

dblodgett_HDWG_Geneva_Presentation_Outline

NLDI: [Open Water Web JAWRA Paper](#)

1) Architecture Overview ([Google Analogy](#))

- Linked data sources / local index
- Web crawler(s) to build index
- Service to traverse "the network" and find results

2) API overview (<https://owi.usgs.gov/blog/nldi-intro/>)

- (Catchment) Feature-oriented: ...nldi/{featureSource}/{featureID}
- Network-derived-content-oriented:
...nldi/{featureSource}/{featureID}/{navigate/basin/characteristics}
- Search results interchangeable with search inputs:
...nldi/nldi/{featureSource}/{featureID}/navigate/{dataSource}

3) web demo

(Walk through intro [blog](#))

4) QGIS demo

(show the blog content in qgis)

5) R demo

(Show bottom of [blog](#)) + [nhdplusTools](#)

[ELFIE Outcomes](#): ([USWB Viz Up](#))

1) Goals / Use Case Driven

- Best practices for linking environmental features to data about them.
- Many use cases for discussion, some implemented. Diversity in implementation.

2) Outcomes / Future Work

- JSON-LD Context -- "happy medium"
- "Preview" and "Network" graph views
- Preview Geometry (three ways)

3) Issues / Future Work

- Can't link to things that don't exist
 - Respect data providers conundrum
- Inconsistent publication of reference types and associations
- Default response given multiple options.

ELFIE Phase 2: ([GSIP](#) up as talking point)

1) Goals

- Continue focus on "preview and "network"

- Experiment with reference "baseline" linked data system
- Vet best practices on default dereferencing behavior
- Demonstrate ELFIE-1 content in live services

2) Schedule

- Convene and charter at next TC in Charlotte, NC - USA
- Otherwise TBD