

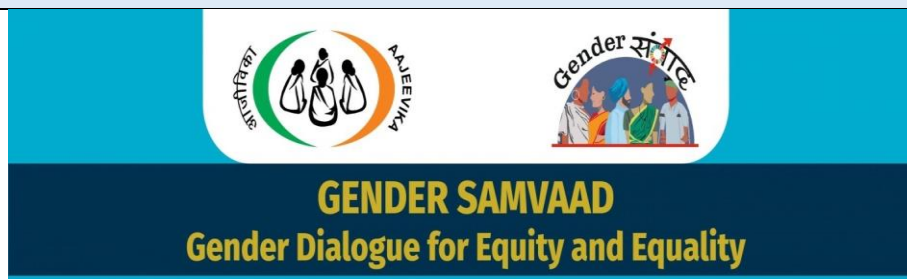
Weekly Current Affairs 19th – 23rd May 2021

1. EatSmart Cities Challenge and Transport 4 All Challenge launched



- Shri Hardeep S Puri, MoS (I/C), Housing and Urban Affairs launched the EatSmart Cities Challenge and Transport 4 All Challenge.
- **About EatSmart Cities Challenge:** EatSmart Cities Challenge was organized in association with **Food Safety and Standards Authority of India (FSSAI)** under the aegis of Ministry of Health and Family Welfare.
- The EatSmart Cities Challenge aims to motivate Smart Cities to develop a plan that supports a healthy, safe and sustainable food environment.
- The EatSmart Cities Challenge is envisioned as a competition among cities to recognize their efforts in adopting and scaling up various initiatives under **Eat Right India**.
- The challenge is open to all Smart Cities, capital cities of States /UTs, and cities with **a population of more than 5 lakh**. At the end of the first phase of the challenge, **11 cities** will be selected for deeper engagement for an extended period to implement their vision.
- **About Transport 4 All (T4All) Challenge:** The Ministry of Housing and Urban Affairs launched the Transport 4 All challenge in collaboration with the **Institute for Transportation and Development Policy (ITDP)**.
- The Transport4All Digital Innovation Challenge aims to develop digital solutions that will make public transport safe, affordable, comfortable, and reliable for all.
- All the Smart Cities Mission cities, capitals of states and union territories, and all cities with a population of over 5 lakhs are eligible for the Challenge.

2. Gender Samvaad event launched



- Gender Samvaad event, a joint attempt between **DAY-NRLM** and the Initiative for What Works to Advance Women and Girls in the Economy

(IWWAGE), was launched by Nagendra Nath Sinha, Secretary, Ministry of Rural Development.

- The attempt is to generate greater awareness on gender related interventions under DAY-NRLM across the country and best practices, with a focus on hearing voices from the states and the field.
- **Note:** With over 60 million women mobilised to be part of one of India's largest livelihoods programme, DAY-NRLM holds great promise for advancing women's socio-economic empowerment by organising them into self-help groups (SHGs) and federations of the rural poor.
- **About DAY-NRLM (Deendayal Antyodaya Yojana - National Rural Livelihoods Mission):** The DAY-NRLM is the flagship program of Govt. of India for promoting poverty reduction through building strong institutions of the poor, particularly women, and enabling these institutions to access a range of financial services and livelihoods.
- **Aajeevika - National Rural Livelihoods Mission (NRLM)** was launched by the Ministry of Rural Development, Government of India in June 2011.
- In November 2015, the program was renamed Deendayal Antayodaya Yojana (DAY-NRLM).

