

June - 16

TNPSC BITS

- ❖ The Supreme Audit Institutions-20 (SAI20) Engagement Group Summit will be held in Goa.
- ❖ India's retail inflation dipped to an over 2-year low of 4.25 per cent in May 2023.
- ❖ The first-ever national conference of tribal writers was held in Jammu and Kashmir.
- ❖ An Indian documentary film titled "When Climate Change Turns Violent" has won a special prize in the 'Health for All' category at the WHO's 4th Annual Health for All Film Festival (HAFF).
- ❖ The Indian hockey team clinched its first Women's Junior Asia Cup 2023 title by win over the Republic of Korea in the final, held at Japan.

NATIONAL

Modified Semicon India Program



- ❖ The Government of India has invited new applications for setting up of Semiconductor Fabs and Display Fabs in India under the Modified Semicon India Program.



- ❖ Under the modified program, a fiscal incentive of 50% of the project cost is available to companies/consortia/joint ventures for setting up of Semiconductor Fabs in India.
- ❖ Similarly, a fiscal incentive of 50% of the project cost is available for setting up of Display Fabs of specified technologies in India.
- ❖ India Semiconductor Mission is the designated nodal agency for the program.

INTERNATIONAL

Atlantic Declaration

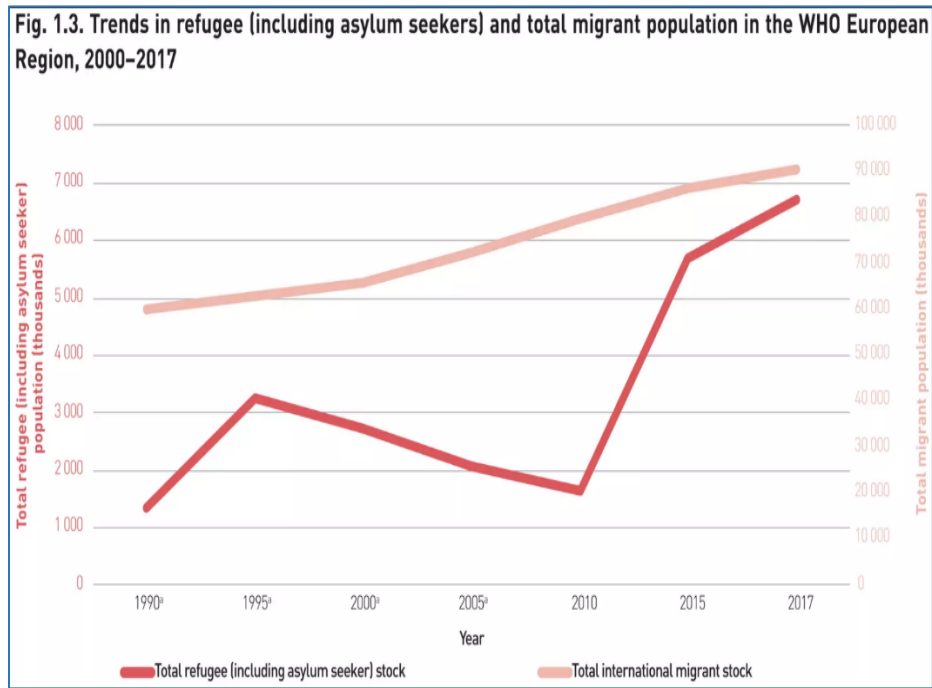
- ❖ The United States and the United Kingdom have announced the Atlantic Declaration for a Twenty-First Century U.S.-UK Economic Partnership.
- ❖ It aims to boost industry ties on defence and renewable energy, in the face of growing competition from China.
- ❖ The Atlantic Declaration is focused on building a resilient, diversified, and secure supply chain, reducing strategic dependencies.



