

September - 13

TNPSC BITS

- ❖ The Tamil Nadu government will construct a manimandapam in honour of late freedom fighter Tyagi Immanuel Sekaran, in Paramakudi in Ramanathapuram district.
- ❖ The four-day training camps for cadets of the Indian Naval Academy (INA), named 'Varuna' and 'Samudramanthan' held at Kerala recently.

TAMIL NADU

Board for welfare of Adi Dravidar and Tribals

- ❖ The Tamil Nadu government has reconstituted its State-level Tribal Welfare Board.
- ❖ The Minister for Adi Dravidar and Tribal Welfare would be the ex-officio chairperson of the Board.
- ❖ The panel has eight official and 17 non-official members.
- ❖ The panel was constituted in 2007 for the overall development of the Scheduled Tribes in the fields of education, economic development and social welfare.

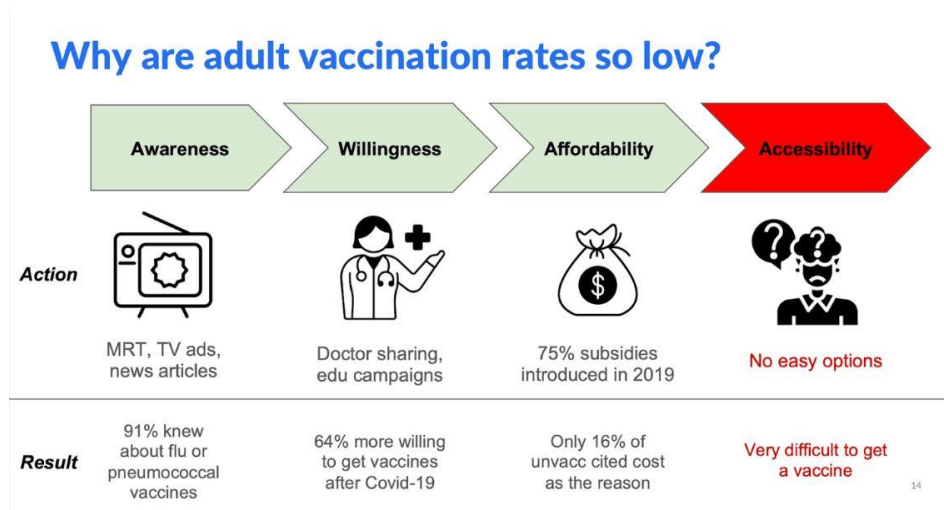
Women's basic income scheme



- ❖ The Tamil Nadu government has identified 1.06 crore women, as eligible to benefit from the Kalaignar Magalir Urimai Thogai (women's basic income) scheme.

- ❖ The eligible women would have the sum credited into their bank accounts from September 15.
- ❖ The sum will subsequently be credited into the bank accounts of these eligible women every month.

Poor uptake for adult vaccination



- ❖ This survey was conducted by the Association of Physicians of India (API) and Ipsos in 16 cities.
- ❖ Among adults aged 50 years and older revealed that the 71% of adults (50 years and above) surveyed were aware of adult vaccination.
- ❖ But, only 16% had taken any adult vaccines.
- ❖ Many (50%) believe that multiple doses of vaccines can make them dependent on vaccines.
- ❖ 58% of patients and their 62% of their caregivers feel that there are better ways than vaccination to protect themselves or their parents/in-laws from diseases.

NATIONAL

Swachh Vayu Sarvekshan 2023

- ❖ The survey was conducted by the Central Pollution Control Board.
- ❖ In cities with over one million population, Indore secured the first rank followed by Agra and Thane.
- ❖ Madurai, Howrah and Jamshedpur ranked in bottom 46, 45 and 44, respectively.