3. Three new initiatives/services of National Internet Exchange of India (NIXI) launched



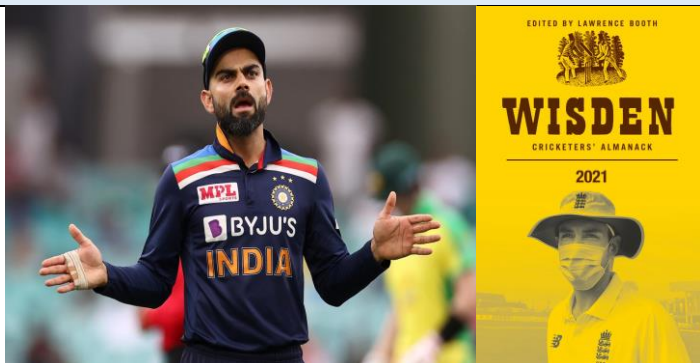
- Shri Ajay Prakash Sawhney, Secretary, Ministry of Electronics & Information Technology (MeitY) & Chairman NIXI launched three path breaking initiatives for National Internet Exchange of India (NIXI).
- With this launch, NIXI has announced to play a supporting role for the **IPv6 (Internet Protocol version 6)** awareness and adoption in the country along with the Department of Telecommunications (DOT) & MeitY.
- **The details of the three new initiatives are as below:**
 - IPv6 Expert Panel (IP Guru):** IP Guru has been launched to extend technical support to Indian Entities in adoption of IPv6.
 - NIXI Academy:** NIXI Academy to be created to educate technical/non-technical people in India about technologies like IPv6 which will lead to better management of Internet resources in country.
 - NIXI-IP-INDEX:** NIXI-IP-INDEX portal has been launched to showcase IPv6 adoption rate in India and across the world.
- **About National Internet Exchange of India (NIXI):** It is a not-for-profit organization (section 8 of the Companies Act 2013) working since 2003 for spreading the internet infrastructure to the citizens of India.

4. Inclusive Internet Index 2021: India ranks 49th



- **About the Inclusive Internet Index:** The Inclusive Internet Index by the **Economist Intelligence Unit (EIU)** in collaboration with Facebook, benchmarks countries on the internet's availability, affordability, relevance and the readiness of people to use it.
- Now in its fifth year, the Index covers 120 countries, representing 96% of the world's population and 98% of global GDP.
1st Rank: Sweden
2nd Rank: United States
3rd Rank: Spain
49th Rank: India
- **Note:** India is tied with Thailand in 49th place this year.

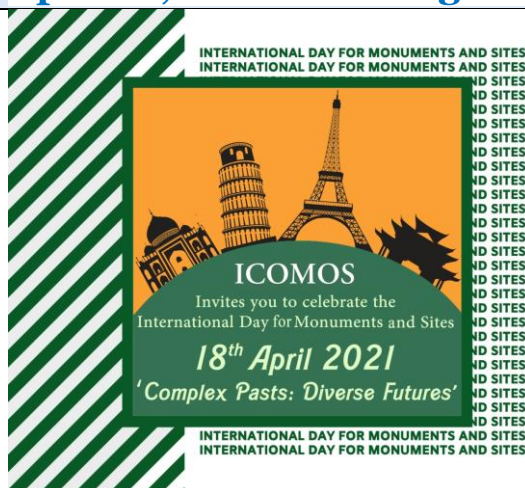
5. Virat Kohli named Wisden Almanack's ODI cricketer of the 2010s



- To commemorate the 50th anniversary of the first One-Day International, five ODI cricketers of the decade have been named in the 2021 edition of the Wisden Cricketers' Almanack, the reference book, often described as the Bible of Cricket.
- One cricketer has been named for each of the decades between 1971 and 2021.
- **List of Winners:**
- India captain **Virat Kohli** was named **Wisden Almanack's ODI cricketer of the 2010s**.
- Former Indian cricketer **Kapil Dev** was named the **ODI Cricketer of the 1980s**.
- Legendary Indian cricketer **Sachin Tendulkar** was named the **ODI Cricketer of the 1990s**.
- England all-rounder **Ben Stokes** was declared the '**Cricketer of the Year**' for a second successive time.

- Australia women cricketer **Beth Mooney** was awarded the **leading women cricketer in the World**.
- West Indies all-rounder **Kieron Pollard** was named the **leading T20I cricketer in the world**.
- Jason Holder, Mohammad Rizwan, Dom Sibley, Zak Crawley, and Darren Stevens were named **Wisden Cricketers of the Year**.

