Mission Statement and reuse of Scholars@Cornell (VIVO) Developments

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Cornell University Library



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### http://vivoweb.org/

VIVO creates an integrated record of the scholarly work of your organization

**Download VIVO** 

Current version is v1.10.0

https://github.com/vivo-project/

connect

discover

share

VIVO is a member-supported, open source semantic technologies-based software for recording, editing and browsing scholarship data.

### Scholars@Cornell

is an (Cornell-specific) extension to the VIVO application ...



### Mission Statement of Scholars@Cornell

## Introduction to the vision

### Key Features to re-use



### Advance the <u>visibility</u> and <u>accessibility</u> of Cornell scholarship and creative expression Data Aggregation | Data Mapping | Data Deduplication | Linked Data Transformation

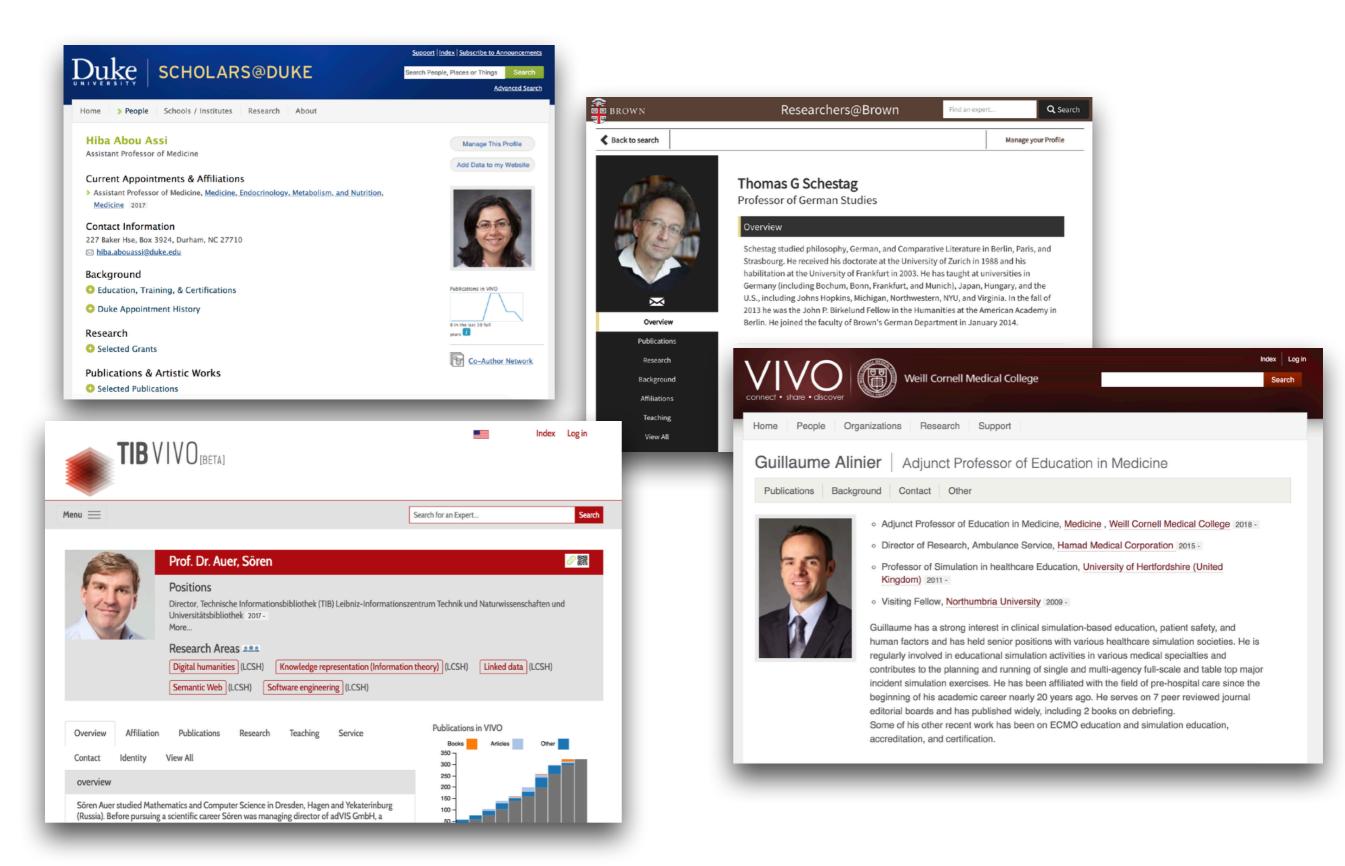
## & Data Analytics Explore the scholarship of Cornell from the perspective of what the scholarly record itself <u>can tell us</u>.