- ❖ Bhopal stood fifth while Delhi took the ninth spot.
- ❖ In the second category, with a population between 300,000 to one million, Amravati secured the first rank followed by Moradabad and Guntur.
- ❖ Jammu, Guwahati and Jalandhar ranked 38, 37 and 36, respectively.
- ❖ For the third category, with a population of less than 300,000, Parwanoo in Himachal Pradesh secured the first rank followed by Kala Amb and Angul.
- ❖ Kohima was ranked last – 39.

| SWACHH VAYU SARVEKSHAN 2023 | | | | City Name | Assesment by city | Assesment by CPCB | Rank |
|--|---------------------------|--------------------------------|--|--|-------------------|-------------------|------|
| CATEGORY | CITIES | CPCB SCORE (OUT OF 200) | | Category I: Population above 10L | | | |
| Category 1 (<10 Lakh Population) | 1 st Indore | 187 | | Indore | 191 | 187 | 1 |
| | 2 nd Agra | 186 | | Bhopal | 187 | 181 | 5 |
| | 3 rd Thane | 185.2 | | Jabalpur | 172 | 172 | 12 |
| Category 2 (3-5 Lakh Population) | 1 st Amravati | 194 | | Gwalior | 171 | 114 | 41 |
| | 2 nd Moradabad | 186.2 | | Category II: Population ranging from 3 to 10L | | | |
| | 3 rd Guntur | 185.5 | | Ujjain | 189 | 182 | 5 |
| Category 3 (<3 Lakh Population) | 1 st Parwanoo | 193.6 | | Sagar | 188.2 | 170.7 | 9 |
| | 2 nd Kala Amb | 193 | | Category III: Population less than 3L | | | |
| | 3 rd Angul | 187.5 | | Dewas | 181 | 180 | 6 |

Source: CPCB

People with orphan diseases

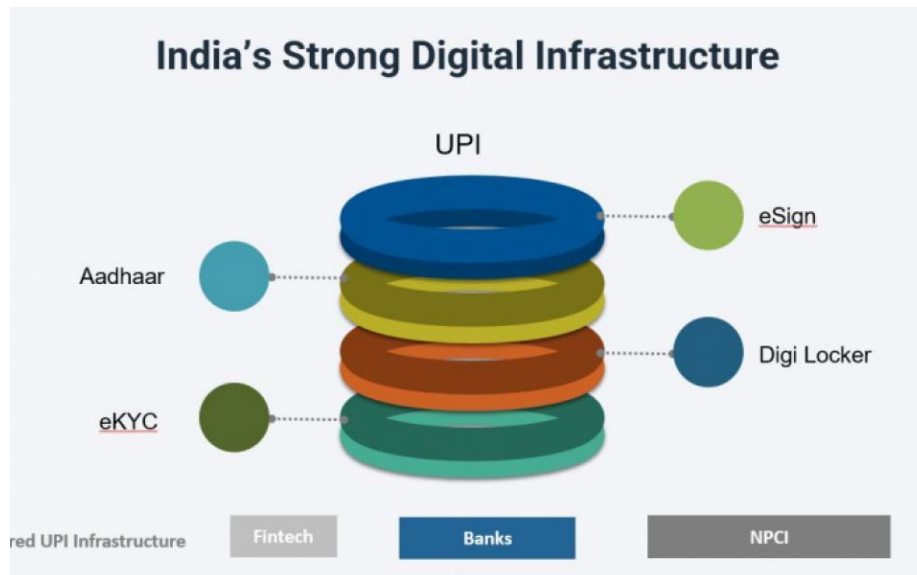


- ❖ Global numbers indicate that there are around 7,000 rare diseases affecting 300 million people.
- ❖ By extrapolation, India should have 70 million cases.
- ❖ Yet hospitals in India have so far reported less than 500 of these diseases.

- ❖ There is not enough epidemiological data on the communities in which these rare diseases occur.
- ❖ Sophisticated clinical genomics tools are often needed to confirm these disorders.
- ❖ Diseases prevailing in our countries include cystic fibrosis, haemophilia, lysosomal storage disorders, sickle-cell anaemia, etc.

