GeoNode

Is a platform for the management and publication of geospatial data. It brings together mature open-source software projects under an easy to use interface. With GeoNode, non-specialized users can share data and create interactive maps.

GEONODE IS MADE FOR

Users
who log into a GeoNode website and use its functionality.

Administrators
who install and deploy GeoNode websites in production for their Users.

Developers
who write code to add functionality, integrate with other systems, fix bugs, and potentially help an Administrator setup a server and deploy a GeoNode instance for production.
MANAGEMENT AND PUBLICATION OF GEOSPATIAL DATA

- RASTER DATA
  - Users can upload geospatial data from different file types, including Shapefile and GeoTiff.

- VECTOR DATA
  - Designed to be extended and modified; it can even be integrated into existing platforms.

- METADATA
  - Securely stores geospatial data.
  - Open standards are compatible with external layers from OpenStreetMap, Google Satellite or elsewhere.

- DATA MANAGEMENT
  - Specialized tools to analyze geospatial data.
  - Features a web-based styles editor to create maps.

- DATA MIXING
  - Securely stores geospatial data.

- MAPS CREATION / MAP VISUALIZATION
  - Features a web-based styles editor to create maps.

http://geonode.org