### **Mission Statement** of Scholars@Cornell

## Introduction to an un-finished vision

### VIVO offers customizable Faculty Profiles by default, BUT





### Scholars@Cornell

is not a

### Faculty Profile System

But a

Research Info. Mgmt. System (RIMS)









### Mission Statement of Scholars@Cornell

## **Introduction** to an un-finished vision

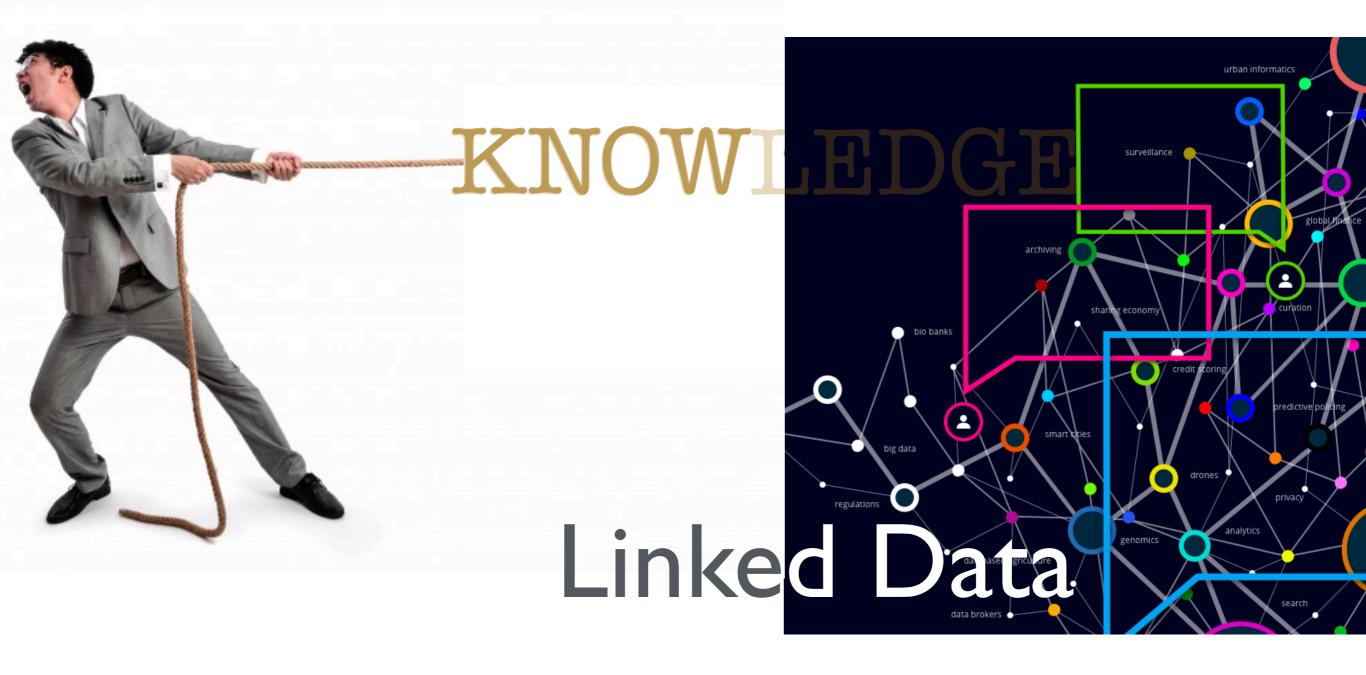
## Key Features to re-use / extend



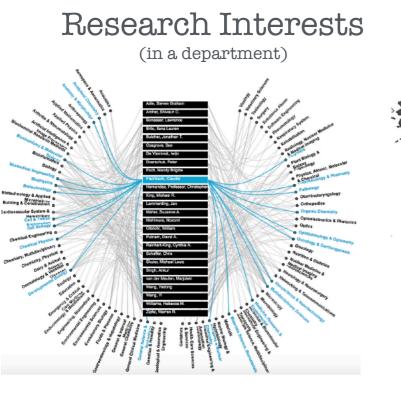
### **Data Analytics & Infographics**

From (LD) Data to Knowledge

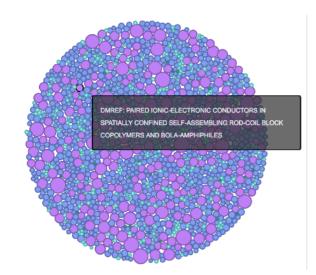
