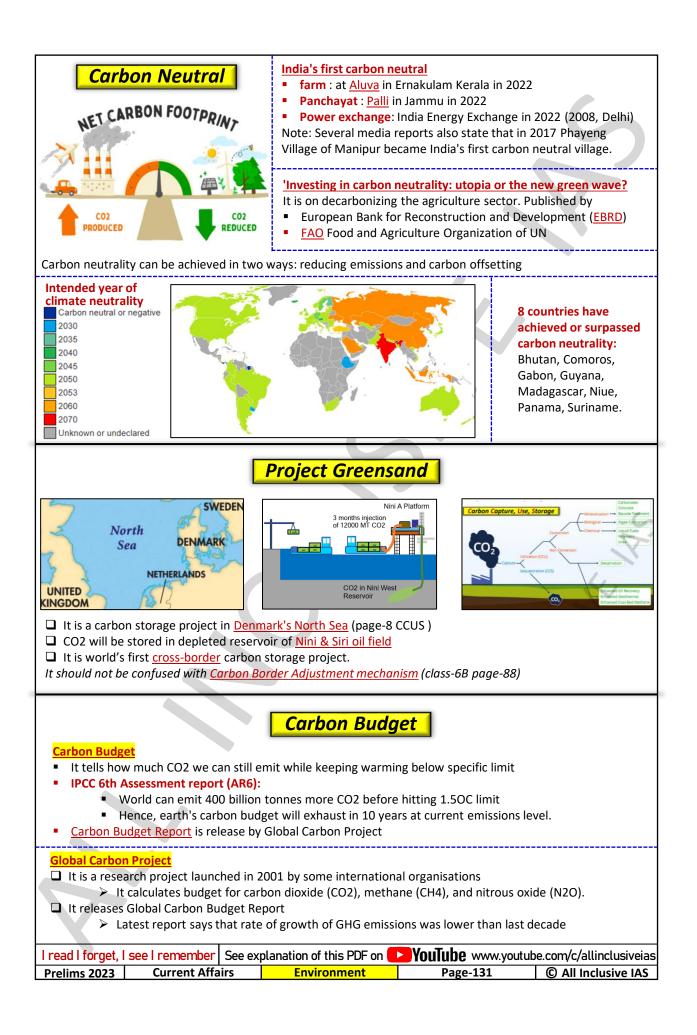
Prelims 2023

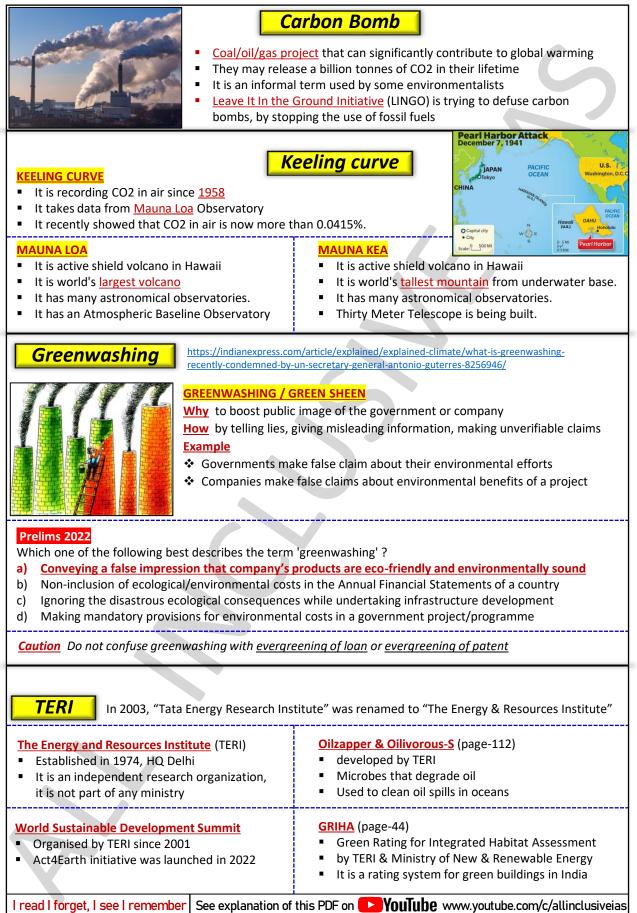
- These are <u>non-binding</u> national plans to achieve Paris agreement targets
- Countries themselves design their NDCs, and updates it every 5 years

Current Affairs

NDC also has some qualitative targets like sustainable lifestyle, climate friendly economic development, get funds from developed	<mark>Carbon neutral</mark> Net zero by 2070 is not India's NDC		
countries for mitigation & adaptation, etc	 Panchamrit at COP-26 (page-104) It was just a speech by PM Modi 		
 NDC Synthesis Report Published by UNFCCC It has summary of NDC of various countries 	 It was just a speech by PM Modified It was not India's NDCs NDCs are submitted to UNFCCC in writing In 2015, we submitted NDC for the first time In 2022 we updated those NDCs 		
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Environment





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	Miscellar	eous]		
Arctic Report Card Released by US National Oceanic and Atmospheric Administration (NOAA)	Ozone Depleting Gas Ind Released by US National Oceanic and Atmospheric Administration (NOAA)		Ozone As per a UN study, Ozone layer is recovering, and will fully recover to 1980 level in next 20-50 years.		
 Inclusive Forum on Carbon Mi by OECD in 2023 To help all countries in emi 	i <mark>tigation Approach</mark> ssion reduction by mutual lea	arning, dat	ta sharing, etc		
 Giving to Amplify Earth Action (GAEA) by World Economic Forum in 2023 It aims to mobilize \$ 3 trillion funds (public + private) annually for climate change It will help in achieving net zero by 2050, protect biodiversity, etc. 					
 Cap and Trade aka Emissions Trading Companies are given emiss Companies can buy/sell cat See carbon trading on page 	rbon emissions	 Small Grants Program: It was launched by GEF in 1992 It is implemented by UNDP It gives grants up to \$50,000 It gives financial and technical support to programs that conserve environment 			
 Mission Possible Partnership It is an alliance of climate leaders (not governments) It persuades companies to reduce carbon emissions World Economic Forum is one of its core partners 			 while improving people's life In India, it is implemented by UNDP, MoEFCC and TERI For Global Environment Facility, see page-5 		
 2021 COP-26 Glasgow: Sou 	(grant, loan, investment) elp coal-dependent developir <u>th Africa</u> was promised \$ 8.5 vas promised \$20 billion in po	billion fina	ance by USA, UK, EU, France, Germany		
Polluter pays principleThose who pollute must be	ar cost of cleaning it				
	be taken when doing sometl of big infra project is unknow	-	e <u>results are weakly understood</u> EIA study is done		
 Planetary boundaries It is a framework to describe impact of human activities on Earth. Beyond these boundaries, <u>environment will not be able to self-regulate</u>. 					
Global Energy Monitor US based NGO founded in 2008 Maintains database of coal fired power plants, oil extraction sites, renewable infra, etc.					
 Gross Domestic Climate Risk Report by Cross Dependency Initiative (it specializes in climate risk analysis) As per this report, India has 9 states in 50 high risk states 					
 Terraforming of Mars It is a hypothetical concept of <u>planetary engineering</u> It says that we should modify Mars atmosphere to make it <u>suitable for human life</u> 					
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