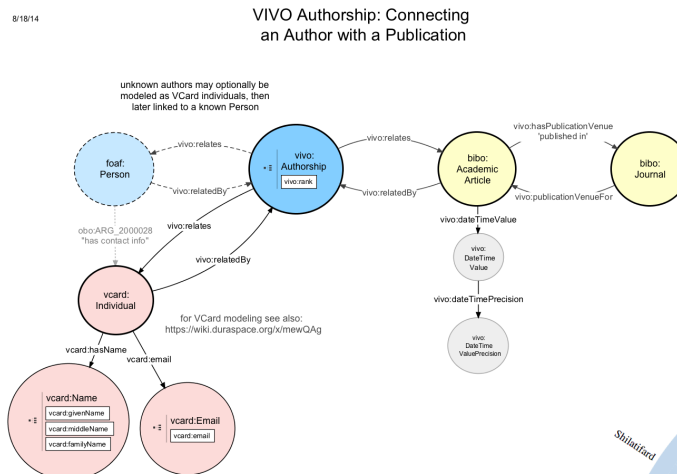


VIVO Around the World

Creating a diagram showing investigator collaborations through publications

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- Our data was modeled following the schemas on the VIVO wiki
- <https://wiki.duraspace.org/display/VIVO/VIVO-ISF+1.6+relationship+diagrams%3A+Authorship>
- A separate application grabs that data via the SPARQL API
- Manipulates that data into a format desired by the d3.js library
- And then serves up pages displaying the coauthor network diagram for the given PI
- A link to that URL is added to the list of data visualizations in VIVO on the profile page of the individual



```
SELECT distinct ?Coauthor ?Coauthor_name ?PI_name
WHERE {
  ?Authorship1 rdf:type vivo:Authorship .
  ?Authorship1 vivo:relates <http://vivo.nu.edu/individual/URI> .
  ?Authorship1 vivo:relates ?Document1 .
  ?Document1 rdf:type bibo:Document .
  ?Document1 vivo:relatedBy ?Authorship2 .
  ?Authorship2 rdf:type vivo:Authorship .
  ?Coauthor rdf:type vivo:FacultyMember .
  ?Coauthor vivo:relatedBy ?Authorship2 .
  ?Coauthor rdfs:label ?Coauthor_name .
  <http://vivo.nu.edu/individual/URI> rdfs:label ?PI_name .
  FILTER (!(?Authorship1=?Authorship2))
}
```

- Co-author Network
- Map of Science
- FSM Faculty Profile
- Chord Diagram
- Wordle
- Publication Types