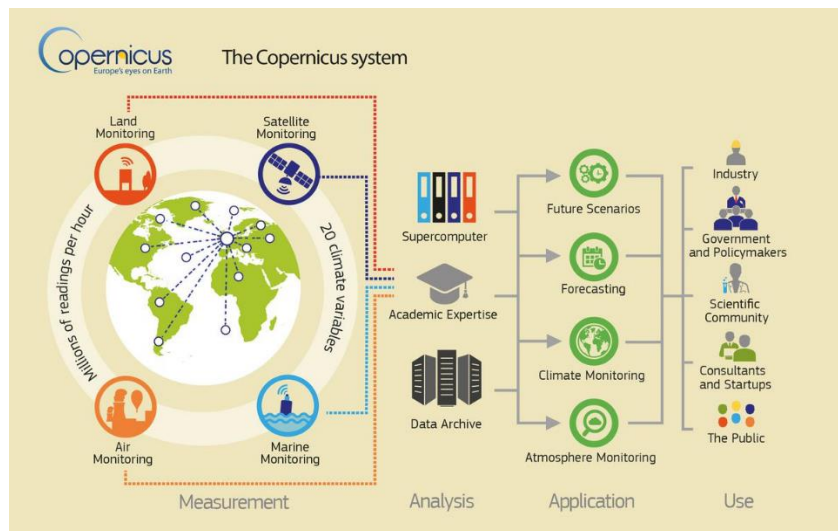
EU Deal on Equitable Refugee Hosting

- ❖ The European Union reached a deal on a revision of rules to share hosting of asylum seekers more equitably.
- ❖ The agreement says that countries that refuse to host refugees would be required to pay 20,000 euros (USD 21,000) per person.
- ❖ The money will go to a fund managed by Brussels.

- ❖ Poland and Hungary voted against the proposals.
- ❖ Bulgaria, Malta, Lithuania and Slovakia abstained.



Copernicus program

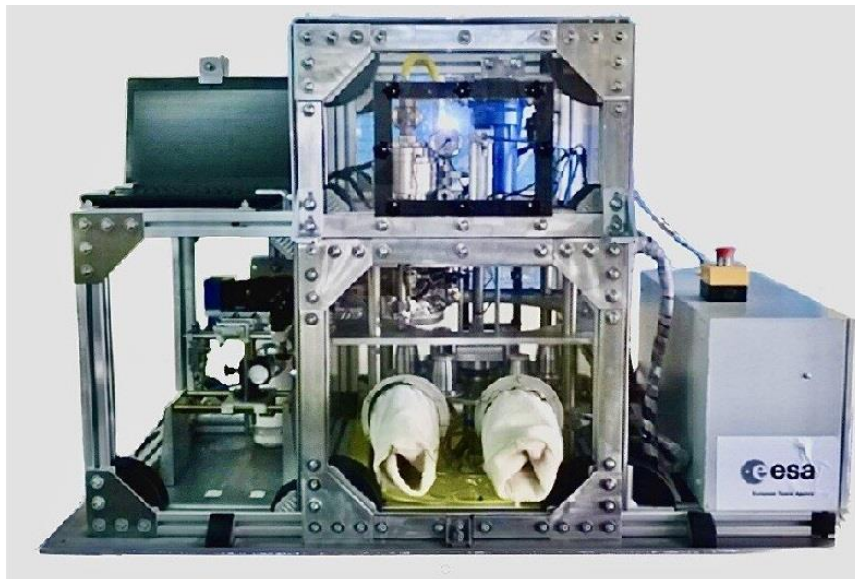


- ❖ June 8, 2023, marks the 25th anniversary of Copernicus, the earth observation component of the European Union's space programme.
- ❖ It was launched in 1998 and previously known as the Global Monitoring for Environment and Security Programme (GMES).

- ❖ Copernicus is designed to provide information on the earth's environment to aid sectors like agriculture, climate change, disaster management, urban planning, and more.
- ❖ The programme is named after Nicolaus Copernicus, the 15th-century Polish scientist who first proposed a heliocentric universe model.