Data is merely a record & VIVO is just a (linked) data warehouse unless we <u>pull</u> the knowledge out of it.



## Knowledge share via infographics



### Grants



### **Global Collaborations**





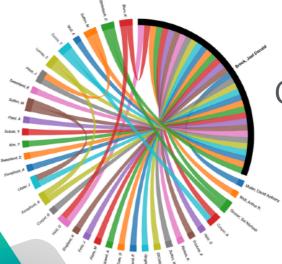
Inter-departmental co-authorships

### Keyword Cloud



# Journals/Proceedings

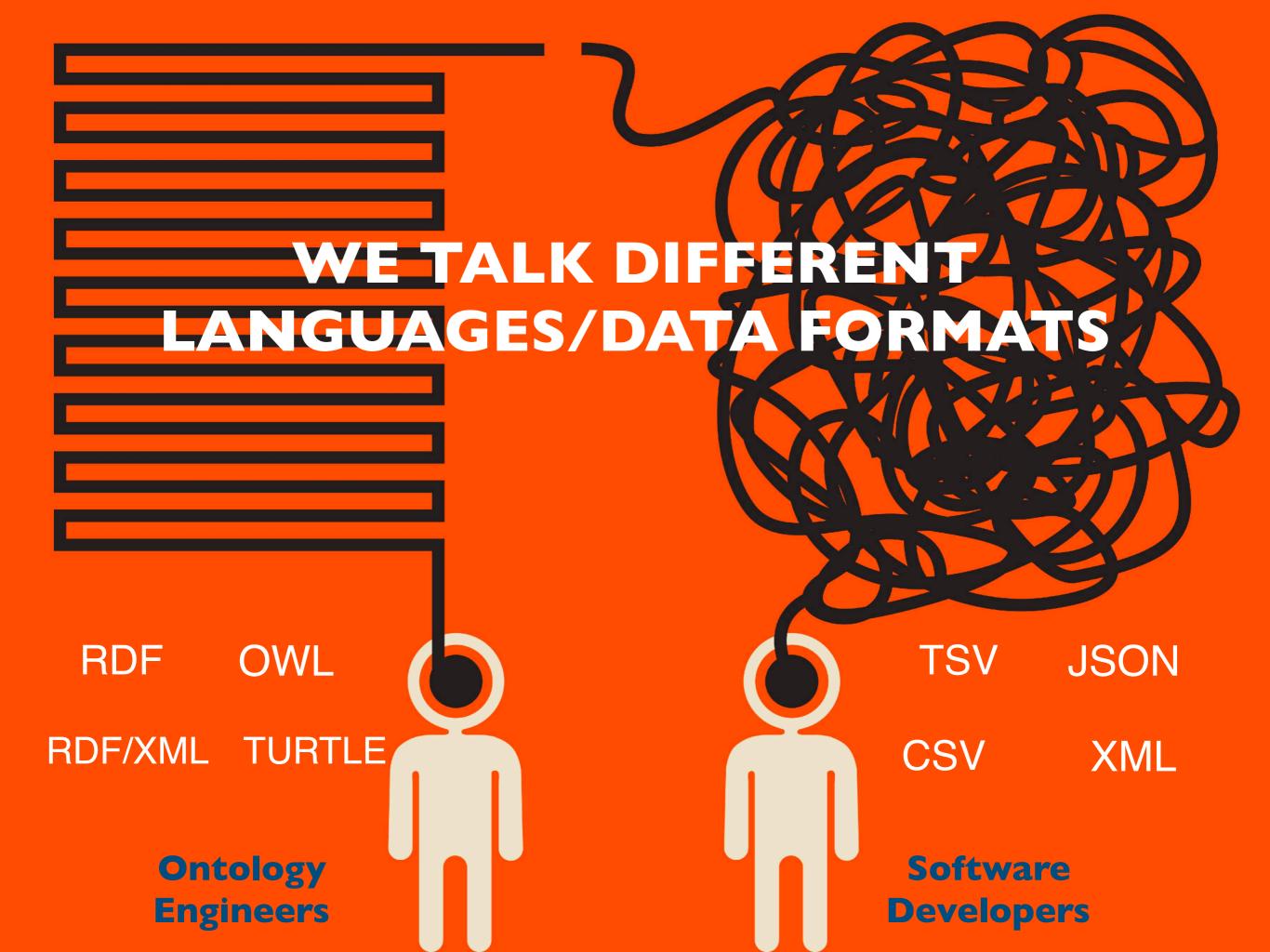
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College of Human Ecology College of Veterinary Medicine Computing and Information Science
Cornell SC Johnson College of Business



