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

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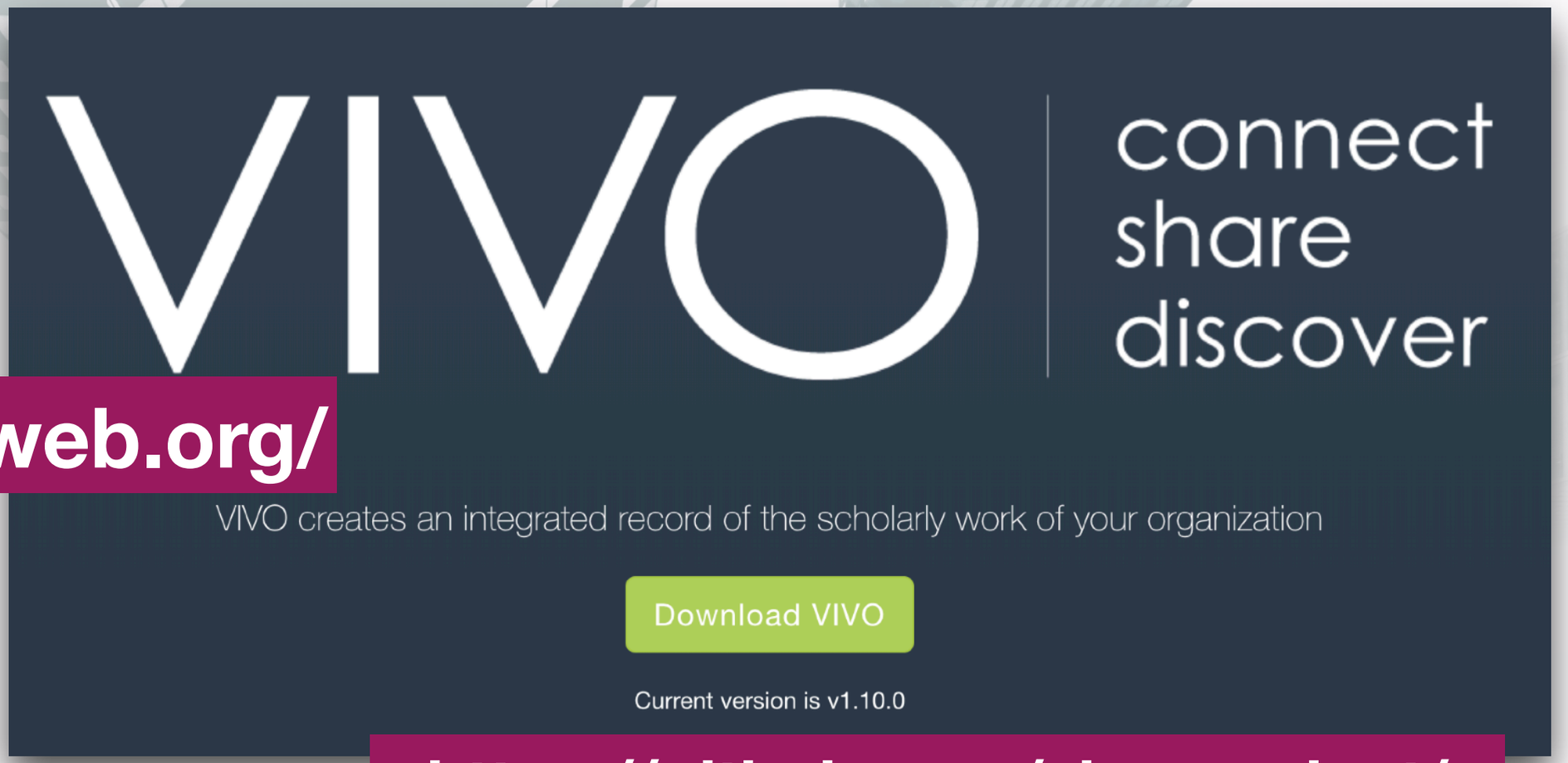
Cornell University Library

@mjaved495

March 28th, 2019 *DEFF Open Research Analytics Workshop, DTU, Denmark*



http://vivoweb.org/

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

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 …

AGENDA

Mission Statement
of Scholars@Cornell

Introduction
to the vision

Key Features
to re-use

MISSION

VISION

VALUES

Mission Statement

CORNELL UNIVERSITY LIBRARY

SCHOLARS@CORNELL

Research and scholarship across the university

Advance the visibility and accessibility 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 can tell us.

