

# Better Data Sharing: Why do we care and how can we do it?

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OpenGeo



GFDRR  
Global Facility for Disaster Reduction and Recovery



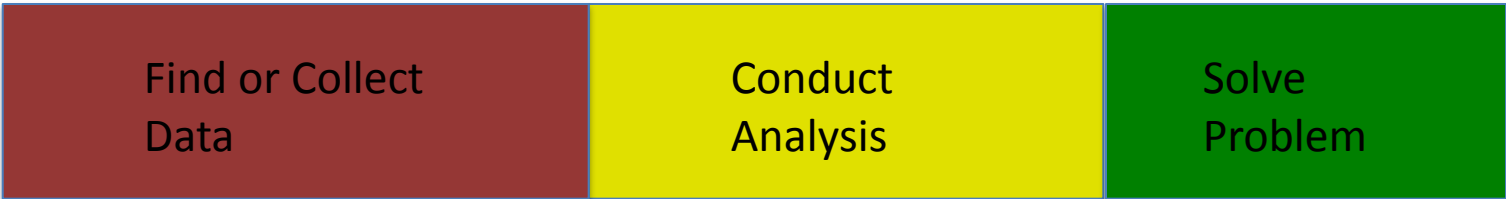
Cooperative Governance  
Traditional Affairs