6. April 18, World Heritage Day



- The World Heritage Day is also known as the International Day for Monuments and Sites.
- The World Heritage Day was proposed by the International Council on Monuments and Sites (ICOMOS) on 18 April 1982 and approved by the General Assembly of UNESCO in 1983.
- World Heritage Day 2021 theme this year is “**Complex Pasts: Diverse Futures**”.
- **Note:** Presently, there are **38 World Heritage Sites located in India**. India has the sixth largest number of sites in the world. Among these 38 UNESCO Heritage sites of India, the list includes **30 cultural sites, 7 natural sites, and 1 mixed site**.
- As of June 2020, a total of **1,121 World Heritage Sites (869 cultural, 213 natural, and 39 mixed)** exist across 167 countries. With 55 selected areas, China and Italy are the countries with the most sites on the list.

7. National climate vulnerability assessment report identifies eight eastern states as highly vulnerable



- The report titled ‘**Climate Vulnerability Assessment for Adaptation Planning in India Using a Common Framework**’, which identifies the

most vulnerable states and districts in India with respect to current climate risk and key drivers of vulnerability, was released by DST Secretary Professor Ashutosh Sharma.

- The National climate vulnerability assessment report has identified **Jharkhand, Mizoram, Orissa, Chhattisgarh, Assam, Bihar, Arunachal Pradesh, and West Bengal as states highly vulnerable to climate change.**
- Among all states, Assam, Bihar, and Jharkhand have over 60% districts in the category of highly vulnerable districts.
- A total of 94 representatives from 24 states and 2 Union Territories participated in the nation-wide exercise jointly supported by the **DST and the Swiss Agency for Development & Cooperation (SDC).**
- **Note: DST (Department of Science and Technology)** has been implementing **2 national missions** on climate change as part of the National Action Plan on Climate Change.
- These are **National Mission for Sustaining the Himalayan Ecosystem (NMSHE)** and **National Mission on Strategic Knowledge for Climate Change (NMSKCC).**
- As part of these missions, DST has been supporting the State Climate Change Cells in 25 States and Union Territories.

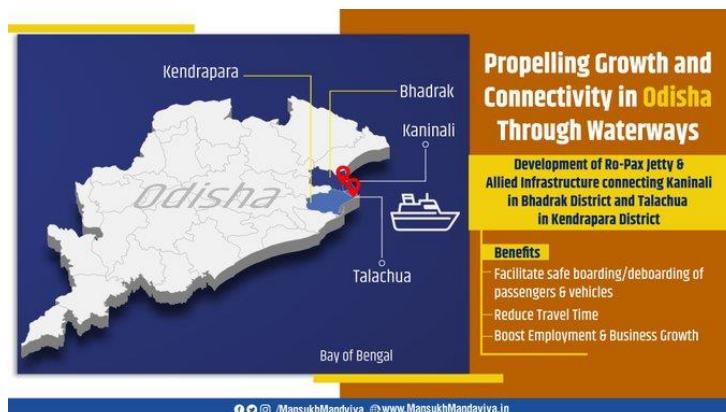
8. “Hydrogen Economy – New Delhi Dialogue 2021”



- **The Energy Forum (TEF and the Federation of Indian Petroleum Industry (FIPI)**, under the aegis of Ministry of Petroleum and Natural Gas, Government of India, has organized a Hydrogen Roundtable titled “Hydrogen Economy New Delhi Dialogue-2021” recently in April 2021.
- Union Petroleum and Natural Gas & Steel Minister Shri Dharmendra Pradhan addressed the Hydrogen Economy- New Delhi Dialogue.
- **The objective of the Roundtable** is to understand the progress of the Hydrogen ecosystem across continents and contribute to creating synchrony among the think tanks, Governments and the industry to join forces for developing innovative and sustainable technologies at attractive costs.
- **Note:** India will spend \$200 million over the next 5 to 7 years to promote the use of hydrogen.
- The Government of India recently announced the **National Hydrogen Mission** in the Union Budget 2021 for making a hydrogen roadmap for the country. Work is going on a pilot project on **Blue Hydrogen, Hydrogen CNG (H-CNG) and Green Hydrogen.**

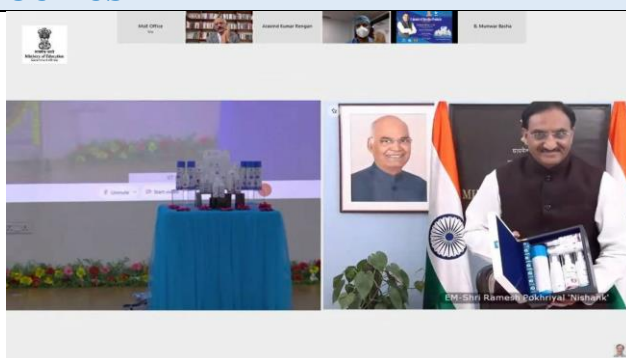
9. Rs 110 crore ROPAX Jetty Project to come on river Dhamra in Odisha

