

ENVIRONMENT - 2

1. THE BIOLOGICAL DIVERSITY ACT 2002

- 3 aims {
 - Conservation of BD
 - Sustainable use
 - fair and equitable sharing of benefits
- Setup institutions NBA → SSB → BMC
- prior approval from NBA
- BMC - PBDR - Peoples BD Register

2. BIODIVERSITY AMENDMENT BILL 2021

- exemption to AYUSH medical practitioners
- exempt cultivated medicinal plants
- fast tracking patent application
- decriminalisation of offences

3. CONVENTION ON BIOLOGICAL DIVERSITY CBD

- International legally binding convention
- 3 aims {
 - Conservation of BD
 - Sustainable use
 - fair and equitable sharing of benefits
- Imp protocols
 - 1) Cartagena protocol - protect BD from 'Living modified organisms' (LMO)
 - 2) Nagoya protocol - Access to genetic resources and FESB
- Aichi BD targets (2011-20)

4. COP-15 TO CBD KUNMING DECLARATION

- held at Kunming China
- Theme - Ecological civilization: building a shared future for all life on earth
- adopted 30 by 30 targets
 - protect 30% earth's land & oceans by 2030
- Kunming BD Fund → proposed by China

5. UNFCCC - COP 26, 2021

- @ Glasgow, England
- 4 goals
 - secure global net zero by 2050 and keep 1.5° alive
 - adapt to protect communities and natural habitats
 - mobilise finance
 - work together to deliver
- outcomes
 - Developed countries net zero by 2050
 - Phase down unabated coal
 - fund Santiago network
 - Carbon credit to be used in meeting first INDC targets

6. India's climate goals - 'Panchamrit'

- Net zero by 2070
- Non fossil fuel energy capacity - 500 GW by 2030
- Renewable energy - 50% requirements by 2030
- Carbon emission - reduce 1 billion tonnes till 2030
- Carbon intensity - reduce by 45% by 2030

→ Side deals

- ### 7. → Global methane Pledge
- launched at COP 26
 - announced by USA & EU
 - cut down methane emissions by upto 30% from 2020 levels by 2030
 - India is not a signatory

8. CLYDEBANK DECLARATION

- establish zero emission maritime routes - green shipping corridors

INDIAN INITIATIVES

9. ONE SUN ONE WORLD ONE GRID (OSOWOG)

- launched by India & UK
- Green Grid initiative - global interconnected solar power grids
- first floated by India in 2018 during the first assembly of ISA
- 3 Phases
 - interconnectivity within Asia
 - Add Africa
 - Global connectivity

10. INFRASTRUCTURE FOR RESILIENT ISLAND STATES (IRIS)

- Launched @ COP 26
- Co-created by CDRI & SIDS
- It will contribute to 'Samoa Pathway' (SIDS Accelerated Modalities of Action)
- 3 intended outcomes
 - improve the resilience of SIDS infrastructure
 - strengthen knowledge and partnership
 - promote gender equality and disability inclusion through resilient infra

11. IPCC

- Intergovernmental body for assessing the science related to the climate change
- Estbd in 1988 by UNEP + WMO, HQ. Geneva
- It shared the 2007 Nobel Peace Prize.

12. MAB PROGRAMME UNESCO

- Intergovernmental scientific programme that aims to establish a scientific basis for enhancing the relationship between people and their environments
- Created in 1971 (50 years)

12. PANNA BR, MP

- 12th BR under MAB-UNESCO
- Includes Panna TR - 'critical tiger habitat'
- Major species - Pangolin, leopard, gharial, tiger
- forest and marshy vegetation, abundance of medicinal plants
- river 'Ken' flows through it
 - Ken-Berwa river linking project

13. KHANGCHENDZOGA BR, SIKKIM

- 11th BR under MAB - UNESCO
- highest BR - 3rd highest peak in the world - Khangchendzoga
- India's first 'mixed world heritage' site - KNP
- Zemu glacier
- Species - red panda (state animal), snow leopard, musk deer
blood pheasant (state bird)
- ethnic groups - Lepchas

14. NILGIRI BR, TN - KL - KA

- first BR & under MAB UNESCO
- in western ghats; spread across TN, KL, KA
- Include : Mudumalai WLS, Sathyamangalam WLS (TN)
Silent valley NP, Waynad WLS (KL)
Bandipur NP, Nagarhole WLS (KA)
- Species : Lion tailed macaque, Nilgiri Tahr, Tiger
- Invasive species - Senna spectabilis
- Communities - Todas, Irulas, Cholanaiikens

15. WORLD'S FIRST 5 COUNTRY BR

- Mura - Drava - Danube (MDD) - UNESCO recognition
- Amazon of Europe
- Austria, Slovenia, Croatia, Hungary, Serbia

16. FIRST GEOPARK IN INDIA - MP

- Approved by Geological Survey of India
- @ Lamhera village, banks of Narmada river, MP
- Geo park - protection and sustainable use of geological heritage
promote the economic well being of locals
- No Indian site is part of UNESCO geopark List as of now