

# Data-gov Wiki: Towards Linked Government Data

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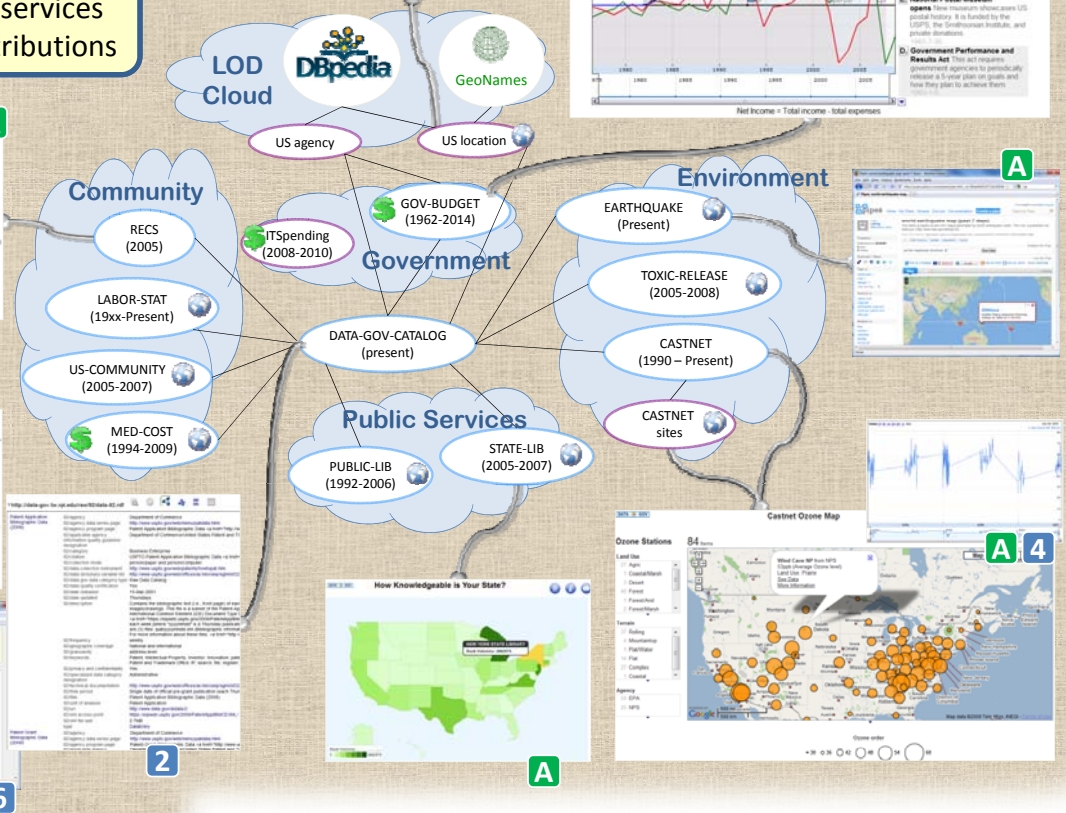
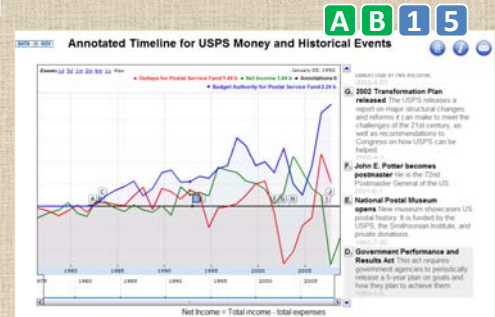
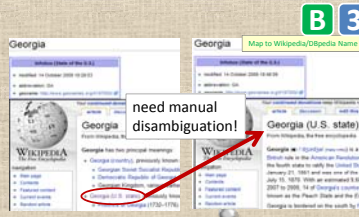
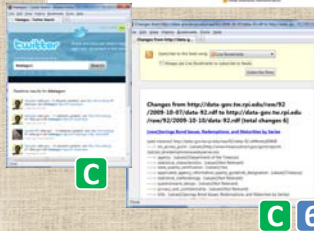
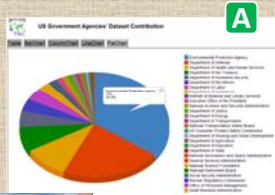
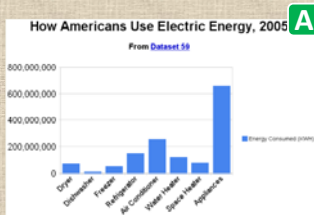
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## About Data-gov Wiki

- semantic web enabled portal for linked government data
- 5 billion triples from data.gov
- hosts apps, demos & services
- integrates users' contributions



## Using Linked Government Data

- A** render SPARQL results by Exhibit, Google Visualization,...
- B** integrate Web users' collectively contributed data
- C** inform Web users changes of dataset via RSS and Twitter

## Linked Data

### Government data in RDF

- ❖ normalize to RDF with dereferenceable URI
- ❖ preserve data as literals with minimal parsing

DATA.GOV  
USA SPENDING GOV

## Linking Government Data

- 1 link similar datasets by reusing property namespace
- 2 link to rdfs:label (via rdfs:subPropertyOf) using semantic wiki
- 3 link to DBpedia (via owl:sameAs) using *wikipedia widget*
- 4 link instances (via common <property, literal-value> pair)
- 5 link government data with web data (via time and location)
- 6 link revisions of government data (via knowledge provenance)

<http://data-gov.tw.rpi.edu>