AGENDA

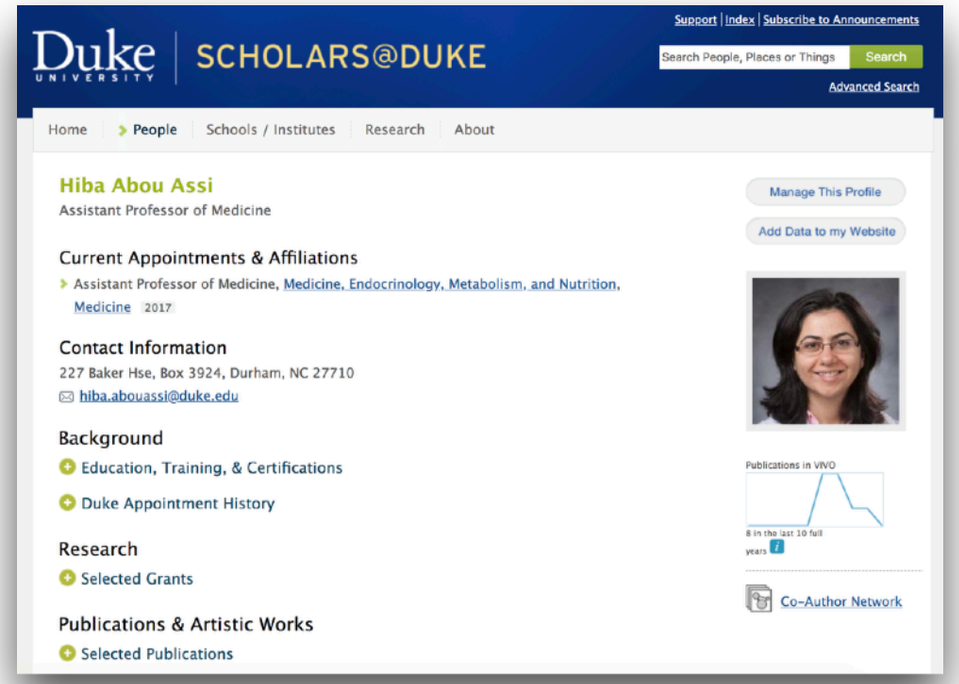
Mission Statement
of Scholars@Cornell

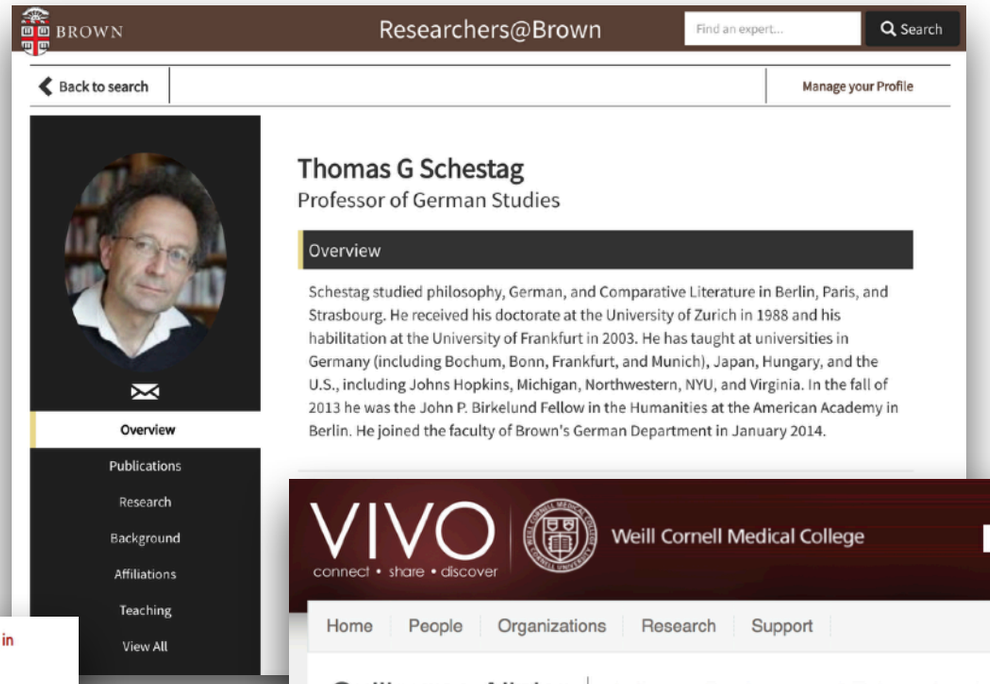
Introduction
to an un-finished vision

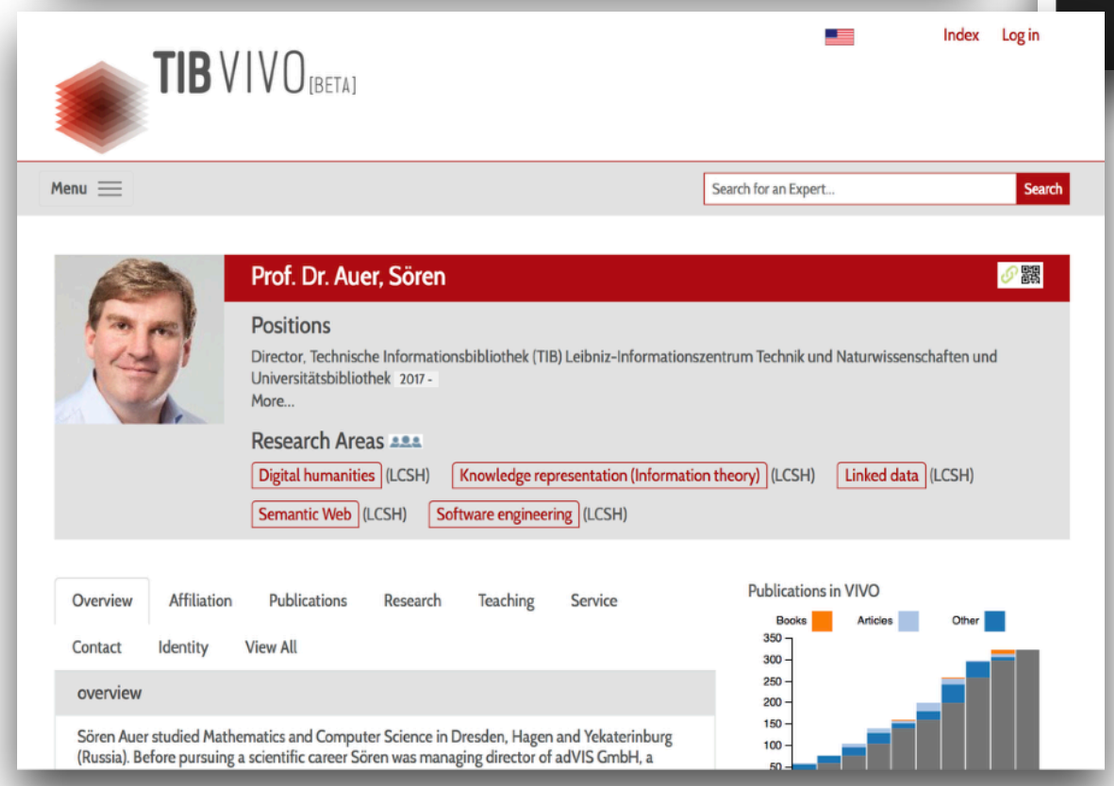
Key Features
to re-use

VIVO offers customizable Faculty Profiles by default,

BUT







Scholars@Cornell

is not a

Faculty Profile System

But a

Research Info. Mgmt. System (RIMS)