- Ministry of Ports, Shipping & Waterways has accorded administrative approval for sanction of Rs 50.30 crore for developing all-weather ROPAX (Roll-on/Roll-off Passenger) Jetty and allied infrastructure connecting **Kaninali in Bhadrak district & Talachua in Kendrapara district, Odisha** under the **Sagarmala initiative**.
- The Government of Odisha will fund another 50% cost of the project.



- This project will reduce travel time for passengers from 6 hours by road to 1 hour by waterway.
- Kaninali in Bhadrak district and Talachua in Kendrapada district, are located on the northern and southern banks of **River Dhamra** respectively.
- The project will facilitate indirect employment opportunities to locals around Dhamra River and reduce road distance of ~200 km from Talachua to Dhamra.

10. Union Minister of Education launches “World 1st affordable and long-lasting hygiene product DuroKea Series”



- Union Minister of Education Shri Ramesh Pokhriyal ‘Nishank’ launched “World 1st affordable and long-lasting hygiene product DuroKea Series”, **developed by IIT Hyderabad researchers**.
- Researcher from Indian Institute of Technology Hyderabad led Dr. Jyotsnendu Giri, Associate Professor in Biomedical Engineering and founder EaffoCare Innovation Pvt. Ltd incubating at iTIC, IIT Hyderabad has

developed innovative DuroKea long-lasting technologies to combat COVID-19 virus spreading.

- This next generation DuroKea antimicrobial technology starts at Rs. 189, kills 99.99% of germs instantly and leaves behind the long-lasting protective nanoscale coating up to 35 days till next wash.

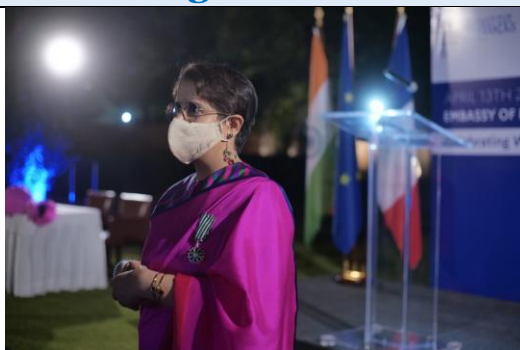
11. Asian Wrestling Championships 2021

- (Almaty, Kazakhstan: April 13-18, 2021)
- **India finishes 3rd place** in the medals table in the 34th edition of the Senior Asian Wrestling Championships 2021.



Place	Countries	Medals
1	Iran	17 Medals (7 Gold, 5 Silver, 5 Bronze)
	Kazakhstan	17 Medals (7 Gold, 5 Silver, 5 Bronze)
3	India	14 Medals (5 Gold, 3 Silver, 6 Bronze)

12. Oscar-winning producer Guneet Monga receives second highest civilian French honour



- Oscar-winning producer Guneet Monga, known for films like "The Lunchbox" and "Masaan", was awarded with '**Knight of the Order of Arts and Letters' 2021**, the second highest civilian French honour by French Foreign Minister Jean-Yves Le Dria.
- Monga was given the award for her contribution to world cinema through her Indo-French productions and her relentless work towards women empowerment.

13. Marathi film 'Puglya' wins Best Foreign Language Feature at Moscow International Film Festival 2021



- The film has been directed and produced by Vinod Sam Peter under the banner Abraham Films.
- Puglya is a story that revolves around a pug and two boys, Rushab and Datta, who are around 10 years old.

