

# GEONIS: Management, documentation, and publication to the NIS of spatial data



Published on *LTER Information Management* (<http://im.lternet.edu>)

Home > GIS > GEONIS: Management, documentation, and publication to the  
NIS of spatial data

---

## **GEONIS: Management, documentation, and publication to the NIS of spatial data**

Fri, 02/24/2012 - 11:26am — tvalentine



and during a working group breakout session, at their 2013 annual meeting in Fairbanks, Alaska.

Following discussions with LNO staff at the LTER Information Managers Committee in Fairbanks, a value added product was discussed to provide a geoprocessing service that PASTA could initiate for a data check, prior to data being placed in the production PASTA portal. The current GeoNIS tools work in production and testing mode. It would be possible to have sites submit data to the testing mode before submitting their data to PASTA. The contractors did not have time to complete this task on this contract. They did outline a process for the task, and estimate that it would take about 80 hours to complete the task at a cost of \$3,200.

The GeoNIS working group has committed to monitoring the project, and will be moving it to production mode (where the workflow runs on a schedule, searching PASTA for new spatial data, and running the workflow and updating the web services).

The GeoNIS working group would like to acknowledge the support it received from the LTER Network Office to fund this development. The project has helped sites document their spatial data with EML, incorporating said data into PASTA, and provides services to the sites for their spatial data. In addition, several LTER sites provided sample datasets for testing, and worked to improve the workflow and best practices for documenting spatial data.

Members of the GeoNIS working group are: Adam Skibbie (KNZ), Theresa Valentine (AND), Jamie Hollingsworth (BNZ), and Aaron Stephenson (NTL). Contractors were Ron Beloin and Jack Peterson

## Downloads

- View all releases [3]  [4]

## Development

- View pending patches [5]

Attachment	Size
Final report on the GeoNIS workflow project September 2013.docx [6]	63.27 KB
GeoNIS working group notes from IM Meeting in Fairbanks 2013 (docx) [7]	19.36 KB
Report on the GeoNIS meeting at the LTER Network Office January 2013 [8]	20.06 KB
GEONIS Diagram, version 2 [9]	145.38 KB
GEONIS.pptx [10]	189.2 KB
GEONIS Conference Call Notes 3/29/2012 [11]	17.92 KB
Metadata_presentation.pptx [12]	64.43 KB
GeoNIS Agenda (docx) [13]	15.43 KB
Results of Spatial Raster instances in EML (pdf) [14]	206.19 KB
Results of Spatial Vector instances in EML (pdf) [15]	120.5 KB
GeoNIS Components v3.0 [16]	159.84 KB
geonis_wordle1.jpg [17]	109.33 KB

Attachment	Size
GeoNIS Workflow Group Notes.docx [18]	108.98 KB
GeoNIS_Meeting_Notes_AS1.docx [19]	96.15 KB

- GIS concepts [20]
- gisData [21]

- Copyright © 2012 Long Term Ecological Research Network, Albuquerque, NM -  
This material is based upon work supported by the National Science Foundation under Cooperative Agreement #DEB-0236154. Any opinions, findings, conclusions, or recommendations expressed in the material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation. Please contact us with questions, comments, or for technical assistance regarding this web site.

---

**Source URL:** <http://im.lternet.edu/project/GEONIS>

**Links:**

- [1] <http://www.lternet.edu/map/>
- [2] <http://geonis.lternet.edu/>
- [3] <http://im.lternet.edu/node/988/release>
- [4] <http://im.lternet.edu/node/988/release/feed>
- [5] [http://im.lternet.edu/project/issues/search/GEONIS?status\[\]=8&status\[\]=13&status\[\]=14](http://im.lternet.edu/project/issues/search/GEONIS?status[]=8&status[]=13&status[]=14)
- [6] [http://im.lternet.edu/sites/im.lternet.edu/files/geonis\\_project\\_contractor\\_reports.docx](http://im.lternet.edu/sites/im.lternet.edu/files/geonis_project_contractor_reports.docx)
- [7] [http://im.lternet.edu/sites/im.lternet.edu/files/GeoNIS\\_Working\\_Group\\_notes\\_2013.docx](http://im.lternet.edu/sites/im.lternet.edu/files/GeoNIS_Working_Group_notes_2013.docx)
- [8] [http://im.lternet.edu/sites/im.lternet.edu/files/Report on the GeoNIS meeting at the LTER Network Office.docx](http://im.lternet.edu/sites/im.lternet.edu/files/Report_on_the_GeoNIS_meeting_at_the_LTER_Network_Office.docx)
- [9] [http://im.lternet.edu/sites/im.lternet.edu/files/geo\\_diagram2.jpg](http://im.lternet.edu/sites/im.lternet.edu/files/geo_diagram2.jpg)
- [10] <http://im.lternet.edu/sites/im.lternet.edu/files/GEONIS.pptx>
- [11] [http://im.lternet.edu/sites/im.lternet.edu/files/geonis\\_call3\\_29\\_2012\\_0.docx](http://im.lternet.edu/sites/im.lternet.edu/files/geonis_call3_29_2012_0.docx)
- [12] [http://im.lternet.edu/sites/im.lternet.edu/files/Metadata\\_presentation.pptx](http://im.lternet.edu/sites/im.lternet.edu/files/Metadata_presentation.pptx)
- [13] [http://im.lternet.edu/sites/im.lternet.edu/files/GeoNIS\\_Agenda.docx](http://im.lternet.edu/sites/im.lternet.edu/files/GeoNIS_Agenda.docx)
- [14] <http://im.lternet.edu/sites/im.lternet.edu/files/Rasters.pdf>
- [15] <http://im.lternet.edu/sites/im.lternet.edu/files/SpatialVectors.pdf>
- [16] [http://im.lternet.edu/sites/im.lternet.edu/files/GeoNIS definitions v3.0.docx](http://im.lternet.edu/sites/im.lternet.edu/files/GeoNIS_definitions_v3.0.docx)
- [17] [http://im.lternet.edu/sites/im.lternet.edu/files/geonis\\_wordle1.jpg](http://im.lternet.edu/sites/im.lternet.edu/files/geonis_wordle1.jpg)
- [18] [http://im.lternet.edu/sites/im.lternet.edu/files/GeoNIS Workflows.docx](http://im.lternet.edu/sites/im.lternet.edu/files/GeoNIS_Workflows.docx)
- [19] [http://im.lternet.edu/sites/im.lternet.edu/files/GeoNIS\\_Meeting\\_Notes.docx](http://im.lternet.edu/sites/im.lternet.edu/files/GeoNIS_Meeting_Notes.docx)
- [20] <http://im.lternet.edu/taxonomy/term/107>
- [21] <http://im.lternet.edu/taxonomy/term/50>