India's Digital Public Infrastructure

- ❖ India planning to build and maintain a Global Digital Public Infrastructure Repository (GDPIR).
- ❖ It is voluntarily shared by G20 members and beyond has won endorsement from the group of developed and developing countries.
- ❖ Under its G20 presidency, India had promised to help other countries that wanted to build such systems for delivery of public services.

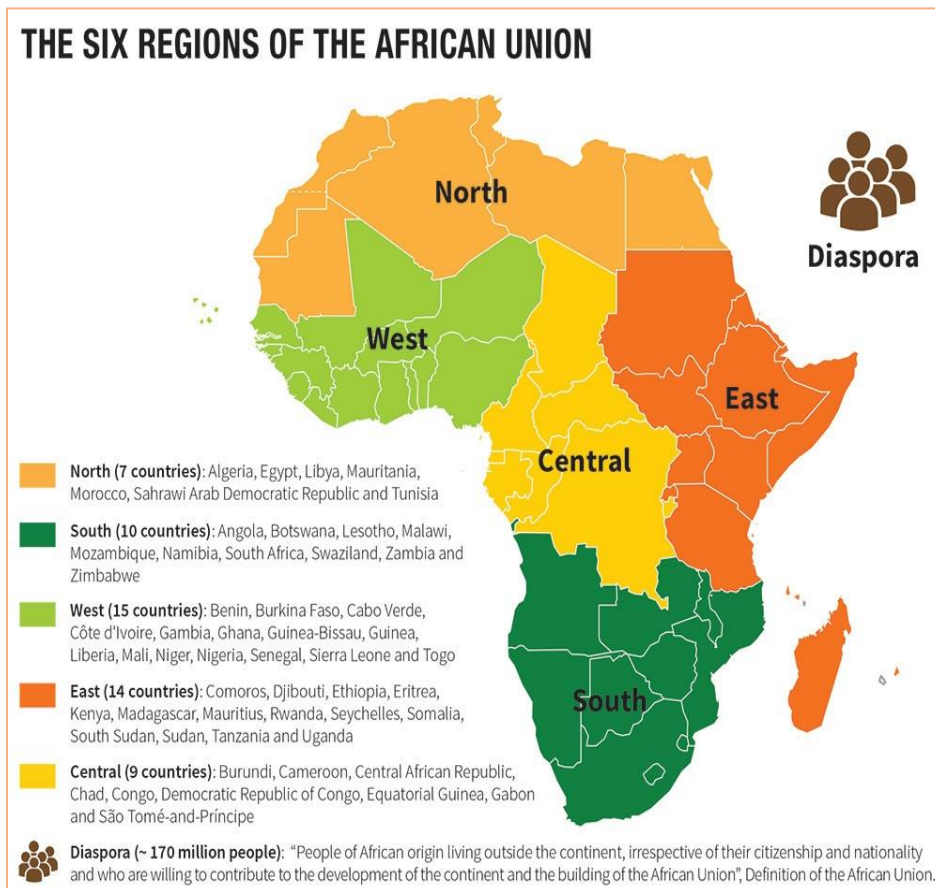


INTERNATIONAL

African Union - Permanent Member of G20

- ❖ The African Union became a full member of the G-20 on September 9, 2023.
- ❖ This will strengthen the G-20 and also strengthen the voice of the Global South.
- ❖ The AU is an influential organisation comprising 55 member states that make up the countries of the African continent.