14. Shri Piyush Goyal launches the Startup India Seed Fund Scheme



Startup India Seed Fund Scheme

Financial assistance to startups for proof of concept, prototype development, product trials, market entry, and commercialization



- Minister of Railways, Commerce & Industry, Consumer Affairs and Food & Public Distribution Shri Piyush Goyal launched the Startup India Seed Fund Scheme (SISFS).
- **Rs. 945 Crore** corpus will be divided over the next 4 years for providing seed funding to eligible startups through eligible incubators across India.
- The scheme is expected to support an estimated 3,600 startups through 300 incubators.
- SISFS will Secure seed funding, Inspire innovation, Support transformative ideas, Facilitate implementation, and Start startup revolution.
- This Scheme will create a robust startup ecosystem, particularly in Tier 2 and Tier 3 towns of India, which are often deprived of adequate funding.

- The Government has introduced initiatives like **Startup Innovation Challenges, National Startup Awards, Ranking of States, SCO Startup Forum, Prarambh etc.**
- **Note:** Recently, the government has constituted an experts advisory committee **for Startup India Seed Fund Scheme**, chaired by **H K Mittal** from the Department of Science and Technology.
- The Startup India Seed Fund Scheme was announced **by the Prime Minister, Shri Narendra Modi on 16th January 2021 in his address of 'Prarambh: Startup India International Summit'**, marking the five-year anniversary of the Startup India initiative.

15. Italy launches first ever mega food park & food processing unit in India



- The pilot project “The Mega Food Park” was launched with the signing of a Letter of Intent between the ICE Office in Mumbai and Fanidhar Mega Food Park, in Gujarat.
- Ambassador of Italy to India, Vincenzo de Luca, and the Ambassador of India to Italy, Neena Malothra were part of the launch.
- **The project aims** to create synergy between agriculture and industry of the two countries and focuses on the research and development of new and more efficient technologies in the sector.
- **Note: Mega Food Park** is a scheme of the Ministry of Food Processing, Government of India with the aim of establishing a "direct linkage from farm to processing and then to consumer markets" through a network of collection centres and primary processing centres. A sanction of 42 food parks has been planned.

16. India ranks 84th in ‘Henley Passport Index: Q2 2021 Global Ranking’



- **Henley Passport Index 2021** has revealed the list of the world's most powerful passports and India has been ranked 84th on it.
- **India's passport got a visa-free score of 58**, which means Indian passport holders can visit 58 countries without prior visa.
1st rank- Japan (visa-free score 193)
2nd rank- Singapore (192)
3rd rank- Germany & South Korea (191)
- **Iraq and Afghanistan** are the countries with the worst passport with visa-free score 28 and 26 respectively.

17. 8th India- Kyrgyz Joint Special Forces Exercise 'Khanjar'



- The special forces of India and Kyrgyzstan have started a two-week military exercise in **Bishkek** with a focus on counter-terror drills.
- The exercise named, 'Khanjar', was inaugurated 16 April, 2021 at the Special Forces Brigade of National Guards of Kyrgyz Republic in Bishkek.
- It is the eighth edition of the India-Kyrgyz Joint Special Forces Exercise.
- The two-week long exercise focuses on high-altitude, mountains and counter-extremism.
- **Note:** The exercise 'Khanjar' has been held annually between India and Kyrgyzstan since 2011.
- **Facts about Kyrgyzstan:**
Capital: Bishkek
President: Sadyr Japarov
Currency: Kyrgyzstani som

18. India and Germany sign agreement on 'Cities combating plastic entering the marine environment'



- The Ministry of Housing and Urban Affairs, Government of India and Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH India on behalf of the German Federal Ministry of Environment, Nature Conservation and Nuclear Safety signed an agreement on Technical Cooperation titled 'Cities Combating Plastic Entering the Marine Environment'.
- This project is envisaged under the contours of the Joint Declaration of Intent regarding cooperation in the field of '**Prevention of Marine Litter**' signed between Republic of India and Federal Republic of Germany in 2019.
- The project, aimed at enhancing practices to prevent plastic entering the marine environment, will be undertaken at the national level, select states (**Uttar Pradesh, Kerala and Andaman & Nicobar Islands**) and in the cities of **Kanpur, Kochi and Port Blair** for a period of three and a half years.
- This project will support the **Swachh Bharat Mission-Urban's** implementation with special focus on preventing plastic litter entering the rivers and water bodies at source.
- **Note:** It is estimated that 15-20% of all plastics are entering oceans via rivers of which 90% are contributed by 10 of the world's most polluting rivers. Two of these river systems are located in India, namely Ganga and Brahmaputra.