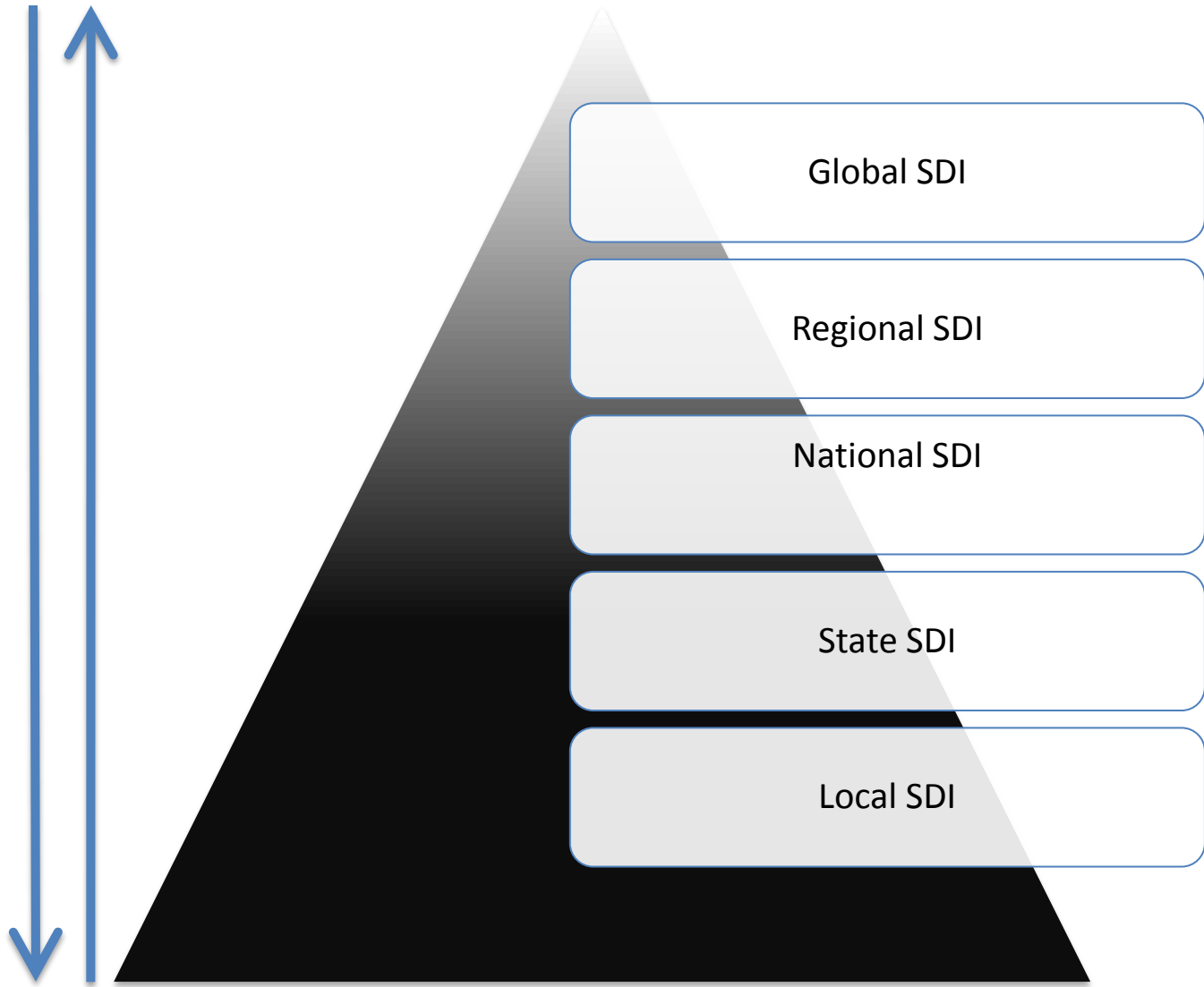


ISDR

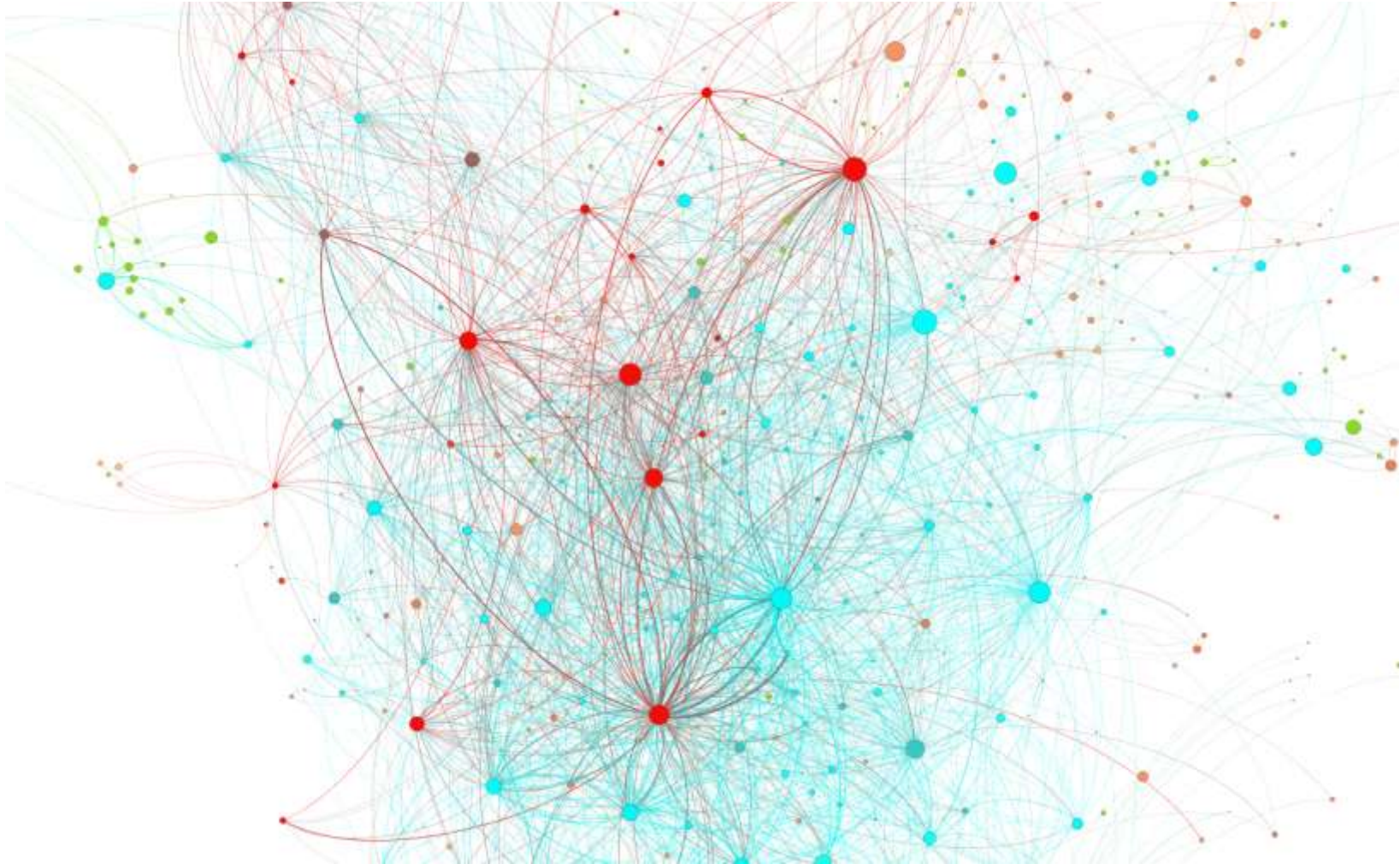








# *Spatial Data Network*



Lots of

**Actors**

Engaging in

**Formal & Informal Interactions**

Around

**Data**

Limited Connections

Difficult Interactions

# *So What?*

**Fewer** Connections

**Fewer** Interactions

→ *Less Participation*

**More** Connections

**More** Interactions

→ *More Participation*



**Embrace Rational Openness**

# Build Communities



Not Fortresses



**Low Barriers to Entry**

**Play well with others**

**Encourage Participation**

**Embed Rational Openness**

## Add data

Note that time support in MapStory is currently limited to everything from 1AD until the reasonable future (5,874,897 AD).

Uploading of zip files is also supported. The zip file must contain the appropriate shapefiles (.shp, .dbf, .prj) in the top-level directory.

Title:

Data:  [Browse...](#)

DBF:

SHX:

PRJ:

SLD:  [Browse...](#)

Abstract:

Drop Files Here

[Upload](#)

Please wait

Uploading your data...

2162 of 5444

## Permissions

Who can view and download this data?

- Anyone
- Any registered user
- Only users who can edit

Who can edit this data?

- Any registered user
- Only the following users or groups:

[Add user...](#)

Who can manage and edit this data?

