

INEGI



THE MEXICAN SPATIAL DATA INFRASTRUCTURE (IDEMEX). A Tool for Development

IDEMEX

INEGI

CONTEXT

- Answer to challenges and requirements of globalization, sustainable development and technological outburst
- Official impulse and support to geographic projects of national interest
- Congruence with information exchange systems at worldwide level
- Attention directed to economic, demographic and social phenomena happening in the geographic space.

IDEMEX

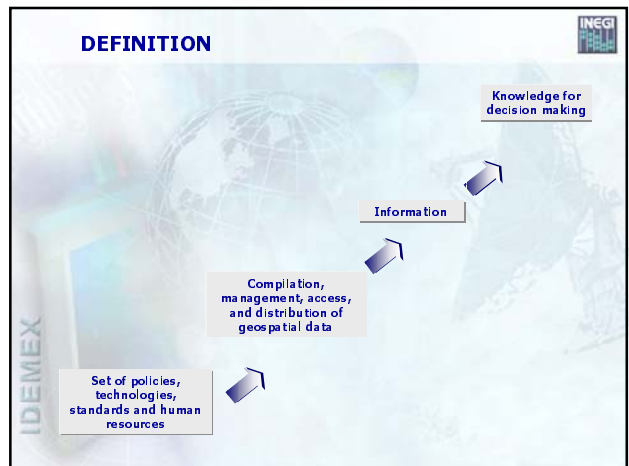
INEGI

OBJECTIVE

To disseminate, socialize and take the best advantage of geospatial information in a state, national, regional and global integration scope.



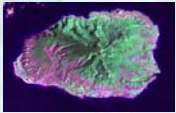



IDEMEX



INEGI

GEOGRAPHIC DATA

- Fundamental**
 - Imagery
 - Geodesy
 - Orography
 - Hydrographic nets
 - Geographic names
 - Political division
 - Cadastre
 - Elevation models
- Basic**
 - Topographic
 - Geostatistic
 - Urban
- Added value**
 - Environment
 - Natural resources
 - Derived information.







IDEMEX

INEGI

CRITERIA

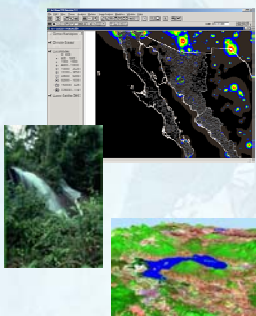
- Standardization of national geographic information
- Rationality and efficiency
- Access and distribution using modern tools
- Maximum utilization of information and communication technologies.

IDEMEX

COMPONENTS

- Produces and users
- Fundamental, basic and added-value data
- Databases and data networks
- Metadata
- Data sources, catalogs
- Compilation, access, management and distribution technologies
- Transference, representation and use of information.



IDEEMEX

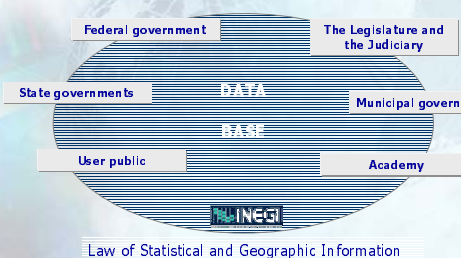
POLICIES

- Strengthening in cooperation
- Performance of coordination agreements
- Linkage with national, regional and international institutions
- Data generation for project supporting of national interest at the three levels of government
- Orientation to decision making.



IDEEMEX

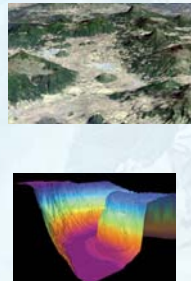
INTERINSTITUTIONAL LINKAGE



IDEEMEX

TECHNOLOGIES

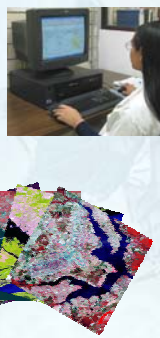
- Geographic activity with digital technology
- Remote sensing
- Global Positioning System
- Geodetic Reference System
- Computerized cartography
- Geographic databases
- Geographic Information Systems
- Satellite Imagery
- Aerial photography
- Light Detection and Ranging (LIDAR)
- Internet.



IDEEMEX

PRESENT CONDITION

- Cartography and geographic information in analog and digital format
- Conceptualization of fundamental, basic and added-value data
- Normalization and standardization of geographic information
- Continuous metadata generation
- Geographic database development
- Establishment and operation of a clearinghouse and a gateway.



IDEEMEX

HUMAN CAPITAL DEVELOPMENT

Training






- Management and application of standards and software tools
- Courses on metadata in APF, concerning geospatial information
- Research and studies of geographic and cartographic matters related to:
 - Geodesy
 - Imagery
 - Cartography and photogrammetry
 - System developments.



IDEEMEX





ADVANTAGES

- Multifunctional usefulness of the geographic information
- Variety of projects
- Greater technological application
- Qualified human resources
- Solution of information requirements of the public sector and of the society as a whole
- Financial resources optimization
- Assurance of timely-information access
- Regional and global communication.

PROSPECTIVE

- Consolidation of the geographic activity of Mexico
- Strengthening of IDEMEX
- Regulation of production, integration and diffusion of data and metadata
- Assurance of the coordination of all sectors
- Promotion of a culture in the use geographic information
- Increase of international projection

VISION

Aware of the importance of the geospatial information, Mexico consolidates the geographic activity and the IDEMEX development producing high quality information for impelling the sustainability, economic growth and social welfare.

