





The Vision of a NSDI for BrazilMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMailMail
 <u>Geospatial data should be collected once</u> and maintained at the level where this can be done most effectively
✓ It should be possible to <u>combine seamlessly</u> geospatial data from different sources and share it between many users and applications
 ✓ It should be possible for information collected at one level to be <u>shared</u> <u>between all the different levels</u>
✓ Geospatial data needed <u>for good governance</u> at all levels should be promptly available for extensive use
✓ It should be <u>easy to discover</u> which geospatial data is available, which fits the needs for a particular use and how it can be acquired and used
✓ Geospatial data should become <u>easy to understand</u> and interpret because it is properly documented and can be <u>visualized</u> within the appropriate context selected in a <u>user-friendly way</u>
inspiration coming from the INSPIRE directive







INDE's Definition	E2 IBGE
"Collection of integra procedures for agreements, necessary sharing, dissemination	ted technologies, policies, mechanisms and coordination and monitoring, standards and to regulate the production, storage, access, and use of geospatial data from the federal, state, districtal and municipal levels." <i>Presidential Decree</i> 6666/08
The term "Spatial Data Infr relevant base collect arrangements that faci The SDI provides a bas application for users and p commercial sector, the ne	astructure" (SDI) is often used to denote the on of technologies, policies and institutional litate the availability of and access to spatial data. is for spatial data discovery, evaluation, and providers within all levels of government, the on-profit sector, academia and by citizens in general. SDI Cookbook – Version 2.0

INDE's Objectives (Decree 6666/08)





The Brazilian SDI – INDE – has been established in the realm of the government's federal sector with the following main objectives:

- √ To promote enough ordering in the production, storage, access, sharing, dissemination and use of the geospatial data coming from the governmental organizations of all levels, aiming the country's development
- $\sqrt{}$ To promote the use, in the production of geospatial data by the governmental organizations of all levels, of the standards and specifications homologated by CONCAR
- $\sqrt{}$ To prevent duplicate actions and the waste of resources in the acquisition of geospatial data by the governmental organizations, through the release of the corresponding metadata by those organizations
- All the federal organizations that produce and maintain geospatial data sets and information will be obliged to make their GI collections, including the corresponding metadata, publicly available through the so-called Brazilian Directory of Geospatial Data - DBDG

The Brazilian Directory of Geospatial Data

IBGE

For the fulfillment of the INDE's objectives, the **Brazilian Directory of Geospatial Data** – "**DBDG**" will be implemented. The portal that will provide access to the DBDG data, metadata and related services will be named **Brazilian Portal of Geospatial Data** – "**SIG Brasil**".

The DBDG has been defined, in the Decree 6666/08, as a **system of data servers distributed in the Internet**, aimed at gathering GI producers, administrators and users in the cyberspace, for the **storage**, **sharing** and **access** to GI and related services.

The DBDG should rely on an **open**, **scalable** and **distributed architecture**, that will expectedly make use of the **OGC standards** for web services.



CONCAR's Role in Building the INDE
CONCAR will play a directive and normative role in the scope of the INDE. It has been assigned with some key responsibilities in the Decree 6666/08, among which:
To homologate the standards and specifications for both the INDE and the National Cartographic System
$\sqrt{10}$ To define the directives for the DBDG's implementation
 To ensure that the DBDG will comply with the Interoperability Standards of e-Government adopted by the Brazilian government
\checkmark To promote the development of software solutions based on open source code, freely distributed, to meet the DBDG requirements
 To coordinate the implementation of the DBDG according to the action plan for the INDE's implementation
\checkmark To submit to the MP, within 180 days from the Decree's publication, an action plan for the INDE's implementation

