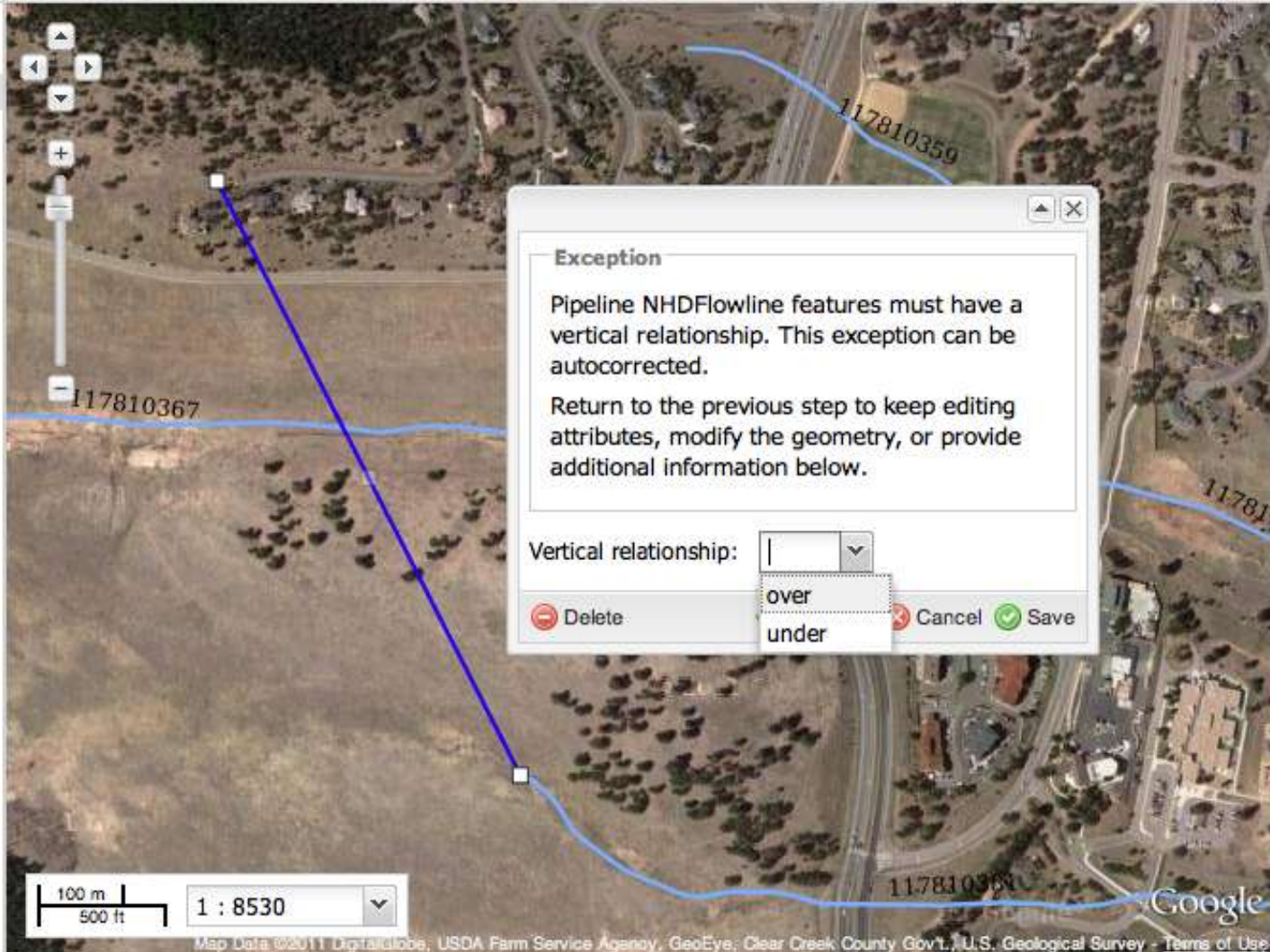
[Add user...](#)



Search for a location ...

Exceptions Preferences

- Overlays
  - NHD Point
  - NHD Flowline
  - NHD Line
  - NHD Area
  - NHD Waterbody
- Base Layers
  - Google Satellite
  - Google Terrain
  - OpenStreetMap



**Exception**

Pipeline NHDFlowline features must have a vertical relationship. This exception can be autocorrected.

Return to the previous step to keep editing attributes, modify the geometry, or provide additional information below.

Vertical relationship:



The GeoNode is an open service built on open source software. We encourage you to build new applications using the its components and the resources it provides. This page is a starting point for developers interesting in taking full advantage of the GeoNode. It also includes links to the project's source code so anyone can build and customize their own GeoNode.

### GeoNode Software

All the code that runs the GeoNode is open source. The code is available at <http://github.com/geonode/geonode/>. The issue tracker for the project is at <http://projects.opengeo.org/CAPRA>.

The GeoNode is built using several open source projects, each with its own community. If you are interested in

### GeoNode's Web Services

GeoNode's Web Services are available from the following URLs:

- **Dynamic tiles via WMS:** [WMS 1.1.1](#)
- **Vector data via WFS:** [WFS 1.1.0](#)
- **Metadata search via CSW:** [CSW 2.0.2](#)
- **Cached tiles via WMTS:** [WMTS 1.0.0](#)

Upload Dataset and automatically publish in OGC Feed, while respecting underlying security set by user.