We were not interested in

(Stand-alone) Faculty Profiles

Rachit Agarwal

Assistant Professor
Computer Science

Chekesha Watson

Professor
Art & Language Studies

Sandra Babcock

Professor of Law
Law School

Steven Graham

Assistant Professor
Meinig School of Biomedical Engineering

Jie Shaun

Professor
Veterinary Sciences

Linked Open (Scholarship) Data

AGENDA

Mission Statement
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Introduction
to an un-finished vision

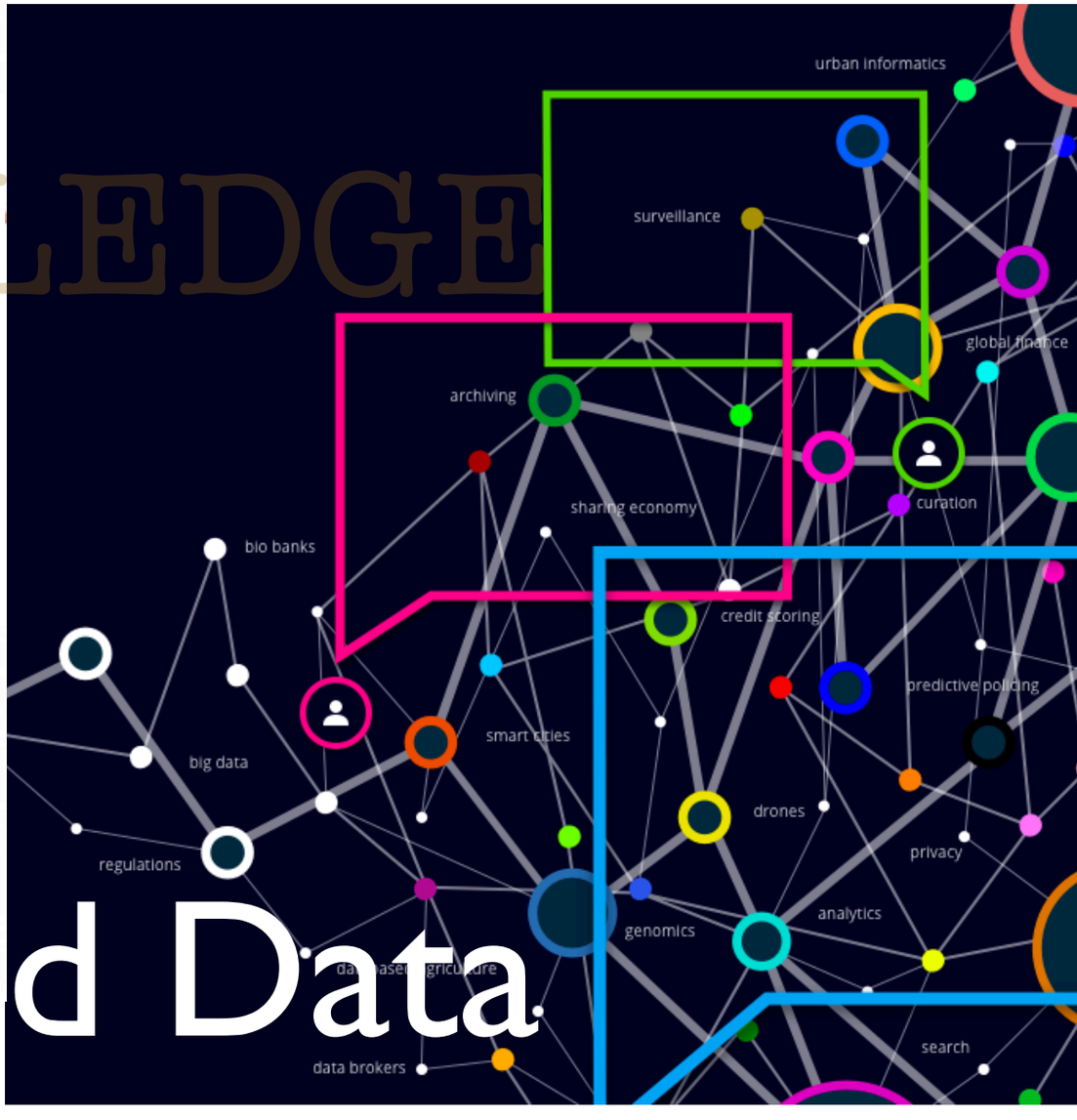
Key Features
to re-use / extend

Data Analytics & Infographics

From (LD) Data to Knowledge

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

KNOWLEDGE

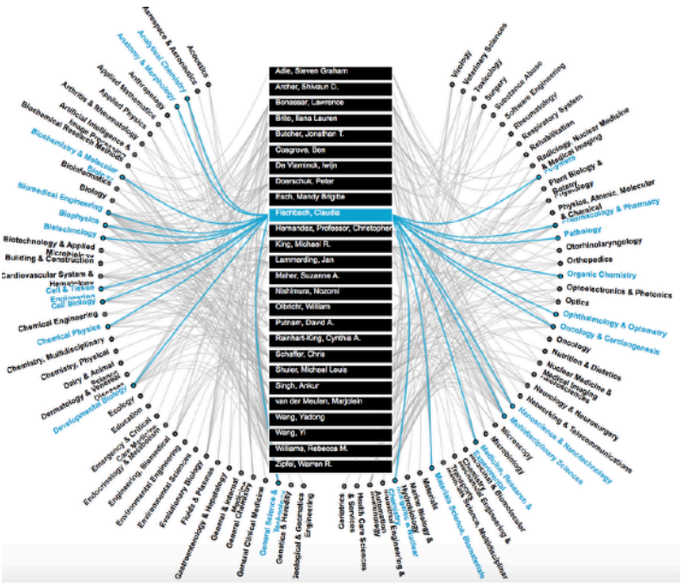


Linked Data

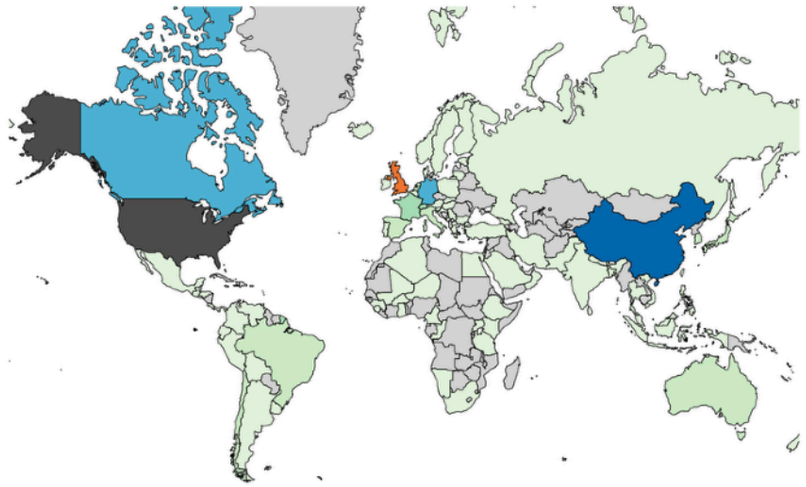
Knowledge Share via Infographics

Research Interests

(in a department)