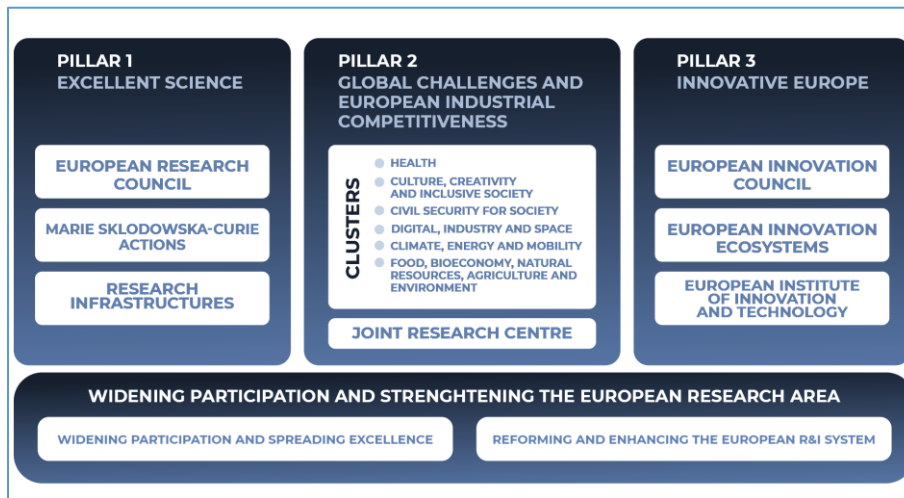
- ❖ Apart from this, India has also invited Bangladesh, Comoros, Egypt, Mauritius, Netherlands, Nigeria, Oman, Singapore, Spain and the UAE as part of the ‘Guest Countries’ at the G-20 summit.
- ❖ The International organizations such as the Coalition for Disaster Resilient Infrastructure, the Financial Stability Board, Asian Development Bank, IMF, ILO, International Solar Alliance, the OECD, the UN, the World Bank, the African Union, the WHO, the WTO and ASEAN are also invited as guests.



EU's Horizon Science Research Program

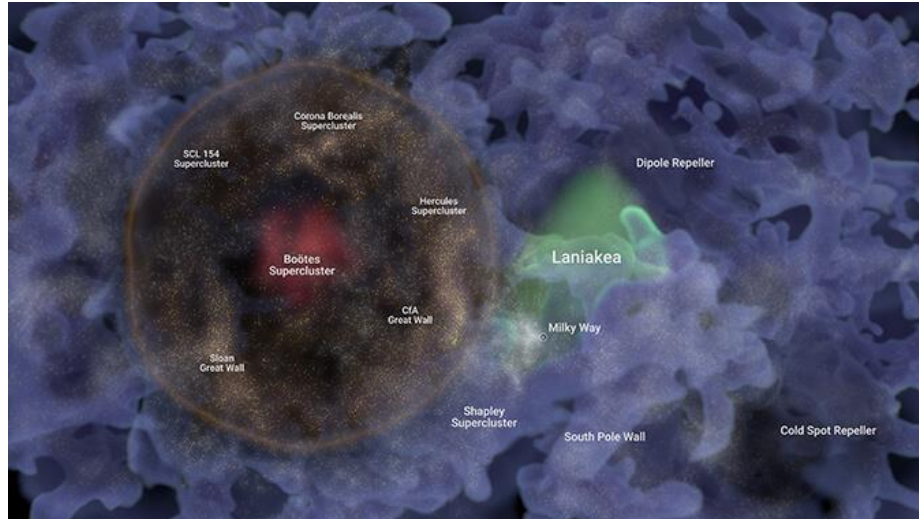
- ❖ Britain is rejoining the European Union's \$100 billion science-sharing program Horizon Europe.
- ❖ The UK has been excluded from the scheme for the past three years because of a disagreement over the Northern Ireland Protocol.
- ❖ Britain is also rejoining Copernicus, the EU space program's Earth observation component.

- ❖ Horizon will give UK companies and research institutions unrivalled opportunities to lead global work to develop new technologies and research projects, in areas from health to AI.



