

DBT- Theoretical and Computational Biology

DBT establishing Indian Biological Data Centre

New Delhi, April 09: In conformity to the principles of National Data Sharing and accessibility policy 2012 (NDSAP-2012) Govt. of India, Department of Biotechnology has formulated the 'Biological Data Storage, Access and Sharing Policy of India' through extensive expert consultation with different Govt. agencies and stakeholders. The cabinet approval of this Biological data policy is being obtained.

To implement the biological data policy, department is in process of establishing Indian Biological Data Centre (IBDC) as a Long Term Plan for deposition, storage, annotation and sharing of biological data generated in the country through extensive funding from various Government Organizations.

However, initially to access the modalities and assessing the amount of data generated and developing methodologies, standards, procedures, SoP required formats, terms and conditions of data deposition etc., department has sanctioned a pilot phase-I project on 13.03.2020 for a period of two years to Regional Centre For Biotechnology(RCB),Faridabad for setting up Indian Biological Data Centre. This Pilot Phase-I project have the following objectives.:

- Setting up the required IT platform (hardware/software) for storage/ distribution of biological data and development of appropriate web portal for data deposition/retrieval. It will enable researchers to deposit biological data in IBDC and store all biological data in the country perpetually.
- Development of standard operating Procedures (SOPs) and training of staff for storing the data as per FAIR principle, performing quality control, curation/annotation of data, data backup and management of data life cycle.
- Development/Installation of softwares for analysis of stored datasets by researchers on IBDC portal and development of web based tools/APIs for data sharing/retrieval.
- Organization of training programs on high throughput data analysis and performance of outreach activities for sensitizing researchers on benefits of data sharing.

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