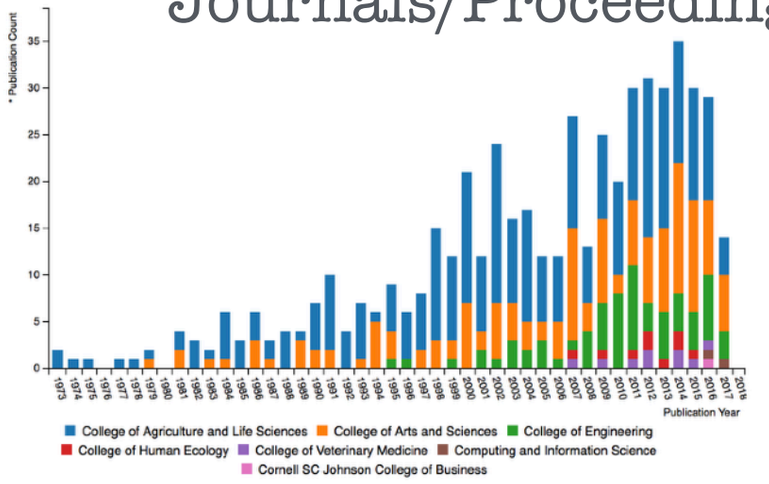


Global Collaborations

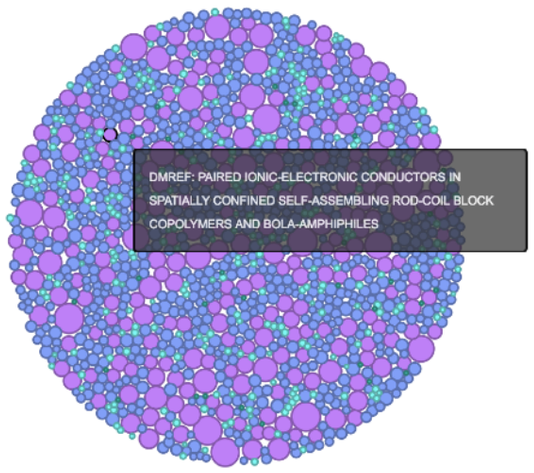


Keyword Cloud

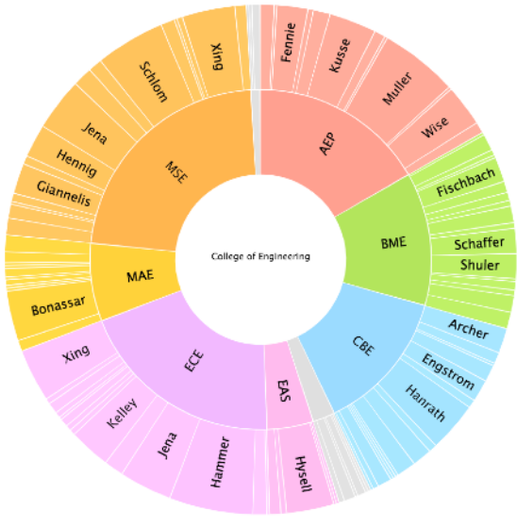
Journals/Proceedings



Grants



Inter-departmental co-authorships



Co-authorships

Data Distribution API

WE TALK DIFFERENT LANGUAGES/DATA FORMATS

RDF OWL

RDF/XML TURTLE

Ontology Engineers

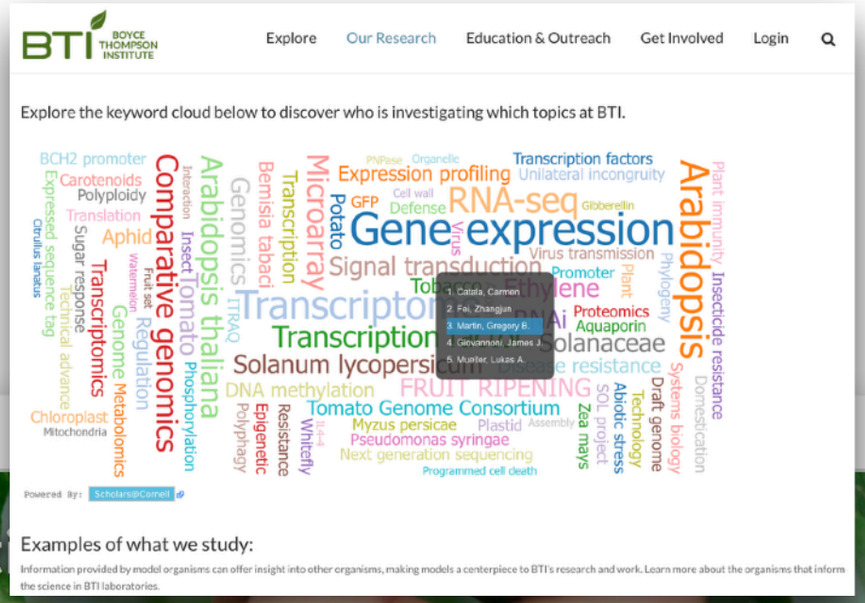
TSV JSON

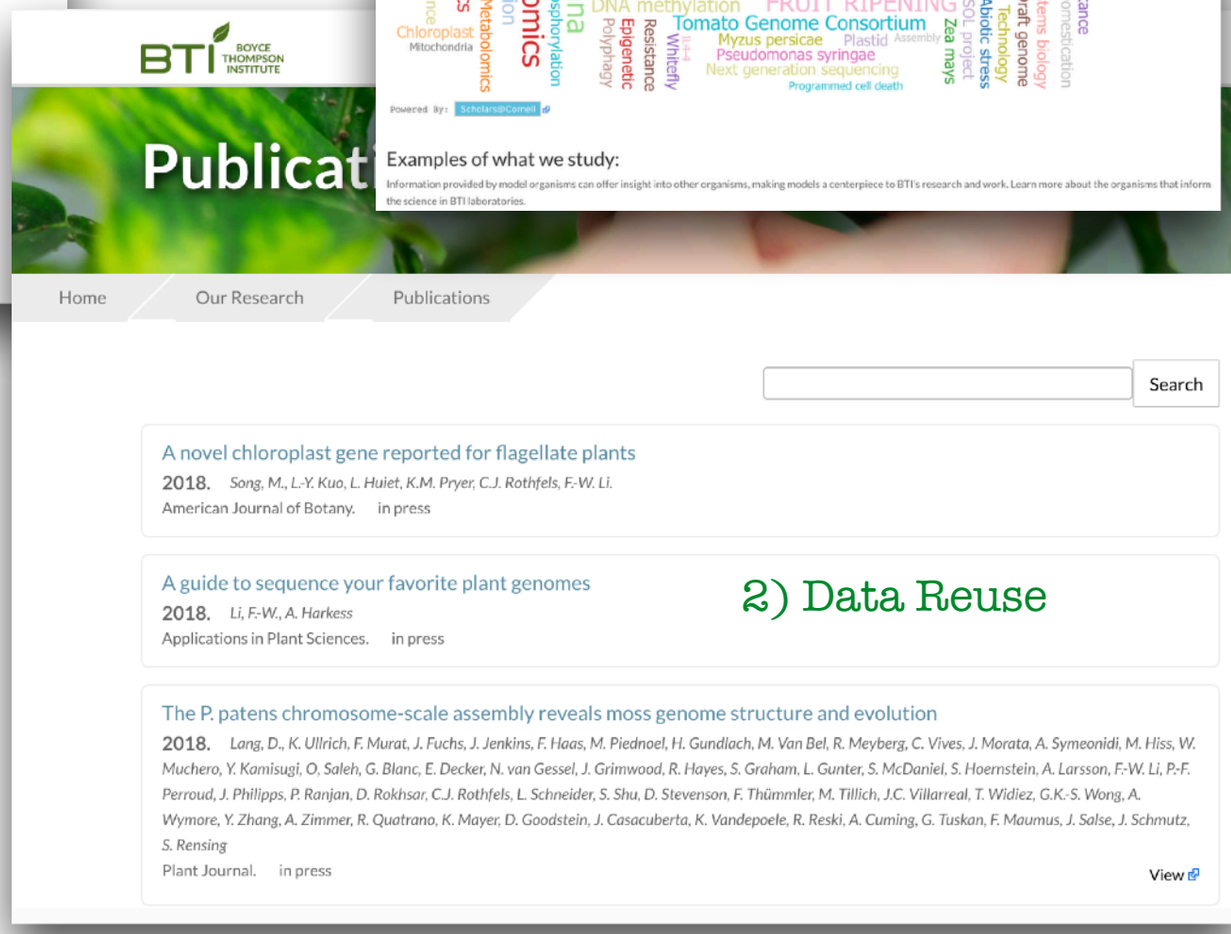
CSV XML

Software Developers

