

**A Note on the Implementation of the “Interim Data Sharing Framework (IDSF)”
by NSDI, DST, New Delhi based on the recommendations of the 15th NSDI Executive Committee
held in DST on 18 August 2022**

Background

As a part of the need to implement the Geospatial Guideline 2021, a Technological Sub-Committee was established by DST in June 2021. The Sub-Committee deliberated on addressing problems/ issues related to various technological matters related to data sharing, identifying and overcoming any gap(s) in this context and suggesting technological solutions for compliance of the Guidelines. The Sub-Committee has submitted its report in June 2022 that recommends implementation of an Interim Data Sharing Framework (IDSF) pending finalization of a long-term solution.

Introduction

Taking into account the current emphasis being laid by the Government on nurturing the National Geospatial Ecosystem towards promoting geospatial business and industry, the NSDI Executive Committee in its 15th meeting held in hybrid mode in DST, New Delhi on 18.08.2022 has considered and accepted the recommendations of the above Technological Sub-Committee of the Geospatial Data Promotion and Development Committee (GDPDC) in respect of the IDSF. It has thus been decided by the Competent Authority in DST to implement the IDSF on priority.

The framework

As per the GDPDC Technological Sub-Committee Report, till a long-term solution is accepted and implemented through a Data Sharing Portal, interim measures should be in place as listed below. The need for such framework is to address the sharing of data with immediate effect to maximise the use of data captured.

1. A note from DST should go to all Ministries, Departments, at Central and State Governments, and to the agencies funded by them (NGOs, Academia, Private Industry) regarding the sharing of the public-funded data along with the following:
 - a. List of valid recipients
 - b. Note on charges for sharing
 - c. Timeline for sharing
 - d. Maintenance and publication of metadata
 - e. Appointment of contact person

2. A generic list of valid recipients should be created by DST and circulated.

3. Host publishes metadata details on its website, if one exists, or maintains with itself. The same will be required in long-term also.
4. Host identifies a contact person for data sharing and provides this information along with the contact details on its website.
5. Recipient knows about data availability through discussion with a host, host's website or other sources.
6. Recipient makes a request for available data through email.
7. Host responds within a week on sharing arrangement including charges, if any.
8. All communications should be cc'd to the Data Sharing Table at DST for record.
9. Host shares the data with recipient.
10. Recipient adheres to the terms and conditions of data sharing.
11. In case of any representation by the host or recipient to the DST, due to some confusion arising in data sharing, a decision on the same should be taken by a DST appointed Data Sharing Committee (this could be a standing committee), which should meet every month.
12. The NSDI can become the nodal agency on behalf of DST for coordinating the short-term data sharing.

Implementation, Review and Monitoring

In the present context all data providers, named as hosts, need to share their geospatial data and products with the recipients through a request by mail or other possible or similar means. All Ministries, Departments at Central and State Governments and the Agencies funded by them (i.e. NGOs, Academia, and the Private industry) are expected to notify the charges for sharing the data, their terms & conditions; time line for sharing; and the details of the contact persons in their web site for quick and easy reference by the recipients. Complete metadata regarding the data also have to be made accessible in their portal using IS 16439:2016, if already not there by specifying a timeline for their publication. The following review and monitoring mechanism is proposed for implementing the IDSF:

- On the 5th of every month, all data supply activities/ transactions of the previous month of the host with the authorized recipients is compiled in the table provided at **Annex I** and shared with NSDI/ DST in PDF format by e-mail to nsdi@nic.in.
- As per the decision taken on the recommendations of the NSDI Executive Committee, the authorized recipients of data include the following:
 - Government Agencies (Ministries/ Departments/ Agencies etc.)
 - Semi-Government Agencies (e.g. PSUs)
 - Private Enterprises registered under the Indian Laws
 - All Academic Institutions registered in India
 - NGOs registered in DARPAN Portal and
 - Individual citizens identified through Aadhaar of UIDAI.
- Information so received will be updated and compiled in respect of each of the hosts by the 10th of every month at NSDI as per **Annex II** for reporting to the Data Sharing Committee (i.e. the Sub-Committee of the NSDI Executive Committee as recommended in its 15th meeting on 18.08.2022).
- If the update is not received in time, a reminder is proposed to be sent to the corresponding host's contact person by 7th of the respective month for providing the reasons for any delay and the host's strategy to overcome the underlying issues.
- The responses are duly processed in NSDI to be put up as per the format provided in **Annex III** to the appointed Data Sharing Committee that should meet in the last week of every month in virtual mode to consider those cases where the data supply has missed the deadline or the data has not been shared for possible resolution of the underlying issues.
- In case of any representation received directly from the recipient or forwarded by the host to NSDI in connection with sharing or supply of the data due to some confusion, a decision on the same should be taken by the above said Committee and communicated to the concerned for further follow up.
- The NSDI Executive Committee should review and guide the implementation of the IDSF every six months and report the progress to the apex level Geospatial Data Promotion & Development Committee (GDPDC) for assessment and guidance.

The IDSF arrangement should start functioning from the month of October 2022 for reporting, monitoring and review purposes.

Proposed Table Format for Reporting, Monitoring and Review of IDSF implementation

Annexure - I

Report by the Host to NSDI (Due on 5th of every month)

Indent No. & Date	Name of Indenter or organisation	Committed Date of Delivery	Is Desired data Free of cost or not	Is the required amount of fees paid by the Indenter	Date of delivery as per Departmental policy of Data Supplier	Means of delivery	Data delivered or not delivered	Reason(s) , if not delivered	Reason(s) , if Delivered late i.e. after given time line

Annexure - II

**National spatial Data Infrastructure
Database format to handle the cases for resolution at NSDI**

Year	Month	Indenter	Delivered by	Reason if not delivered/ beyond given Time Line	Action Suggested by Data Sharing Committee

Annexure - III

**National Spatial Data Infrastructure
(Report to be submitted to Data Sharing Committee on the 10th of every month)**

Reporting Month:

Year:

Indenter	To be deliver by	Delivered or not delivered	Reason if not delivered