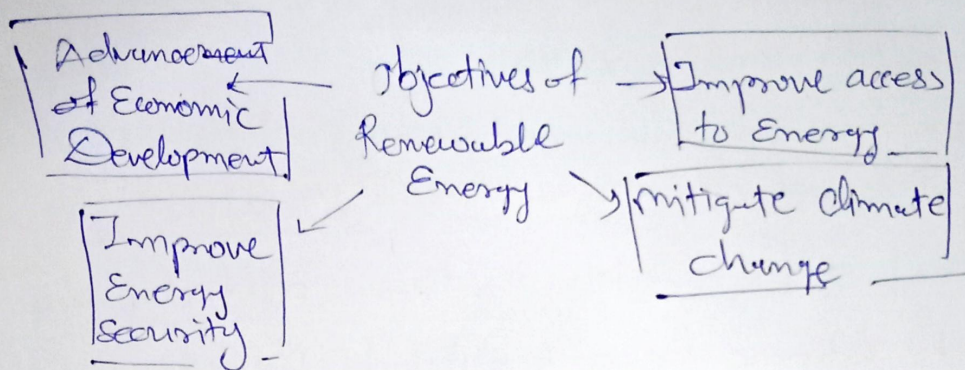


Concentration of knowledge relating to green energy sources is major challenge in generation of renewable energy.

→ Renewable energy is energy that is collected from renewable resources that are like wind, sunlight, rain, tides, waves and geothermal heat



At present condition Renewable energy accounts for only around 12% of all energy sources in the world.

- In two decades Hydropower is dominated in Energy production

[Hydropower > Wind > solar > other] - 2020

- ~~India aiming to attain 175 GW Renewable Energy which~~
- World Energy transition outlook 2022 launched by IRENA - Berlin
- It sets out priority areas & actions based on available technologies that ~~realised~~ realised by 2030 to achieve net zero emission
- Energy transition is pathway to transformation of fossil based to zero carbon in second half of this century

* Steps taken by India:

- Intrastate Transmission system - Green energy Corridors
- PM-KUSUM scheme to dedieselize the farm sector
- Offshore wind Energy policy (2015) to harness the potential of offshore wind energy
- Approved an Investment of Rs. 1500 crore in IREDA, which provide financing to project of Renewable energy sector
- Faster Adoption and manufacturing of Hybrid & Electric vehicles in India (FAME INDIA) scheme
- National solar mission, National Bio fuel policy
UJALA scheme for affordable LEDs etc.