### Download

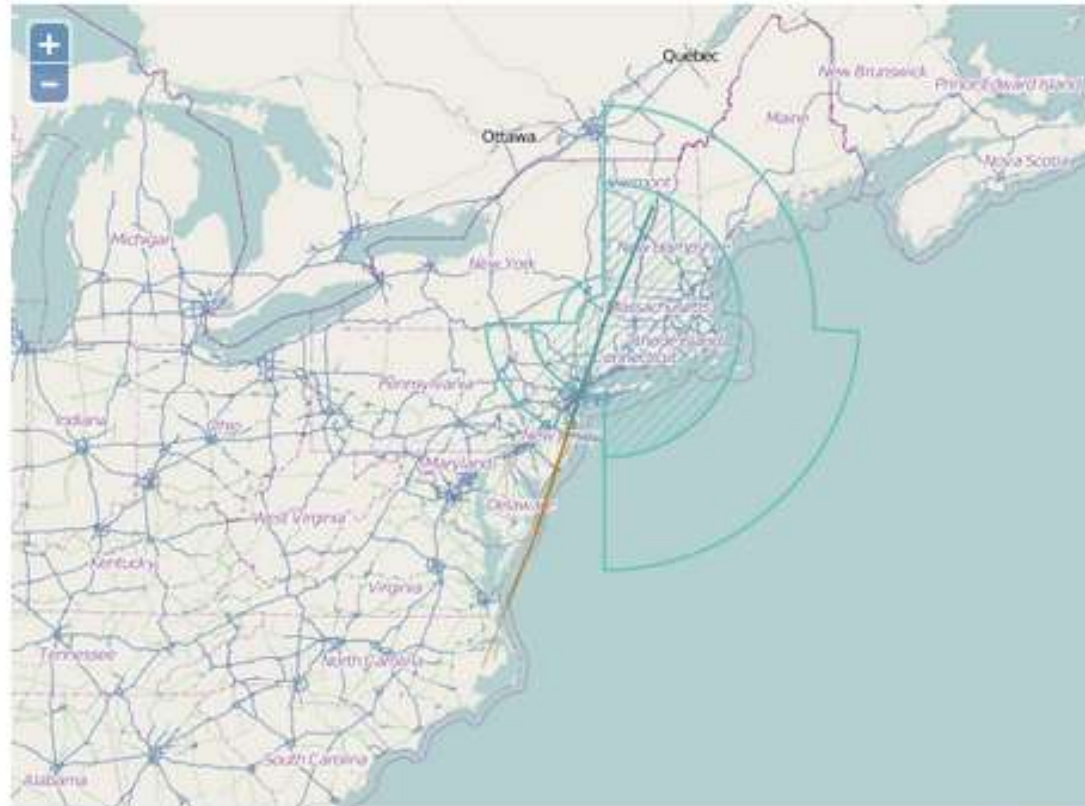
**Data:** [Zipped Shapefile](#) [GML 2.0](#) [GML 3.1.1](#)  
[CSV](#) [Excel](#) [GeoJSON](#) [JPEG](#) [PDF](#) [PNG](#) [KML](#)  
[View in Google Earth](#)

**Metadata:** [TC211](#) [Excel](#)

Access in lots of formats

GeoServer REST API  
Shapefile Upload  
cURL

```
curl -u admin:geoserver -XPUT -H 'Content-type: application/zip' \  
--data-binary @roads.zip \  
http://localhost:8080/geoserver/rest/workspaces/acme/datastores/roads/file.shp
```



0 Views

 Info  Layers  Share  Flag  Add

★★★★★

Uploaded by admin on April 3 2012

Rate this MapStory  ★★★★★ 

Abstract:

## Comments

Awesome Map! — 0 minutes ago

Galen Evans  Delete

Post a comment

**TsuDAT**

admin [Logout](#)