19. Emilia Romagna F1 Grand Prix 2021



- **Max Verstappen (Red Bull)** won the Emilia Romagna F1 Grand Prix 2021 held at Autodromo Internazionale Enzo e Dino Ferrai Circuit in Imola, Italy.
- **Lewis Hamilton (Mercedes)** got second position and **Lando Norris (McLaren)** got third position.

20. World Press Freedom Index 2021: India ranks 142



- India has been placed at 142nd among 180 countries and remains “one of the world’s most dangerous countries” for journalists.
1 rank: Norway
2 rank: Finland
3 rank: Denmark
142 rank: India
180 rank: Eritrea
- **Note:** The latest index released ranks 180 countries.
- The report noted that “only 12 of the Index’s 180 countries (7%) can claim to offer a favourable environment for journalism”.
- **About Press Freedom Index:** It is an annual ranking of countries compiled and published by **Reporters Without Borders (RSF)** since 2002 based upon the organisation's own assessment of the countries' press freedom records in the previous year.

21. RBI set up a committee headed by Sudarshan Sen to review ARCs working



- The Reserve Bank of India (RBI) set up a committee to undertake a comprehensive review of the working of **asset reconstruction companies (ARCs)** in the financial sector ecosystem and recommend suitable measures for enabling them to meet the growing requirements.
- The six-member committee will be headed by **Sudarshan Sen, former Executive Director, RBI.**
- The committee will submit its report within three months from the date of its first meeting.
- **About Asset Reconstruction Company (ARC):** It is a company incorporated under the Companies Act and registered with Reserve Bank of India under section 3 of The Securitisation and Reconstruction of Financial Assets and Enforcement of Security Interest Act, 2002. An Asset Reconstruction Company is a specialized financial institution that buys the NPAs or bad assets from banks and financial institutions.
- **Facts about RBI:**
Headquarters: Mumbai
Established: 1 April 1935
Governor: Shaktikanta Das (25th Governor)

22. INAS 323 commissioned at Goa as first unit of indigenously built ALH Mk III aircraft enters Naval Service

- **Indian Naval Air Squadron (INAS) 323**, the first unit of the indigenously built ALH Mk III aircraft, was commissioned into the Indian Navy at **INS Hansa, Goa** on 19 Apr 21.



- The squadron will operate three state-of-the-art ALH Mk III, a multirole helicopter with Shakti engine manufactured by Hindustan Aeronautics Limited (HAL).
- The Mk III version of the ALH has an all glass cockpit and will be used for Search and Rescue, Special Operations and Coastal Surveillance.
- INAS 323 is commanded by Cdr Samik Nundy, an accomplished and experienced ALH pilot with extensive operational experience.

23. NASA's Ingenuity helicopter makes history with successful flight on Planet Mars



- As per the U.S. space agency NASA, the miniature robot helicopter Ingenuity performed a successful take-off and landing on Mars.
- **This is the first powered, controlled flight** by an aircraft over the surface of another planet.
- Ingenuity helicopter weighs 4 pounds i.e. 1.8 kg. It also has a battery, heater and sensor. It has a solar panel at the top, which charges the battery.

- **About NASA (National Aeronautics and Space Administration):** It is an independent agency of the U.S. Federal Government responsible for the civilian space program, as well as aeronautics and space research.

Founded: 1 October 1958

Headquarters: Washington, D.C., United States

24. Miguel Díaz-Canel to succeed Raúl Castro as the President of Cuba



- Miguel Díaz-Canel will succeed Raúl Castro as the Cuban Communist Party's first secretary, the most powerful position on the island.
- He is the first person without the surname Castro to run Cuba since the 1959 revolution.
- He will now hold Cuba's two most important positions, head of the party and president of the state.
- Eighty nine years old Castro had been in the post since 2011, when he took over from his older brother, Fidel Castro.