1) Data Access

3) Infographics Reuse





2) Data Reuse

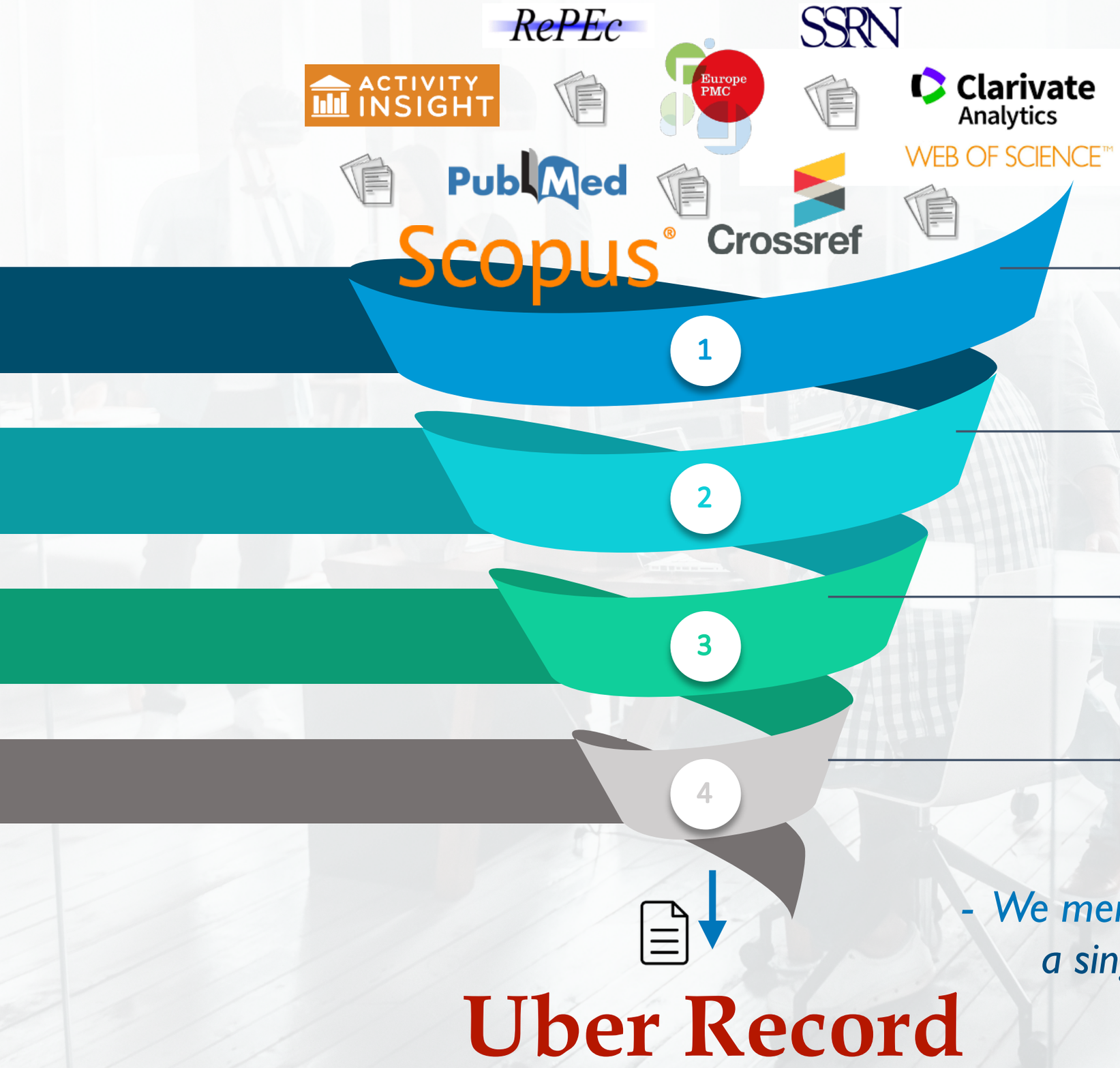
RDF to JSON: Data Distribution API for VIVO

https://cul-it.github.io/vivo-data-distribution-api/

Data/Viz. Share and Access

Uberization - Merging Data extracted from different sources

#3



Best of the Best Citation Record

Enhanced Data Quality

Complete Citation Records

"Published" Status Verification for manual records

- We merge citation records for an article into a single record called "Uber Record".

Uber Record

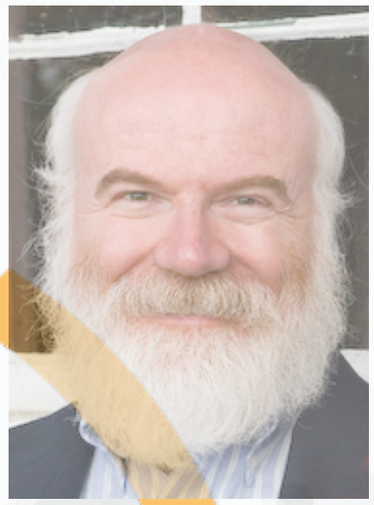
VIVO Conference 2017 - An Attendee

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.

dblp Scopus

Crossref PubMed THOMSON REUTERS ...



- Dean Krafft

Search name in the author list (Dean OR Krafft)

2

3

Result Set

List Review from top

5

(String) ------- Set of Publications

Ranking

4

Ranked list of Publications

Claim a Publication

6

List of my Publications

1

Re-Ranking (based on update profile)

