

# New Global Greenhouse Gas Monitoring Infrastructure

March 8, 2023

**In news**– The U.N.'s World Meteorological Organisation has come up with a new Global Greenhouse Gas Monitoring Infrastructure.

## About Global Greenhouse Gas Monitoring Infrastructure-

- **It aims to provide better ways of measuring planet-warming pollution and help inform policy choices.**
- It will integrate space-based and surface-based observing systems, and seek to clarify uncertainties about where greenhouse gas emissions end up.
- It should result in much faster and sharper data on how the planet's atmosphere is changing.
- It will fill critical information gaps and support action to reduce heat-trapping gases which are fuelling temperature increase.
- **It seeks to build on WMO's experience in coordination international collaboration in weather prediction and climate analysis and on long-standing activities in greenhouse gas monitoring, research and provision of related services under the auspices of the Global Atmosphere Watch established in 1989 and its Integrated Global Greenhouse Gas Information System (IG3IS).**
- Currently, most GHG monitoring undertaken globally relies heavily on research capabilities and research funding.

## What is Global Atmosphere Watch(GAW) programme?

- WMO's GAW programme **focuses on building a single coordinated global understanding of atmospheric composition**, its change, and helps to improve the understanding of interactions between the atmosphere,

the oceans and the biosphere.

- It coordinates high-quality atmospheric composition observations across global to local scales to drive high-quality and impact science while co-producing a new generation of research enabled products and services.
- About 100 countries are participating in the GAW Programme.
- Some components of the GAW observational network are recognized as comprehensive and baseline networks of the Global Climate Observing System (GCOS).
- The GAW Programme operates according to the GAW Implementation Plan 2016-2023.
- One major aspect of the GAW mission is to organize, participate in and coordinate assessments of the chemical composition of the atmosphere on a global scale.