● **Facts about Cuba:**



Capital: Havana

Continent: North America

Currency: Cuban peso (CUP)

25. April 22, World Earth Day



- World Earth Day is an annual event on April 22 to demonstrate support for environmental protection. First held on April 22, 1970, it now includes a wide range of events coordinated globally by EARTHDAY.ORG (formerly Earth Day Network).
- The World Earth Day 2021 theme is ‘**Restore Our Earth**’.
- The theme features five primary programs: The Canopy Project, Food and Environment, Climate Literacy, the Global Earth Challenge and The Great Global CleanUp

26. India ranks 87th in Global Energy Transition Index 2021



- India has been ranked at the 87th position among 115 countries in the Energy Transition Index (ETI) 2021 that tracks nations on the current performance of their energy systems across various aspects.
- The report from the **World Economic Forum (WEF)** released and prepared in collaboration with Accenture.
Rank 1: Sweden
Rank 2: Norway
Rank 3: Denmark
Rank 87: India
- **India** has targeted improvements through subsidy reforms and rapidly scaling energy access, with a strong political commitment and regulatory environment for the energy transition.

- The index benchmarks 115 countries on the current performance of their energy systems across three dimensions- economic development and growth, environmental sustainability and energy security.
- **Facts about World Economic Forum (WEF):**
Headquarters: Geneva, Switzerland
Founder & Executive Chairman: Klaus Schwab
Founded: 24 January 1971

27. India elected to 3 bodies of UN Economic and Social Council (ECOSOC)

- India has been elected by acclamation to three bodies of the UN Economic and Social Council (ECOSOC) for a three-year term beginning January 1, 2022.
 - i. Commission on Crime Prevention and Criminal Justice (CCPCJ)
 - ii. Executive Board of the UN Entity for Gender Equality and the Empowerment of Women (UN Women)
 - iii. Executive Board of the World Food Programme (WFP)



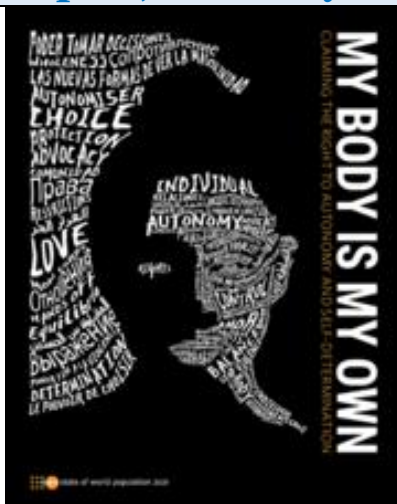
- **Facts about United Nations Economic and Social Council (ECOSOC):**
Parent organization: United Nations
Headquarters: New York, United States
Formation: 26 June 1945
President: Munir Akram

28. Singapore becomes first country to ratify RCEP trade agreement



- Singapore has become the first country to complete the official process for ratification of the **Regional Comprehensive Economic Partnership (RCEP)** agreement.
- **Note: RCEP agreement** was signed by all 10 ASEAN members and key partners including China, South Korea, Japan, Australia and New Zealand at the 4th RCEP leader's summit in November 2020.
- The RCEP agreement will enter into force after six ASEAN member states and three ASEAN FTA partners have ratified it.
- All participating countries are targeting to bring the agreement into force on January 1, 2022.
- **About Regional Comprehensive Economic Partnership (RCEP):** It is a proposed free trade agreement (FTA) between the ten member states of the Association of Southeast Asian Nations (ASEAN) (Brunei, Cambodia, Indonesia, Laos, Malaysia, Myanmar, the Philippines, Singapore, Thailand, Vietnam) and its five FTA partners (Australia, China, Japan, New Zealand and South Korea).

29. UNFPA launches the State of World Population Report, 2021: 'My Body is My Own'

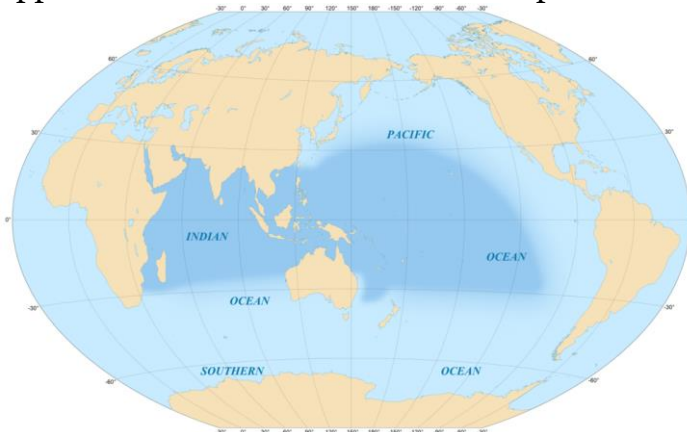


- UNFPA has launched the report State of World Population Report 2021: 'My Body is My Own' - Claiming the right to autonomy and self-determination.

