

Technology I

Breakout Session – additional notes by Doug Nebert

Greg was tasked to take notes in the Tech sessions, but here is what I collected:

Session 1:

Alabama has an input tool for hydro data editing at the state level.

Pattern is: Local to State to National as aggregation and coordination path

Indiana has a HAZUS database and geospatial tool to collect data for USGS and FEMA

TNM themes overview:

There is a web form for geonames suggestions

NHD has an XML transaction schema but not GML.

Structures database – large volume, local knowledge is a focus of volunteer effort.

Roads are from Census with minimal internal support for updates.

Discussion:

Important to show that data contributed are flagged as provisional

OSM – be careful not to use other sources that may be copyright.

Build a community hierarchy of QA/QC through defined roles.

Requirement: track/tag sources or authorities

Not clear if the OSM license model will work with US Govt data, we might not be able to use the data due to unknown copyright or source liabilities

What about having a separate OpenStreetMap.gov that is an extract and would feed to OSM.

Would be fed from TNM into OSM format,

Control the tags and schema

Manage the source individuals and affiliations for QA management

Display data quality as a rendering flag

Notes from discussion:

From a concept viewpoint, Volunteer Contributed Information should be re-phrased as Contributed information. With respect to TNM, all contributions are valuable, but partner contributions are of a different stature than individuals without context. From a technology viewpoint, handling contributions from individuals or trusted bodies could be the same and should be addressed through a broader understanding of contributions.

Tech Session 2:

Maps can be used as a background to promote the foreground data.

How would federated access be conducted?

Batch load tools and education are needed.

Issues of performance on bulk uploads.

Do we need to accept or adapt the existing charters that define what the TNM should be?
Desire to import data from other sites and collections and leverage community contributions.

OAuth (Open Authentication) could be used with OSM protocols. Often works with OpenID.

Open Web Foundation is enabling standards to go to OASIS/W3C

Recommend that TNM set up an OpenID Provider and investigate OAuth.
Need to consider group access control assignment issues.

Note: There are open source tile-generation tools that could allow generation in a day

'Walking papers' are recommended.

Need to explore motivation, status, rewards, recognition (game ideas) as social practice that may apply in GI and TNM.

Recommend a compelling web presence and live chat or interaction within the community.

Managing and showing aged data along with latest data could be important.

brady@oreilly.com (Brady Forester) was the presenter/session lead