8

Update Profile

7

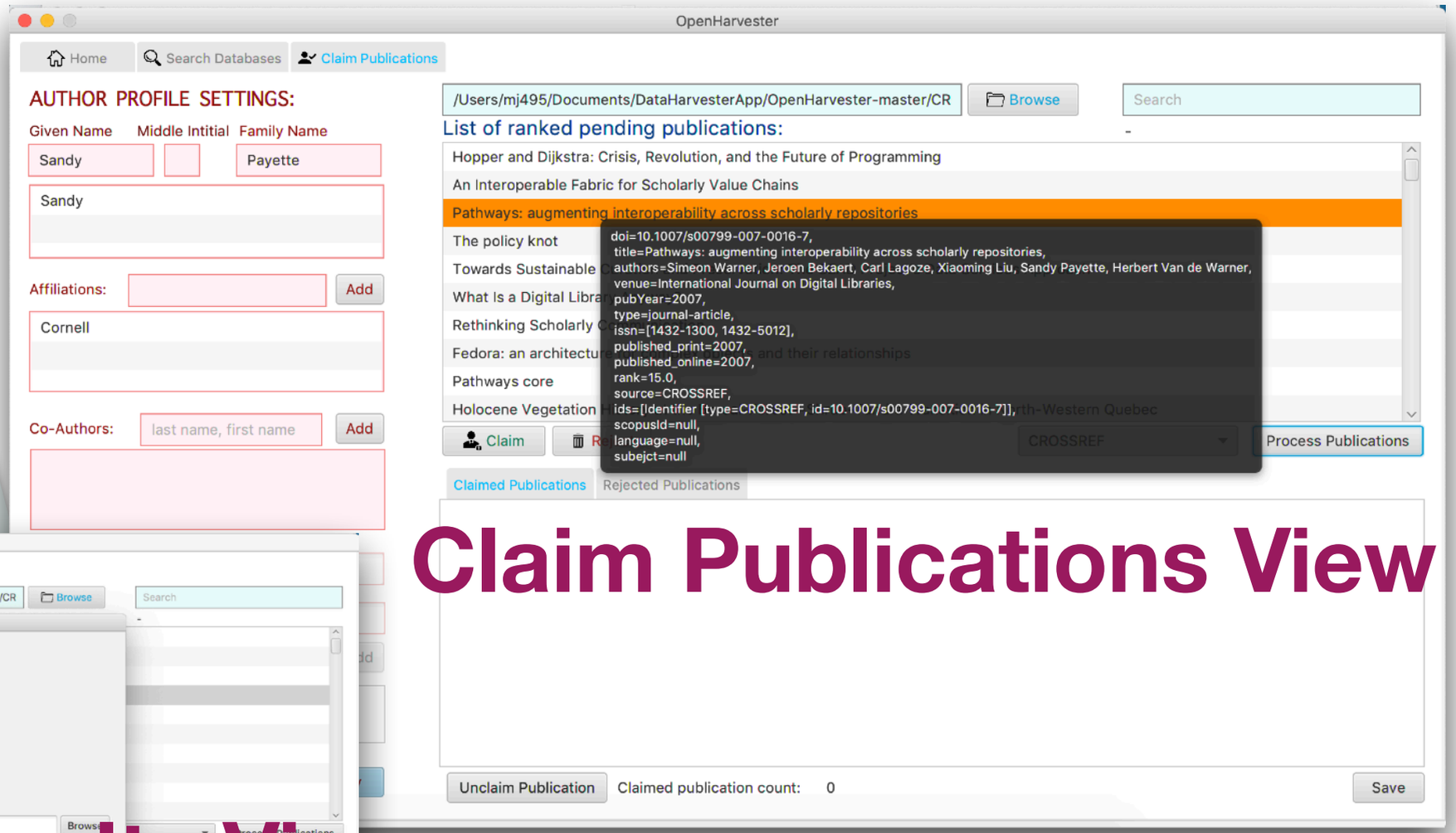
USER PROFILE

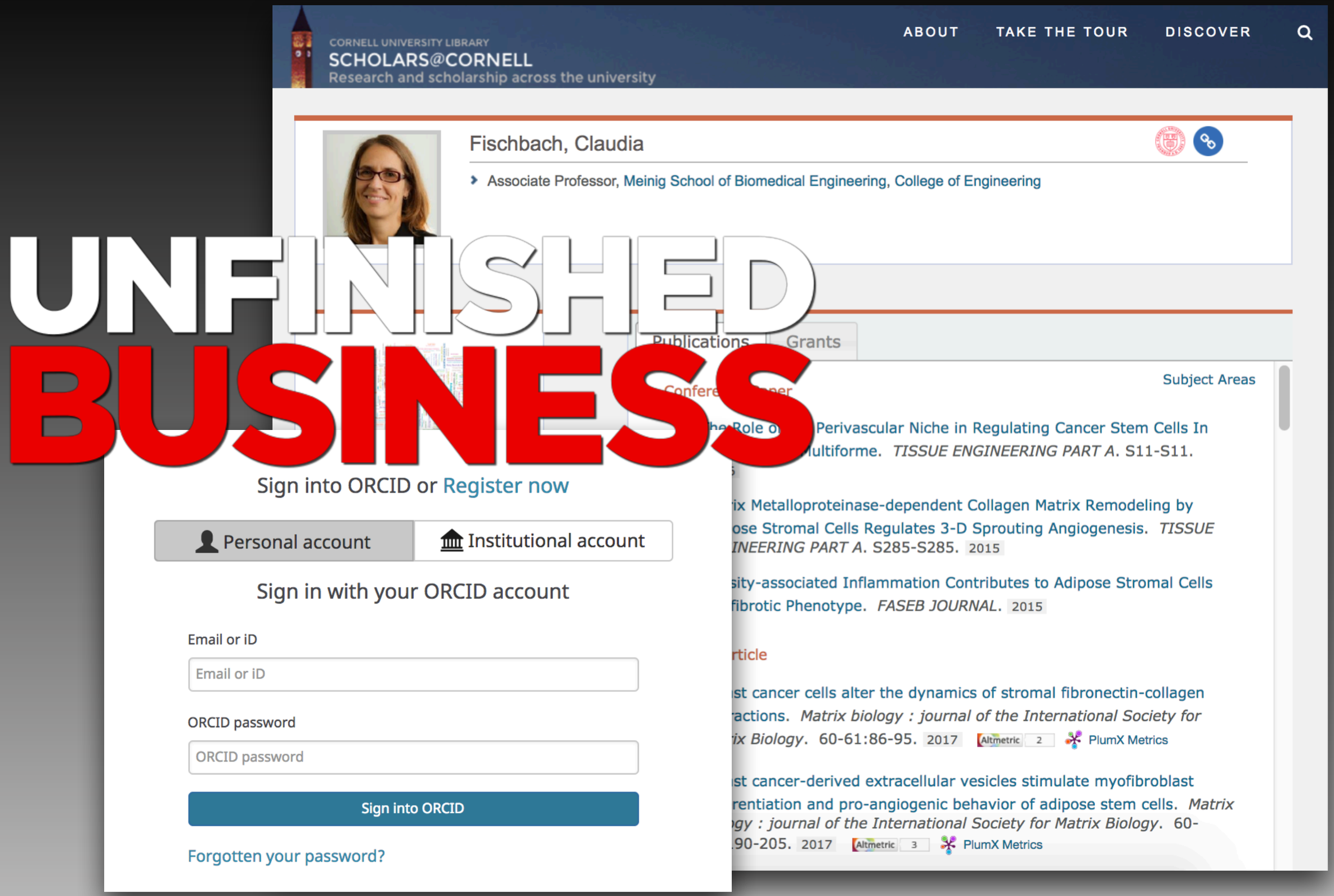
Name

- Dean Krafft
- Dean B. Krafft
- D. Krafft
- Dean Blackmar Krafft

Desktop Application

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

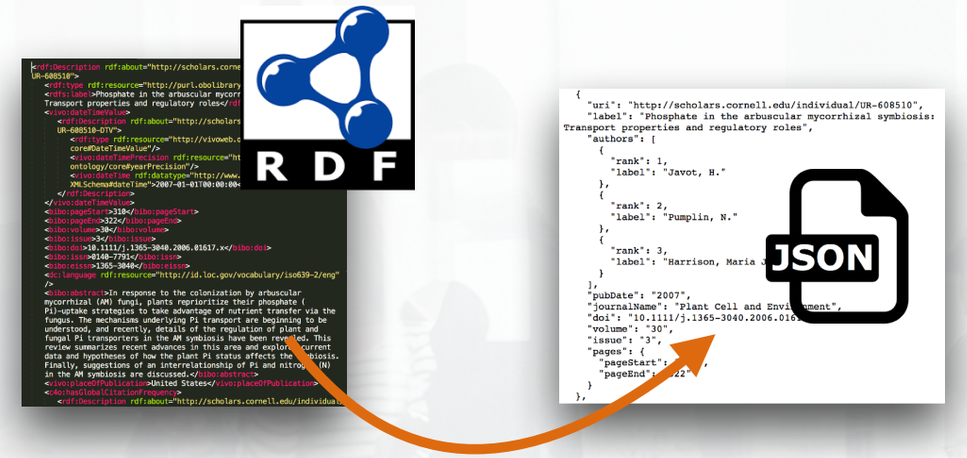




UNFINISHED BUSINESS

"VIVO 2 ORCID" Data Push

Where does the code exist ?



Data Distribution API

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

