“Everything on Earth happens somewhere at some time. But, we each experience this common dataset of Earth’s history differently.

In order to achieve a superior understanding of our world, then, we need a place to share open spatio-temporal data, edit these data for completeness and with eye towards consensus, and, most importantly, use them to develop spatial *narratives* that give us a deeper understanding of how, where and why change occurs in our world.
**StoryLayers** = openly licensed spatio-temporal datasets.

**MapStories** = spatial narratives built using StoryLayers and other narrative elements (text annotations, photos, videos, etc)

**StoryTelllers** = The attributed users who share StoryLayers or compose MapStories.
Build a space-time data commons
Empower community editing
Go from spatial data to spatial narrative
Empower learning & Keep improving.
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See 32 years of DC bike lane growth in one animation

by Dan Malouf  •  July 23, 2014

DC has had a smattering of bike lanes since at least the 1970s, but the network only started to grow seriously starting in about 1990. The animation shows the growth of DC's bike lane network from 1980 through to 2012.

That was pretty interesting. It would be nice to also see a version of the "planned" rollout schedule, but I wonder how ordered the list is at this point.

by The Truth™ on Jul 23, 2014 11:47 am • link • report

I think it would make more sense to concentrate on connecting all these little spurs together into a network. It is frustrating how the bike infrastructure stops/starts so often.

by staypuftman on Jul 23, 2014 12:17 pm • link • report

Missing on the map are the many trails accessible to bikers.

And Arlington's bike lanes.

by Jasper on Jul 23, 2014 12:21 pm • link • report
Let data improve.
Let narratives form.
MapStory

The atlas of change that everyone can edit

Explore MapStories and StoryLayers

Sign up now  Upload StoryLayers  Compose MapStory  Learn more
GeoNode

OpenLayers, GeoExt, Bootstrap, AngularJS, MapStory

REST API

OGC

Create and manage metadata, users and groups

Standards based metadata catalog publishing

GeoServer
GeoWebCache

Store, retrieve, perform transactions on spatial data

PostGIS
PostgreSQL
GeoGit

django

pycsw
CSW
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KEEP IMPROVING…

3 months:
- Bulk edits (append)
- Raster Upload
- Geologic time support
- Remote data streams
- Client side icons uploads

3-12 months:
- 4d / Cesium integration
- Graphing/charting
- QGIS plug-in
- Longitudinal gazetteer
- More storytelling templates
- Mobile editing and discovery
CHALLENGES

Technical
- Achieving versioned editing at scale
- Geologic time support
- Persisting styling and playback settings for each new MapStory

Social
- Maintaining consistent team of developers from open source communities
- Focusing on the end-user while also developing core features
- Delays caused by dependencies on third party open source projects
Github.com/MapStory

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