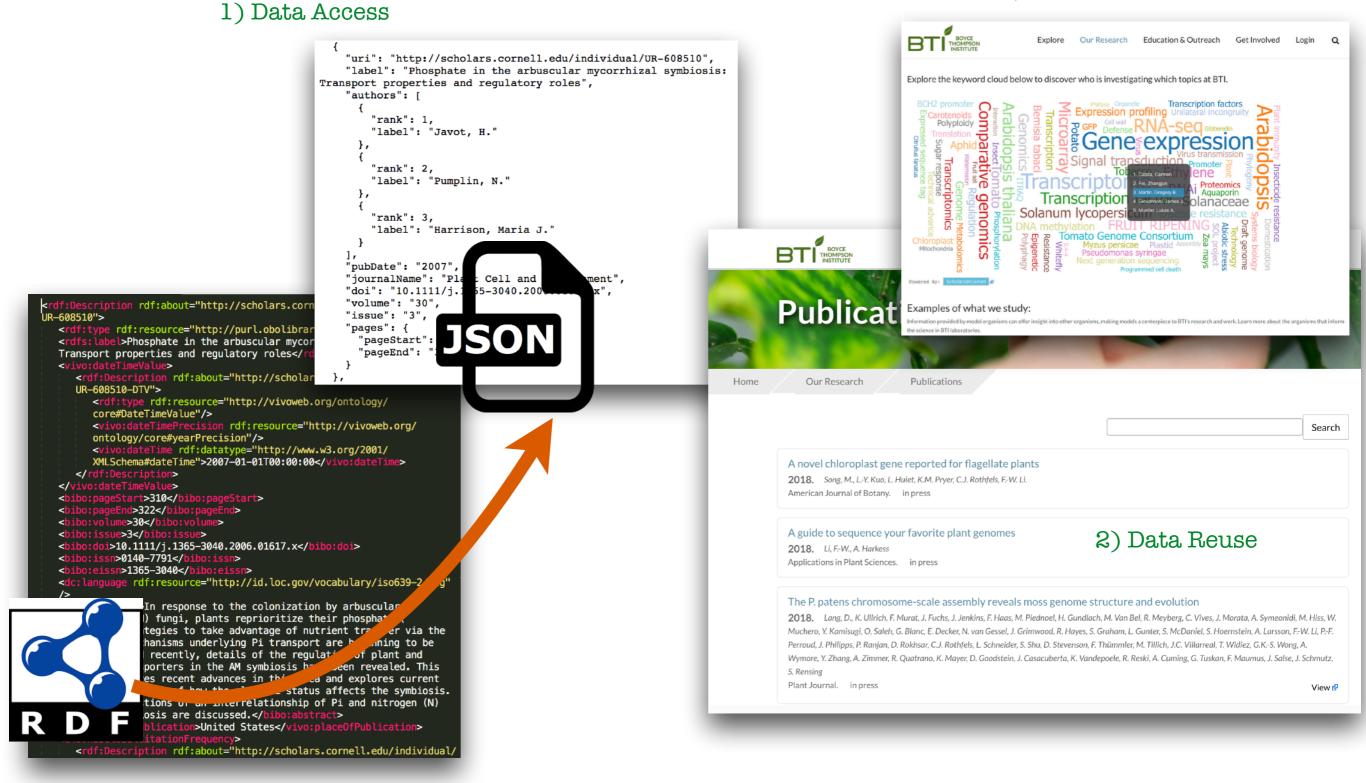
### Co-authorships



### **Data Distribution API**



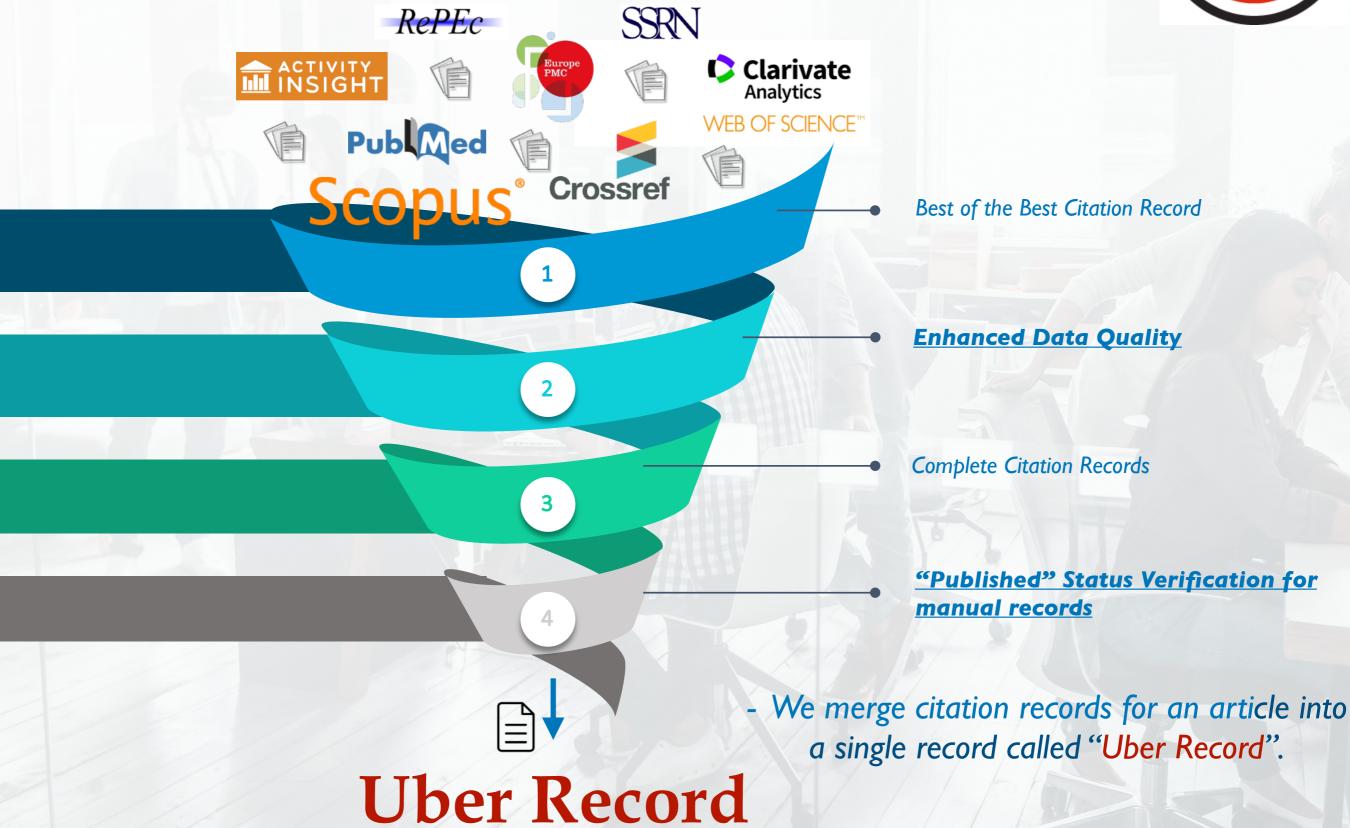
#### 3) Infographics Reuse



RDF to JSON: Data Distribution API for VIVO https://cul-it.github.io/vivo-data-distribution-api/ Data/Viz. Share and Access

# Uberization - Merging Data extracted from different sources





Cornell has subscription of Symplectic Elements to aggregate Publication data. We (small organizations) do not afford (Elements) subscription cost. What about us?