SCIENCE AND TECHNOLOGY

Bubble of Galaxies

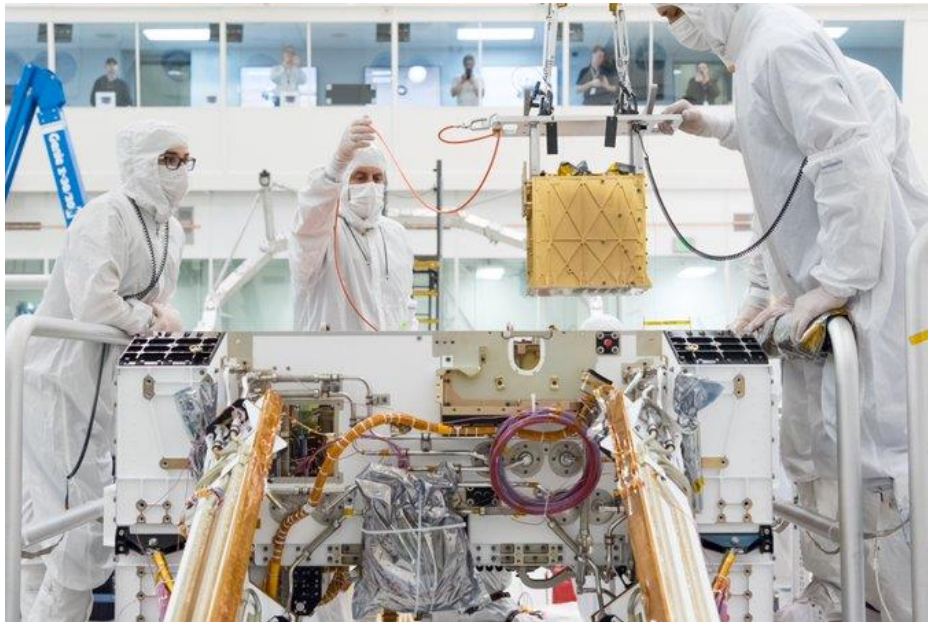


- ❖ Astronomers have discovered the first "bubble of galaxies".
- ❖ The bubble spans a billion light years, making it 10,000 times wider than the Milky Way galaxy.
- ❖ This giant bubble cannot be seen by the naked eye.
- ❖ It is a relatively close 820 million light years away from our home galaxy.

- ❖ Around 380,000 years after the Big Bang the process stopped as the universe cooled down, freezing the shape of the bubbles.

Oxygen on Mars

- ❖ NASA's oxygen-generating experiment that accompanied the Perseverance rover has successfully completed its mission and generated oxygen on Mars.
- ❖ This is done by a microwave-oven-sized device called MOXIE (Mars Oxygen In-Situ Resource Utilisation Experiment).
- ❖ MOXIE has been generating oxygen aboard the Perseverance rover since its landing in 2021.
- ❖ It has exceeded expectations by producing a total of 122 grams of oxygen.
- ❖ The oxygen produced is of 98% purity or better, making it suitable for both fuel and breathing purposes,



REPORTS AND INDICES

Gender Snapshot 2023 Report

- ❖ The 'Progress on the Sustainable Development Goals: The Gender Snapshot 2023' report was brought out by UN Women and UNDESA.
- ❖ The report is stating that the goal of achieving gender equality by 2030 is not realized.
- ❖ In 2023, women made up 55.7% of people aged 65 and above globally.

- ❖ One in every ten women today, or 10.3%, lives in extreme poverty.
- ❖ If current trends continue, it predicts that 8% of the world's female population will still be living in extreme poverty in 2030.
- ❖ Up to 129 million girls and young women may be out of school globally in 2023.
- ❖ Around 110 million still out of school in 2030 if current trends persist.
- ❖ 6.4 trillion USD per year is required across 48 developing countries to achieve gender equality in various key areas by 2030.
- ❖ By 2050, there will be 1.6 billion persons aged 65 and older, 78.1% of whom will reside in less developed regions.
- ❖ Only 27 countries have comprehensive systems to track and make budgetary allocations for gender equality and women's empowerment.
- ❖ Only 61.4% of prime working age women are in the labour force, compared to 90 per cent of prime working age men.

