Elements and Sources of Truth

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History

• HSL originally involved with an institutional collaboration discovery project.
• Since then maintained Elements and partnered to sustain use of the tool.

Motivation

Inspired by...

Research Assessment and Communications Department
Data is the new oil?

“Data is just like crude. It’s valuable, but if unrefined it cannot really be used.”
- Michael Palmer

We built Symplectic Elements as a source of refined data.

Why do we do it?

We can build a data model that pivots around scholarly output.

We envision a world where every incoming biomedical faculty member consults with a librarian.
Data Model

**Inputs** (Behind the Firewall)
- Symplectic Elements
  - Faculty
  - Publications
  - Grants
  - Potential Teaching
  - Potential Professional Activities

**Outputs/Products** (May or may not be behind the Firewall)
- Seed funding collaboration website
- UVA Faculty directory
- School faculty directory
- Business Intelligence tools (Salesforce)
- School internal/external tool (Headless Drupal)
- HSL
  - P&T
  - Publication Impact Service
HR Feed – Remember we started in the 1990s

**Faculty Data**
- Emeritus, Post Docs, etc had to be refined
- No ‘leave date’
- Departmental name changes
- Results varied as we included schools
- Two years ago migrated to a new HR system

**Sources of Truth**
- Fix the data in the HR system, NOT Elements or the downstream systems
- Create once, use often
- Example: Faculty member’s rank was incorrect in the feed. Fixing the feed automatically updated 3 downstream systems.
Publication Feed

**Faculty Publications**
- Step 1: Stalk faculty on the interweb to find out where they have worked and studied
- Step 2: Claim publications from previous and current jobs
- Step 3: Add ‘Virginia’ filter
- Step 4: Grab Orcid if applicable
- This get’s us to 80 – 90% accuracy moving forward

**Advantages**
- We really know our faculty
- We establish relationships with the superadmins who support the faculty and create trust relationships
- Over 80,000 SOM/SON publications claimed
Grants Feed

Office of Sponsored Programs (ResearchUVA)
- Funding source, title, faculty member

Dimensions
- Funding source, title, faculty member
- Abstract when available
Outcomes

We curate and maintain a list of 6,000 current and former faculty.

Claimed 125,000 publications, 80,000 from the Health System. HSL demonstrate deep value to our health system.

Connects with partners in the SOM, SON, Vice President of Research, UVA VP of IT, Centers, Institutes, clinical departments, individual faculty.

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