Layers Legend

- Overlays (optional)
  - Sub-Faults
  - Hazard Points
- Elevation Models (required)
- Base Layers
  - None
  - OpenStreetMap
  - Google Terrain
  - Google Satellite
  - Google Roadmap
  - Google Hybrid

**Available Layers**

View available data from: Local GeoServer [Add a New Server](#)

Title	ID
ga_250m	tsudat:ga_250m
gebcoc8	tsudat:gebcoc8
gtopodem	tsudat:gtopodem
townsville_paul_at_depth	geonode:townsville_paul_...
townsville_paul_at_slope	geonode:townsville_paul_...
townsville_paul_at_velocity	geonode:townsville_paul

**Elevation data is the key input to generating a tsunami simulation.** Choose what elevation data will be used in the simulation. Then, order from highest quality to lowest (based on spatial resolution, quality and date) by dragging and dropping in layer pane on the left.

[Add layers](#) Done

**Step 1. Tsunami Scenario**

**Step 2. Tsunami Simulation Area**

**Define the area for the tsunami simulation.** Draw or upload the area over which to run the simulation, add and rank elevation data, then define the default mesh resolution.

Simulation Area: [Draw](#) or [Import](#)

Mesh Resolution: 1000000 m<sup>2</sup>

Mesh Friction: 0.01

Elevation Data: [Add data](#)

**Optionally, create internal polygons** for areas of interest or to define areas with different mesh resolutions or mesh frictions.

[Draw](#) or [Import](#) a Mesh Resolution

Type	Value

**Step 3. Simulation Parameters**

**Step 4. Generate Tsunami Simulation**

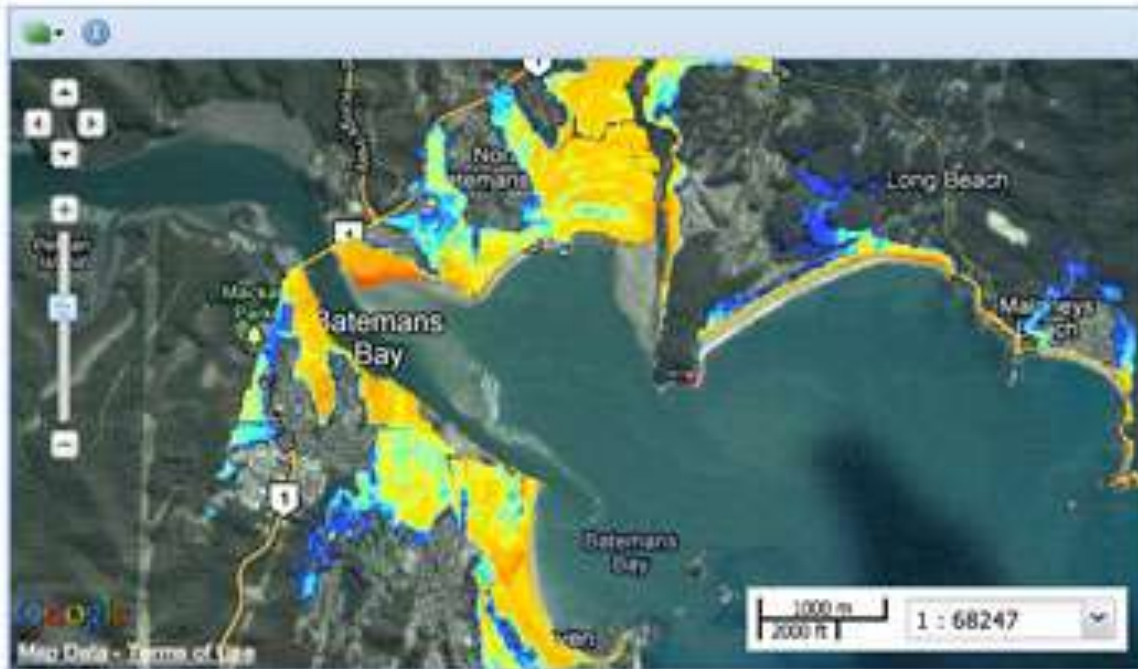
tsudat.nci.org.au/tsudat2-client/#

Google, GBRMPA, Europa Technologies, TerraMetrics - [Terms of Use](#)



