Outline

1. Overview of current technical documentation and points for improvement
2. Presentation of CCOM efforts
3. Initial development of a GeoJSON schema to meet the need for encoding information
4. Long-term evolution and development of metadata fields and schema
5. “Community of contributors”
6. Review new action items

Current status of technical documentation:

- Data and metadata fields were updated in B-12 Edition 3.0.0.
- A PDF containing examples of both GeoJSON and XYZ formats is available on the DCDB webpage.
- A stand-alone GeoJSON example demonstrating minimum required metadata is now on the DCDB webpage.

Identified opportunities for improvement:

- B-12 and the external documents on the DCDB webpage do not include detailed encoding information.
- Currently there is no controlled vocabulary.

- (overview of CCOM efforts)

Initial concept to address gap in encoding information

1. CCOM has offered to stand up a public repository, including the schema and validation tools previously discussed.
2. Leverage CCOM repository to create an initial version of a GeoJSON schema prior to CSBWG14.
    a. This version would be in **full agreement with B-12 Edition 3.0.0** and corresponding external documents currently available on the DCDB webpage.

Discussion

Feedback on leveraging CCOM repository and preliminary schema to create GeoJSON schema in support of B-12

Long-term GeoJSON schema development

- The schema created by CCOM for their own purposes could be the starting point.
- Branches in the repository would allow for community-driven updates to metadata fields and encoding information.
- Controlled vocabulary would naturally evolve as the schema is maintained and updated.
- The DCDB would actively participate and provide input throughout this process.

- Prior to any merges (and creation of a new version of the schema), changes would need to be assessed for consistency with B-12 and DCDB infrastructure.
    1. Proposed changes would be reviewed with (TBD?) to determine which would be considered “minor edits” vs. which would require large-scale discussion and “major edits” to B-12
    2. DCDB would confirm that the proposed changes can be supported by DCDB ingest and archiving systems.
    3. Any merged changes to the schema in the repository would require corresponding edits to B-12 and external documents on the DCDB webpage.

Discussion

Who reviews and signs off on changes prior to merge? What is considered a “minor” vs “major” edit?

Contributors for metadata/data/technical resources

Community of trusted nodes and end users (developers and other) to:

- Review initial GeoJSON schema prior to CSBWG14.
- Identify and provide feedback on potential challenges and opportunities to expand metadata fields and technical resources long-term.
- Within a branch in the repository, guide updates to the schema in response to new issues raised by the community.
- Provide periodic updates to CSBWG, engage in and guide minor edits to B-12 and plan for improvements to the Metadata and Data section of B-12 in future large-scale reviews.
- Brainstorm and lay the groundwork for future community-driven tools and resources (tools like B. Miles Python code to verify against schema).

Discussion

- Preliminary feedback on the concept of a “community of contributors”.
- What is the best approach to form such a group? Subgroup within CSBWG? Standalone “advisory committee”? Other?
- Volunteers?
- Open-source data licensing (propose setting this as an action for subgroup).

Indicative next steps:

1. Confirm volunteers and identify leadership for “community of contributors”.
2. Volunteers to confirm technical approach for repository (i.e. bitbucket vs. github) and determine additional tools to be used within repository (wiki, issue tracking, etc).
3. CCOM to stand up a public repository and update privileges for volunteers.
4. Volunteers to review GeoJSON schema in repository and “finalize” initial version prior to CSBWG14. **Initial version will be in full agreement with B-12 Edition 3.0.0 and existing external documents on the DCDB webpage.**
5. Volunteers to discuss/propose open-source license for projects
6. Decide long-term hosting of repository and admin rights (CCOM, DCDB, IHO, other?)