

# SI - One Representation Derived from a Graph of Objects

Title (Goal)	As a data user, I want a single representation that is derived from a graph of objects, both properties and content.
Primary Actor	Data user
Scope	
Level	
Author	<a href="#">Daniel Davis</a>
Story (A paragraph or two describing what happens)	Often the data needed comes from more than one place, I should be able to ask the repository for a representation without knowing how the data is stored.

As a data user, I want to want to get a representation from the repository but I don't know how the data is stored (structured). Applications often assemble a package of data but this requires the developer to know the structure of the data and run multiple queries to assemble it. Similar things happen for presentations such as a web page that is assembled from multiple parts. As a data user I am comfortable using URIs to access data but this puts the burden on me when I should just be able to ask for a representation in the same fashion as anything else. Without this feature, should the underlying data be restructured I need to change my code. This is reasonable if I am the only user, but if many users need the same representation we can share one implementation.

- I want a tabular dataset taken from the same time interval from multiple observation records
- I want a collection of cougar images I can use in a slide show taken from a set of camera trap records