SCIENCE AND TECHNOLOGY

Experiment on Frying in Space

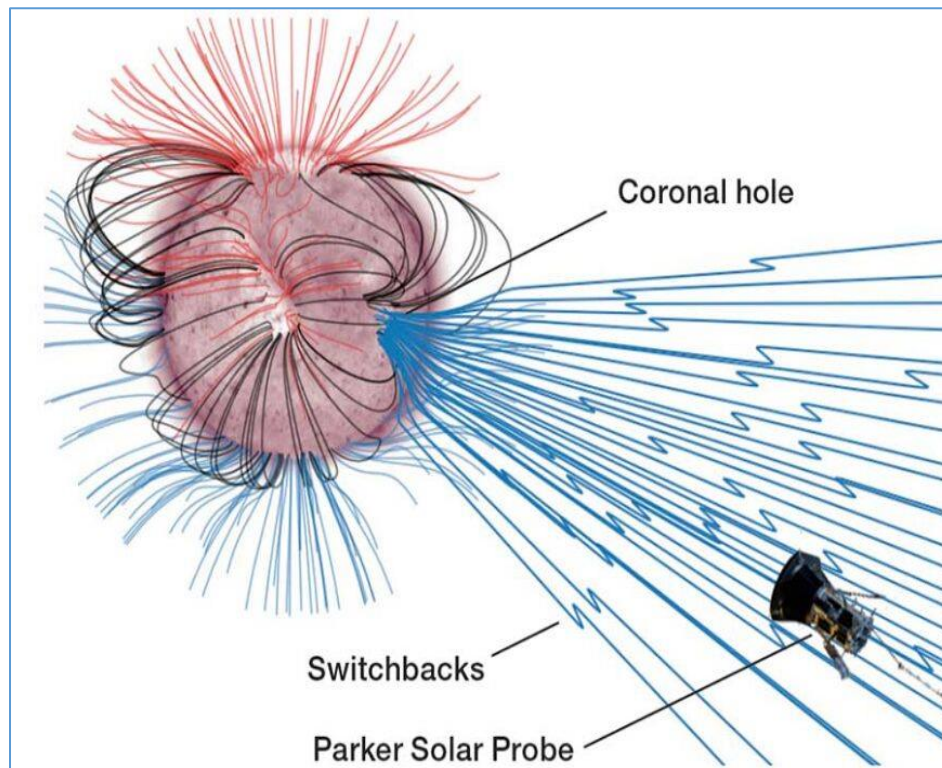


- ❖ The first fry in space has been made by researchers of the European Space Agency.
- ❖ A study was recently carried out in microgravity at a height of 2,000 feet to see whether potatoes can be cooked to an edible level.
- ❖ The concept of buoyancy, which makes oil bubbles leave the surface of the potato does not exist in outer space due to lack of gravity.
- ❖ ESA teams managed to get a fried product in a simulated environment.

Source of Solar Wind

- ❖ The solar wind — the flow of charged particles, or plasma, from the Sun — radiates out over all the bodies in the solar system.
- ❖ Parker probe was deployed to answer what accelerates the plasma and accompanying magnetic fields.
- ❖ This solar wind travels at different speeds, fast and slow.