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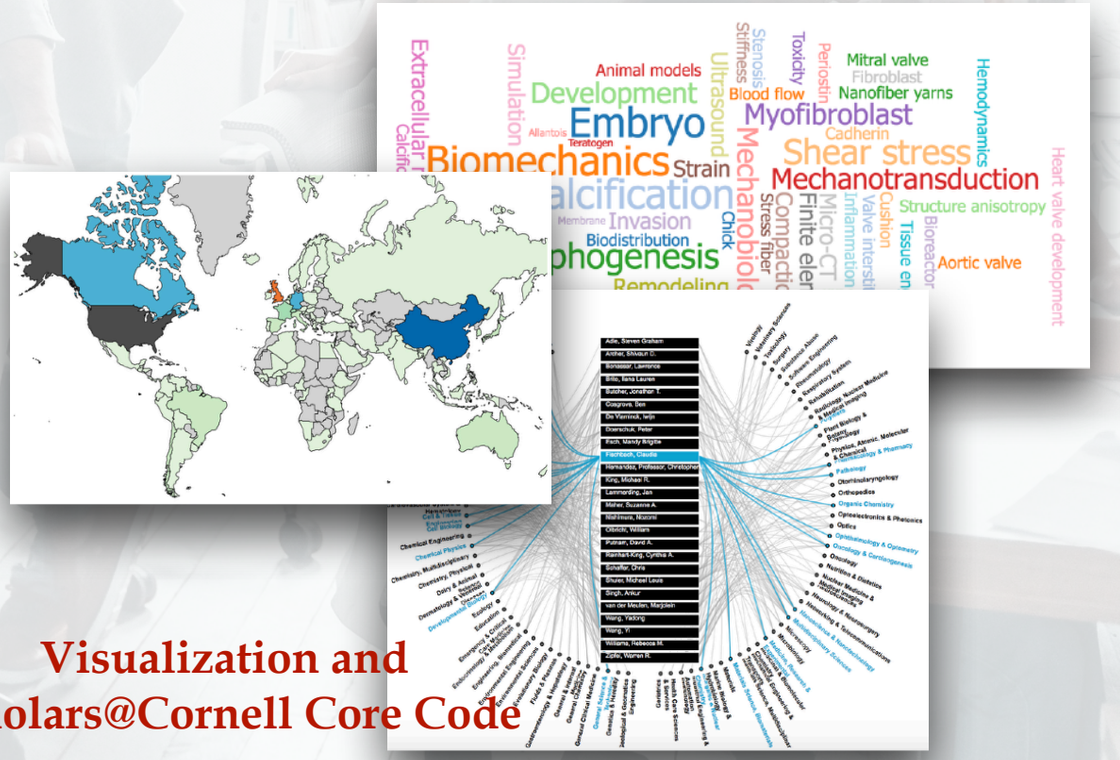
A java prototype that processes the result set of pre-downloaded data (from a database) and allows one to claim his/her publications from a ranked list.

https://github.com/mjaved495/OpenHarvester



Visualization and
Scholars@Cornell Core Code

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

In summary…

1. *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

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