- For the first time, a United Nations report focuses on bodily autonomy - the power and agency to make choices about your body without fear of violence or having someone else decide for you.
- Nearly half the women from 57 developing countries do not have the right to decide regarding their bodies including using contraception, seeking health care, or even on their sexuality.
- **Note:** In India, according to National Family Health Survey (NFHS)-4 (2015-2016), only about 12% of currently married women (15-49 years of age) independently make decisions about their own healthcare, while 63% decide in consultation with their spouse. For a quarter of women (23%), it is the spouse that mainly takes decisions about healthcare.
- **Facts about United Nations Population Fund (UNFPA):**
Headquarters: New York, United States
Executive Director: Natalia Kanem
Founded: 1969
Parent organization: United Nations

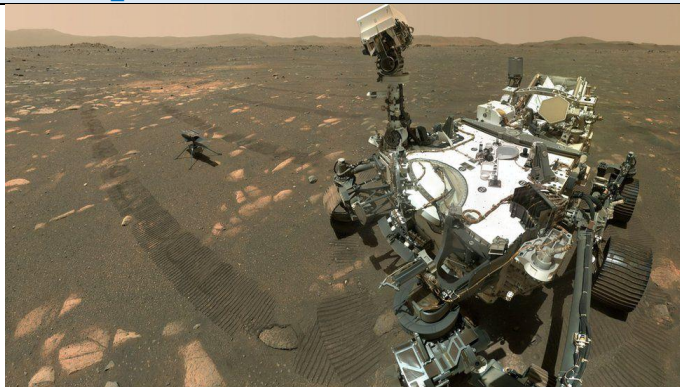
30. Indo-Pacific Oceans Initiative: Australia announces Rs 8.12 crore grant under its partnership with India

- As India and Australia increase engagement under the Indo-Pacific vision, Australia has announced an Rs 8.12 crore grant under the Indo-Pacific Oceans Initiative (IPOI).
- To apply for the grant, the company or organization should be located in either India or Australia and have partners in either of the 2 countries. Up to \$350,00 is anticipated to be available for allocation in 2020-21. All applications will be assessed on a competitive basis.



- **Note:** The Indo-Pacific Oceans Initiative was proposed by PM Narendra Modi at the East-Asia Summit in November 2019.
- In June 2020, after the virtual summit of Indian and Australian PMs, foreign ministers of both countries, Marise Payne and S Jaishankar, signed a joint declaration on "Shared Vision for Maritime Cooperation in the Indo-Pacific."
- **Facts about Australia:**
Capital: Canberra
Currency: Australian dollar
Prime Minister: Scott Morrison

31. NASA's Perseverance rover on Mars makes oxygen from planet's carbon dioxide atmosphere



- It is the second successful technology demonstration on the mission, which flew a mini-helicopter earlier.
- The generation of oxygen was performed by a toaster-sized unit in the rover called **Moxie - the Mars Oxygen In-Situ Resource Utilization Experiment**.
- It made 5 grams of the gas - equivalent to what an astronaut at Mars would need to breathe for roughly 10 minutes.
- NASA is planning that future human missions would take scaled-up versions of Moxie with them to the Red Planet rather than try to carry all the oxygen needed to sustain them.
- Mars' atmosphere is dominated by carbon dioxide. The expectation is that it can produce up to 10 grams of O₂ per hour.

32. Tamil Nadu teenager Arjun Kalyan becomes India's 68th Chess GrandMaster (GM)



- Arjun Kalyan became India's 68th Grandmaster. The 18-year-old from Chennai crossed the 2500 ELO mark after scoring a win over Dragan Kosic in the 5th round of the ongoing GM Round Robin "Rujna Zora-3" in Serbia.
- **Note:** Viswanathan Anand became the **1st Grandmaster** from India in 1988.
- Leon Mendonca from Goa became India's **67th Grandmaster** in 2020.