

Space Internet or Space-based internet

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Why in news?

It is SpaceX's new innovation under its network project Starlink.

What is this new project?

The Starlink network is one of several ongoing efforts to begin beaming out space-based data signals.

Under the project, the company intends to evolve into a constellation of nearly 12,000 satellites to provide low-cost and reliable space-based Internet services to the world.

The project launched in 2015, now has 122 orbiting satellites. The project ensures that reliable and uninterrupted Internet services are universally available in every part of the globe. The existing conventional methods of internet access have not been able to reach all locations, so this space-based tech will be able to solve this problem and provide a network to all.

Lower Earth orbit has been preferred over the geostationary orbit as this area is far away and latency problems would arise.