### VIVO Conference 2017 - An Attendee

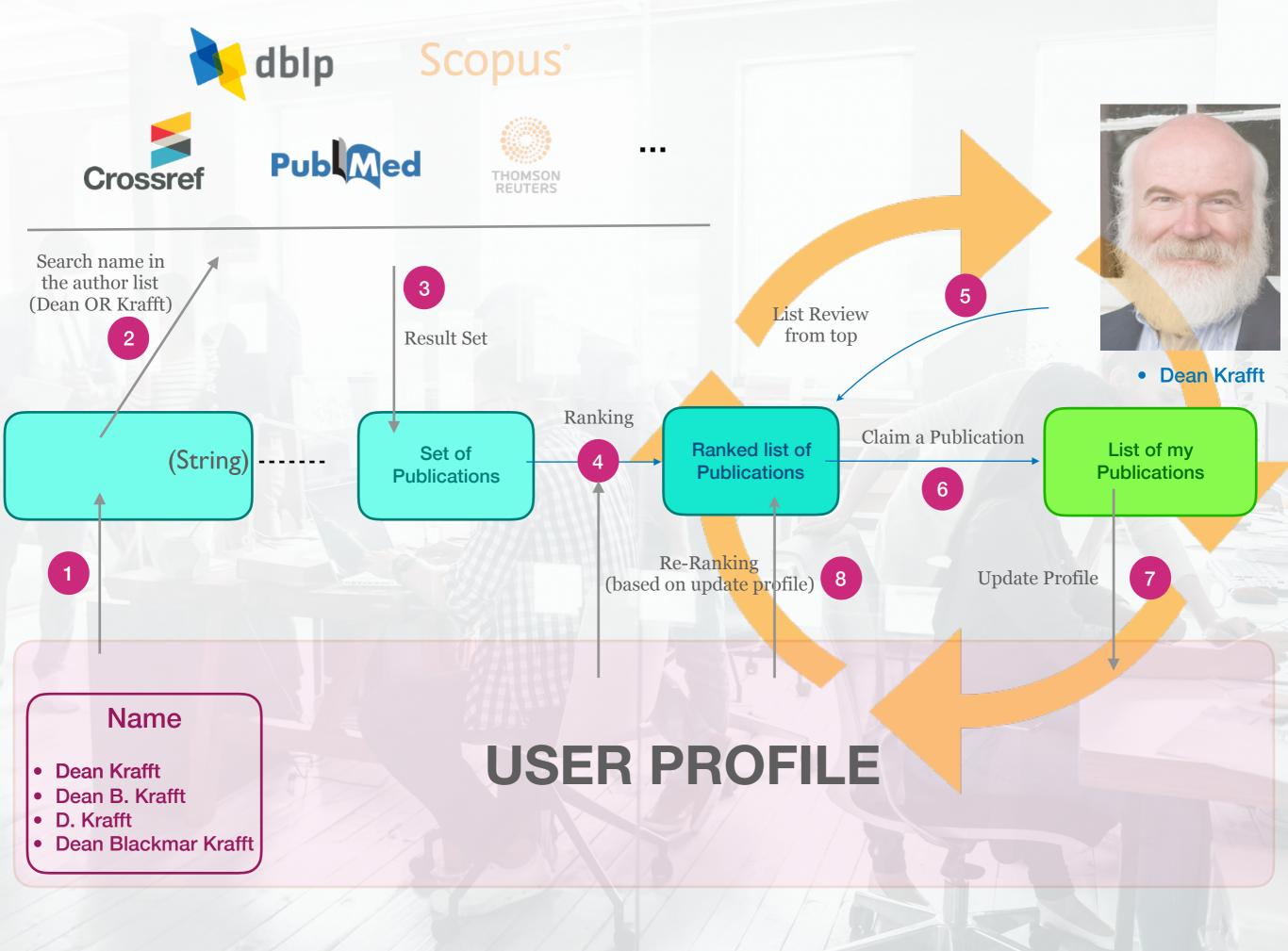


## OpenHarvester

A java prototype that processes the result set of pre-downloaded data (from a data source) and allows one to claim his/her publications from a ranked list.







### **Desktop Application**

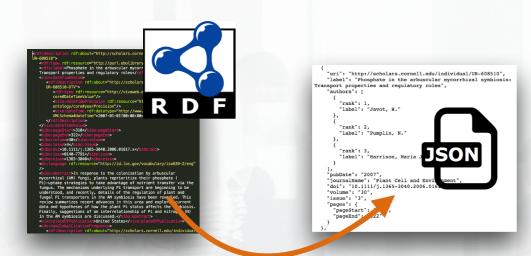
# Currently it supports to search publications in CrossRef, PubMed and DBLP

			OpenHarvester		
	Home 🔍 Search Da	tabases 🕹 Claim Publicatio	ns		
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	Sandy	Payette	Hopper and Dijkstra: Crisis, Revolution, and the Future of Programming		Â
	Sandy		An Interoperable Fabric for Scholarly Value Chains		
			Pathways: augmenting interoperability across scholarly repositories The policy knot doi=10.1007/s00799-007-0016-7,		
			The policy knot title=Pathways: augmenting interoperability across scholarly Towards Sustainable authors=Simeon Warner, Jeroen Bekaert, Carl Lagoze, Xiao		Herbert Van de Warner.
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## "VIVO 2 ORCID" Data Push

## Where does the code exist?



Data Distribution API https://cul-it.github.io/vivo-data-distribution-api/index.html

### **OpenHarvester**

A java prototype that processes the result set of pre-downloaded data (from a database) and allows one to claim his/her publications from a ranked list.



Visualization and Scholars@Cornell Core Code

https://github.com/cul-it/scholars

phogenesis

### In summary...

- I. Scholars@Cornell A Research Information Mgmt. Sys. (RIMS)
- 2. Knowledge Share via Infographics
- 3. Data Share in a format that is understandable by the consumer.
- 4. Uberization A mechanism to merge scholarship data from different sources
- 5. OpenHarvester Open source desktop application to find publications for a faculty in open source databases. (under progress)



### The Team



### Amit Mizrahi



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