



# Biotech-PRIDE

## Why in News

Recently, **Biotech-PRIDE (Promotion of Research and Innovation through Data Exchange) Guidelines** was released by the **Department of Biotechnology (DBT), Ministry of Science and Technology**.

- Further, a website of **Indian Biological Data Centre (IBDC)** was also launched.

## Key Points

### ▪ **Biotech-PRIDE Guidelines:**

- These guidelines envisage to **bridge other existing biological datasets/data centres** with the IBDC, which will be called **Bio-Grid**.
  - This Bio-Grid will be a **National Repository for biological knowledge, information and data**.
  - Also, Bio-Grid will be responsible for **enabling its exchange**, developing measures for **safety, standards and quality for datasets** and establishing detailed **modalities for accessing data**.
- These guidelines will be implemented through **Indian Biological Data Centre (IBDC)**.
- Currently, **India ranks number 4** amongst the top 20 countries contributing biological databases.

### ▪ **Need for Bio-Grid and its Advantages:**

- With a **large population** of over 135 crore and heterogeneous character of the country, India needs its **own exclusive database for Indian research and solutions**.
- This indigenous database will have a huge **enabling mechanism for exchange and adoption of data by young scientists** and researchers for the benefit of Indian citizens.
- Sharing a wide range of large scale data advances the **understanding of the molecular and biological processes**.
  - This will contribute to **human health, agriculture, animal husbandry, fundamental research** and thus will extend to societal benefits.
- Advances in **DNA sequencing** with a steep drop in DNA sequencing cost have enabled government agencies to fund research towards generation of large volumes of biological data in various sectors of **Biosciences**.

### ▪ **Important Schemes and Policies Regarding Biotech:**

- [Biotech-KISAN Programme](#)
- [Atal Jai Anusandhan Biotech Mission - Undertaking Nationally Relevant Technology Innovation \(UNaTI\)](#)
- [DNA Technology Bill, 2019](#)
- [Genome India Project](#)

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