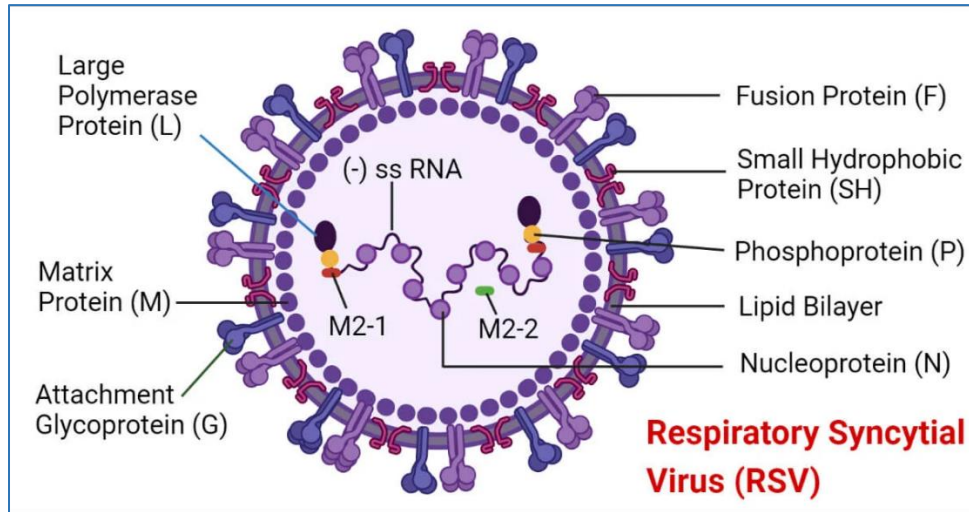
- ❖ The data collected by the Parker Solar Probe has revealed fascinating insights into the workings of coronal holes.
- ❖ These regions resemble showerheads on the sun's surface, characterized by jets appearing as bright spots.
- ❖ The probe's findings indicate that these coronal holes are associated with the supergranulation flows within the sun's atmosphere.
- ❖ Magnetic fields passing in and out of the photosphere create these supergranulation cells, resulting in intensified magnetic energy within the funnel structures.



Controlling respiratory syncytial virus

- ❖ A new study has shown that human T cells have an important role to play in controlling Respiratory Syncytial Virus (RSV) infection.
- ❖ T cells can independently control RSV infection in human lung tissue in the absence of an RSV-specific antibody response.
- ❖ But, a vaccine-induced RSV-specific T cell response would not be able to prevent infection.
- ❖ RSV is a highly contagious and seasonal respiratory virus that mainly causes common cold symptoms in healthy adults.

- ❖ It can cause more serious lung infections in infants, the immunocompromised and older individuals.



SPORTS

World Squash Championship



- ❖ The Squash World Cup 2023 is currently underway at the Express Avenue Mall in Chennai.
- ❖ The Squash World Cup 2023 is being conducted in two phases.

- ❖ Each team at the Squash World Cup 2023 consists of four players - two men and two women.
- ❖ India have never won a Squash World Cup title.
- ❖ Australia won the inaugural edition in 1996 while England emerged champions in the second edition in 1999.

French Open 2023

- ❖ Novak Djokovic of Serbia won his 23rd Grand Slam title with a victory over Casper Ruud of Norway in French Open Final.
- ❖ He broke a tie with Rafael Nadal for the most major singles trophies in the history of men's tennis.
- ❖ He also becomes the first man to win all four majors at least three times.
- ❖ The French Open is one of the four Grand Slam tennis tournaments, and it has been held annually since 1891.

Title	Winner	Runner up
Men's Singles	Novak Djokovic	Casper Ruud
Women's Singles	Iga Świątek	Karolina Muchova
Men's doubles	Ivan Dodig and Austin Krajicek	Sander Gille and Joran Vliegen
Women's doubles	Hsieh Su-Wei and Wang Xinyu	Taylor Townsend and Leylah Fernandez
Mixed doubles	Miyu Kato and Tim Pütz	Bianca Andreescu and Michael Venus

IMPORTANT DAYS

International Archives Day 2023 - June 09

- ❖ This day is commemorating the date when the International Council on Archives (ICA) was established in 1948.
- ❖ This year is the 75th year of the organization.

- ❖ The National Archives of India was established on 11 March 1891 at Kolkata.
- ❖ The National Archives of India is also the nodal agency for the implementation of the Public Records Act, 1993 and Public Record Rules, 1997.



World Blood Donor Day 2023 - June 14

- ❖ It aims to spread awareness around access to safe blood and also to thank blood donors for their noble act.
- ❖ This day was first recognised in 2004.
- ❖ The theme for this year is “Give blood, give plasma, share life, share often.”

