



Generation and Access to Geological Information In the Mexican Geological Survey

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Key Messages

- Geological information plays an important role and has economic and scientific value; preservation of legacy data and new data are essential and critical.
- Geological information accessible to public, and fully transparent.
- Find the ways and mechanisms to make information public, by overcoming the challenges, innovating and using available technology.
- Accessibility throughout digital online platforms, is low cost, time effective and interactive.
- Publically available geological information sensitizes society and governments, it contributes to improve decision-making processes, it is basic to address national challenges and to stablish public policies.







The Mexican Geological Survey

- Established based on Art. 9 of the Mexican Mining Law.
- More than 75 years generating and providing geological information.
- We are a federal institution engaged in generating and providing geological information, promoting its application to support investment and increase competitiveness of the extractive sector, trough a sustainable use of natural resources, contributing to the national development.









Thematic areas

- Geology and geological mapping
- Geochemistry
- Geophysics
- Geohydrology
- Environmental geology
- Remote sensing
- Geological hazards and risk assessment
- Research in geosciences
- Mineral resources prospecting, assessment and evaluation
- Energy minerals
- Laboratory services
- Institutional Databank
- GeoInfoMex







Generation of geological information

Data acquisition and processing

Aerially collected and remote sensing



Magnetometry, TEM, Radiometry, Hyperspectral

Laboratory



Collaboration

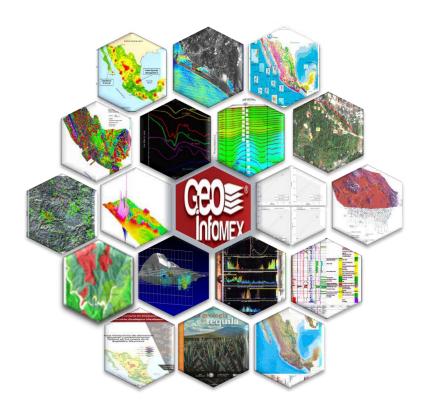






Generation of geological information

Data processing, interpretation, serving, and preservation



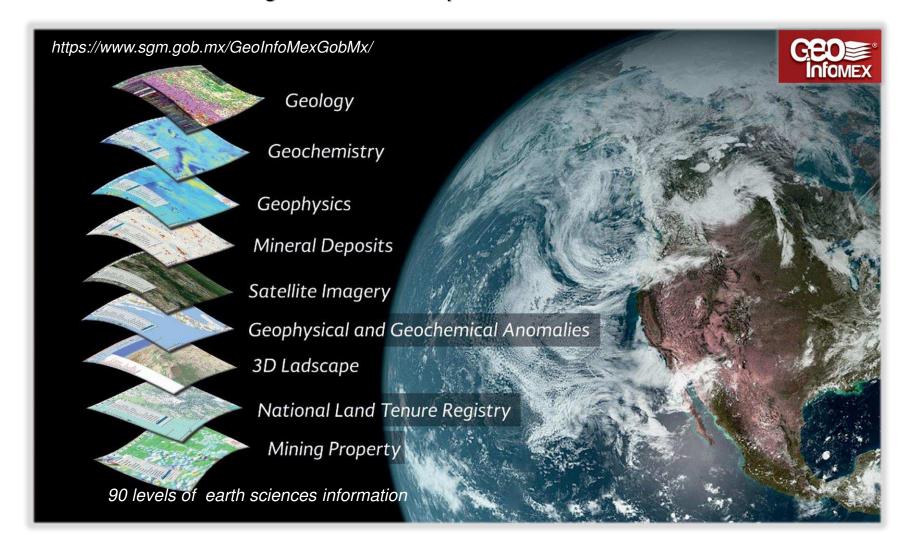






Access to geological information

GeoInfoMex a Geological Information platform









Access to geological information: Online resources

https://www.sgm.gob.mx/GeoInfoMexGobMx/

Combination of new and existing earth sciences data and information, served in a geographical information platform, with 90 information layers, with descriptive attributes, visualization windows, and downloading options, an easy and mobile tool allowing the user to access technical data.