## Batemans Bay Depth Max (Demo)

**Abstract:** This layer shows the maximum flow depth from a 1 in 1000 year tsunami that was generated by a magnitude 8.5 earthquake on the Puysegur subduction zone. The tsunami amplitude at the 100 m water depth contour was 0.82 m and the tide height during the simulation was 0.0 m. This simulation used a Trial setup. Elevation data used in this tsunami simulation includes. <- Not necessarily true of this layer, DEMO only.



Type: Raster Data

Keywords: category:hazard subcategory:tsunami unit:m source:tsudat source:flow\_depth

Topic Category: location

## Download

Data: [GeoTIFF](#) [JPEG](#) [PDF](#) [PNG](#) [KML](#) [View in Google Earth](#)

Metadata: [TC211](#)

## Maps

The following maps use this data set:

- [Batemans Bay Example](#)

[Create new map](#)

## Styles

The following styles are associated with this data set. Choose a style to view it in the preview to the left. Click on a style name to view or edit the style.

Flow\_Depth SLD

Batemans\_Bay\_Depth\_Max\_Demo\_B744fb64 SLD

Default style:

Flow\_Depth

[Create new style](#)

## Manage

- [Update the description of this data](#)



**Abstract:** This polygon vector layer shows an evaluation of Haiti's soil use capacity for agriculture, taken at an approximately 1:250,000 scale. It was created by the Haitian National Centre for Geospatial Information (CNIGS) in April, 1998. Given the age of the data conditions may have changed.

**Metadata language:** eng

**Map date:** April 4, 2011, 6:14 p.m. **Date Type:** creation **Edition:**

**Type:** vector

**Attributes:** the\_geom, LITHOLOG, POTENTIA, DESCRIPTIO, AREA

**Update frequency:** unknown

**Point of Contact:** [default](#) : default - None

**Country and Region:** HTI

**Use Constraints (Legal):** copyright

**Topic Category:** farming

**Citation:** copyright

**Owner:** [default](#) : ()

**Supplemental Information:** None available

**Bounding Box:** SRID=EPSG:32618;POLYGON((554877.9019233466 1992987.7710250681,554877.9019233466 2222927.1871257015,855241.6758479672 2222927.1871257015,855241.6758479672 1992987.7710250681,554877.9019233466 1992987.7710250681))

**Native SRS:** EPSG:100001

- II - Très bonne
- III - Bonnes
- IV - Moyennes
- V - Médiocres
- VI - Faibles
- VII - Limitées
- VIII - Très limitées

## Maps

The following map

- ◊ [Haiti Soil Capa \[04,1998\]](#)
- ◊ [Haiti's Soil Cap](#)

[Create new map](#)

## Styles

The following style this data set. Clic the preview to the name to view or e

- Capacite\_Des\_!
  - Soil\_Capacity S
- Default style: [C](#)
- [Create new style](#)

## Manage

- ◊ [Update the de](#)
- ◊ [Upload a new \](#)
- ◊ [Remove](#)

## Permissions

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- Only users who can edit

Who can edit this data?

- Any registered user
  - Only the following users or groups:
- [Add user...](#)

Who can manage and edit this data?

- default
- gevans

## Manage

- ◊ [Update the description of this data](#)
- ◊ [Upload a new version of this data](#)
- ◊ [Remove](#)

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- gevans

Enabling better data sharing can  
help us solve our difficult problems  
better

Thank You!

[gevans@opengeo.org](mailto:gevans@opengeo.org)