

SDI BASIC STEPS

Some basic steps

1. Identify what data you hold.
2. Assign metadata – at the very minimum to include a Minimum Bounding Rectangle in Lat, Log to provide the geospatial reference.
3. Make the metadata searchable through some search engine, internally at least.
4. Include the search engine capability on the organization's web page.
5. Establish a licensing regime supported and underpinned where applicable by government policy.
6. If you have not already done so, capture data sets in digital form, eg scan manuscript documents into TIFF, GeoTIFF, JPEG etc ensuring that the scan density is such that the user community can use it without resorting to the hard copy to resolve readability.
7. Capture data as close to source scale/ resolution as possible [i.e not at product scale]
8. Where possible use optical character recognition to capture the data in vector format. This requires rigorous checking and validation.
9. Where OCR is not an option, eg hand-drawn soundings, vector capture will require double digitization to ensure the quality and completeness of data capture.
10. Update the metadata search facility to identify raster or vector data availability.
11. Facilitate download of data sets as flat files.
12. Facilitate automated search and download of data sets via web mapping services.
13. Develop a seamless validated database of vector data using international standards, eg S-57 or S-100 feature data dictionary or data model.
14. Where security of data is an issue, develop an acceptable level at which data can be made available either in-country or internationally. This may involve data thinning or gridding to a level where data may be declassified.
15. Facilitate automated search and download of data via web feature services.