Legacy data, heritage data and new data throughout an interactive web platform.

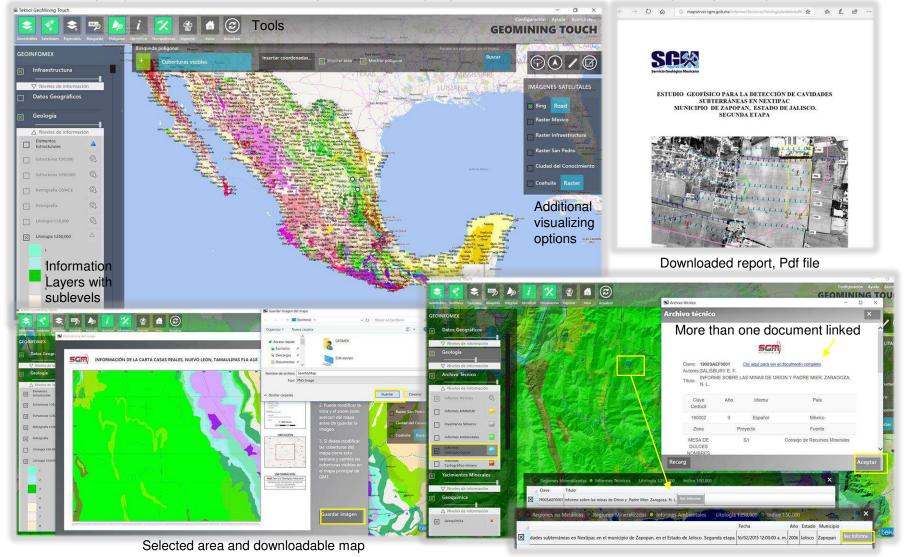






GeoInfoMex a Geological Information platform

Data display, content, visualizing, consulting options, and downloading of geological data.

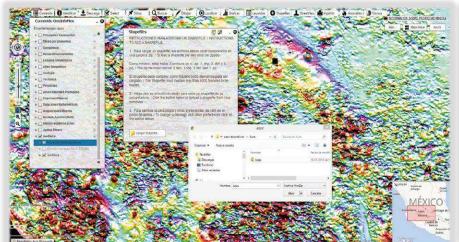








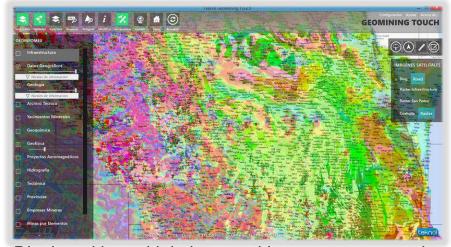
GeoInfoMex a Geological Information platform

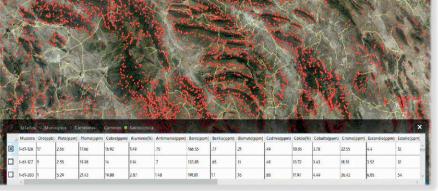




Data downloading

Information displayed at different scales





Displayed in multiple layers with transparency options

Data display including database



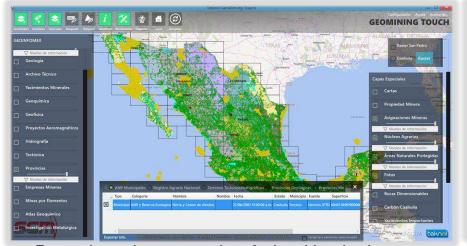




GeoInfoMex a Geological Information platform



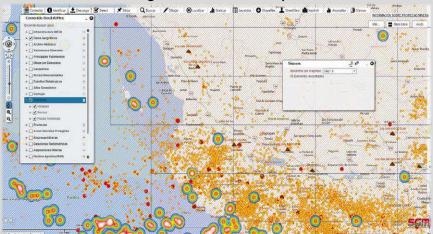




Data shared among other federal institutions



Google street-view options



Information for sensitizing, easy consulting and quick reference for decision making

Subsecretaría de Minería





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