

Cabinet Approves 'Prithvi Vigyan' Scheme

Why In News

- Prime Minister Shri Narendra Modi, has launched an ambitious initiative named **PRITHVI (PRITHvi Vigyan)**, a comprehensive scheme by the **Ministry of Earth Sciences**.
- An overarching initiative comprising five on-going sub-schemes related to earth sciences, at a cost of **Rs 4,797 crore over** a five-year period from 2021-26.



Prithvi Vigyan

- The Union Cabinet, at a meeting chaired by Prime Minister Narendra Modi, approved the proposal of the **Ministry of Earth Sciences (MoES)** to club the sub-schemes.



- **The schemes are** "Atmosphere and Climate Research-Modelling Observing Systems and Services", "Ocean Services, Modelling Application, Resources and Technology", "Polar Science and Cryosphere Research", "Seismology and Geosciences" and "Research, Education, Training and Outreach".
- It said these **integrated research and development efforts** will help in addressing the grand challenges of weather and climate, ocean, cryosphere, seismological science and services and explore the **living and non-living resources for their sustainable harnessing**.
- The objectives of the overarching "PRITHVI" scheme includes **augmentation and sustenance of long-term observations** of the atmosphere, ocean, geosphere, cryosphere and solid earth to record vital signs of the earth system and change, development of modelling systems for understanding and predicting weather, ocean and climate hazards, and understanding the science of climate change.



Cabinet Decisions
Jan 5, 2024

Empowering Tomorrow's Earth Science

Cabinet Nods to PRITHvi Vigyan
(PRITHVI) Scheme

Financial Outlay : Rs. 4,797 crore



Atmosphere & Climate Research-Modelling
Observing Systems & Services (ACROSS)



Ocean Services, Modelling Application,
Resources and Technology (O-SMART)



Polar Science and Cryosphere Research (PACER)



Seismology and Geosciences (SAGE)



Research, Education, Training and Outreach
(REACHOUT)

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- It also includes **exploration of polar and high seas regions** of the earth towards discovery of new phenomena and resources, development of technology for exploration and sustainable harnessing of oceanic resources for societal applications, and translation of knowledge and insights from earth systems science into services for societal, environmental and economic benefit.



- "Various components of the **PRITHVI scheme** are **interdependent** and are carried out in an integrated manner through combined efforts of the concerned Institutes under the Ministry of Earth Sciences," an official statement said.

Conclusion

- PRITHVI scheme represents a significant **leap forward in the realm of Earth sciences** in India.
- It not only enhances our understanding of Earth's complex systems but also ensures that this knowledge is transformed into practical applications for societal benefit.



- With its **comprehensive approach and robust framework**, PRITHVI is set to make a lasting impact on how we interact with and understand our planet.
- "The overarching scheme of '**Prithvi Vigyan**' (**PRITHVI**) will enable development of integrated multi-disciplinary earth science research and innovative programmes across different MoES institutes," an official statement said.

