

VIVO + SHARE:

an Institutional Perspective

Andi Ogier
Associate Director
Data Services
University Libraries
Virginia Tech



1. Full Disclosure

2. What are VIVO and SHARE?

3. The Environment at VT

4. The Impact and Advantages of VIVO + SHARE on the Institution

5. Potential Futures of VIVO + SHARE

arrows
and
diagrams

lots o'
text

Full Disclosure: Who am I?



Andi Ogier Associate Director Data Services



- Leads Data Services Unit
- Coordinates VIVO at VT
- Serves on VIVO Steering Group
- Serves on 2016 VIVO Conference Task Force

Full Disclosure: Yes, it works!

Data
harvested
from



Towards Use And Reuse Driven Big Data Management | [Academic Article](#)

Overview

abstract

We propose a use and reuse driven big data management approach that fuses the data repository and data processing capabilities in a co-located, public cloud. It answers to the urgent data management needs from the growing number of researchers who don't fit in the big science/small science dichotomy. This approach will allow researchers to more easily use, manage, and collaborate around big data sets, as well as give librarians the opportunity to work alongside the researchers to preserve and curate data while it is still fresh and being actively used. This also provides the technological foundation to foster a sharing culture more aligned with the open source software development paradigm than the lone-wolf, gift-exchanging small science sharing or the top-down, highly structured big science sharing. To materialize this vision, we provide a system architecture consisting of a scalable digital repository system coupled with the co-located cloud storage and cloud computing, as well as a job scheduler and a deployment management system. Motivated by Virginia Tech's Goodwin Hall instrumentation project, we implemented and evaluated a prototype. The results show not only sufficient capacities for this particular case, but also near perfect linear storage and data processing scalabilities under moderately high workload.

authors

[Chen, Yinlin](#)

[Kasarda, Mary](#)

[Speer, Julie](#)

[Tarazaga, Pablo](#)

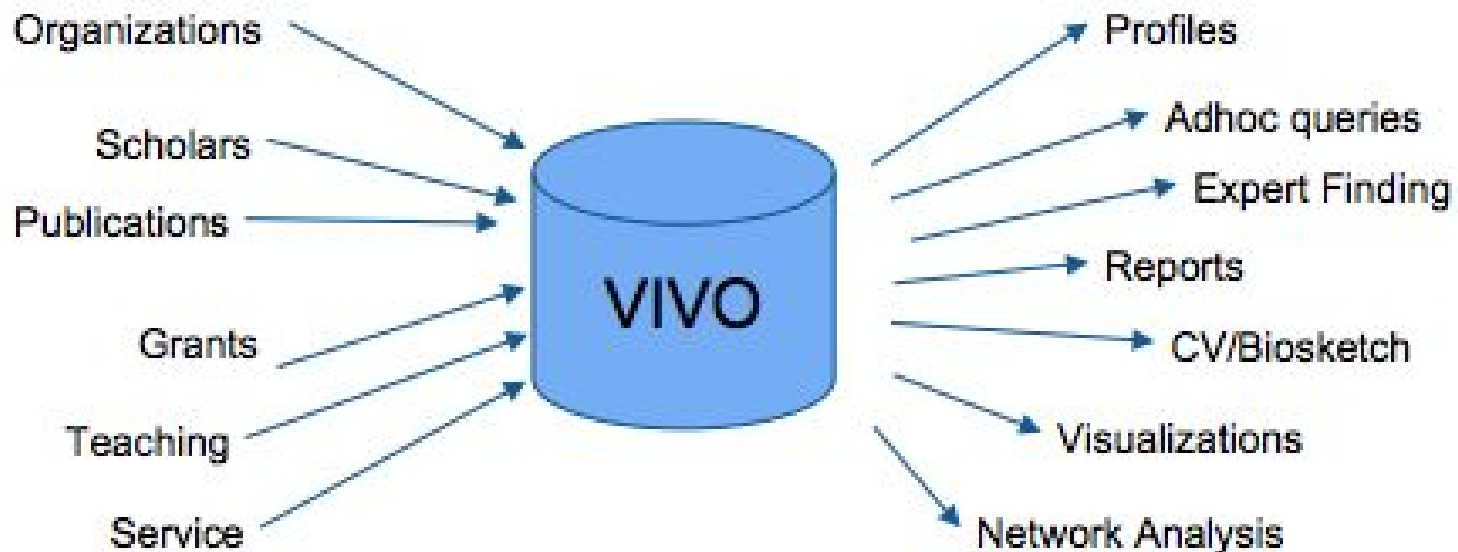
[Walters, Tyler](#)

[... more](#)

1. Full Disclosure
- 2. What are VIVO and SHARE?**
3. The Environment at VT
4. The Impact and Advantages of VIVO + SHARE on the Institution
5. Potential Futures of VIVO + SHARE

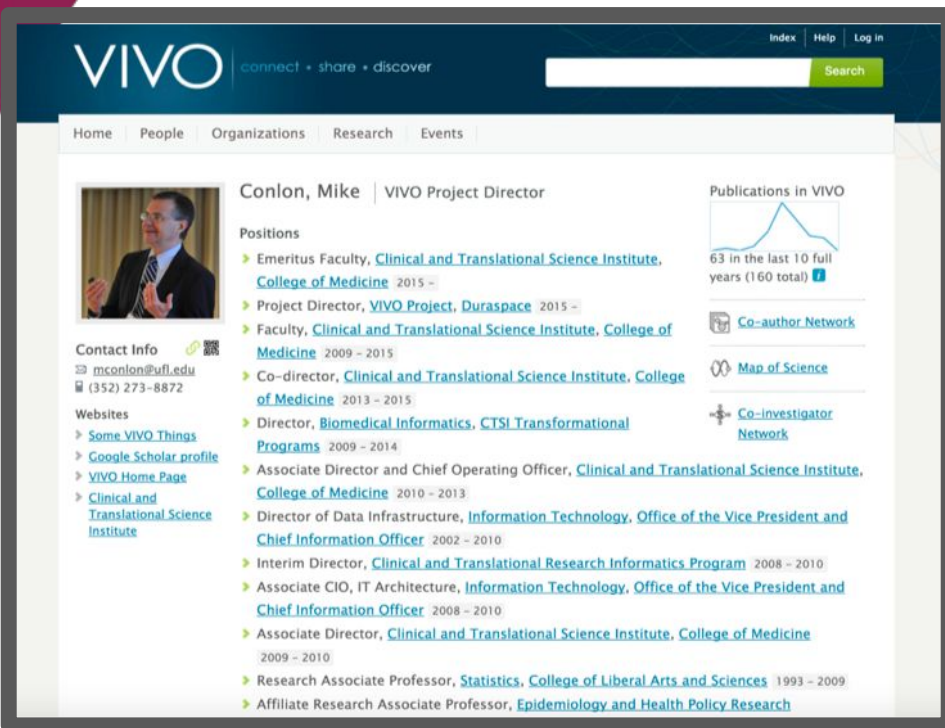
What is VIVO?

VIVO creates an integrated record representing the scholarly work of an institution.



What is VIVO?

VIVO creates an integrated record representing the scholarly work of an institution.

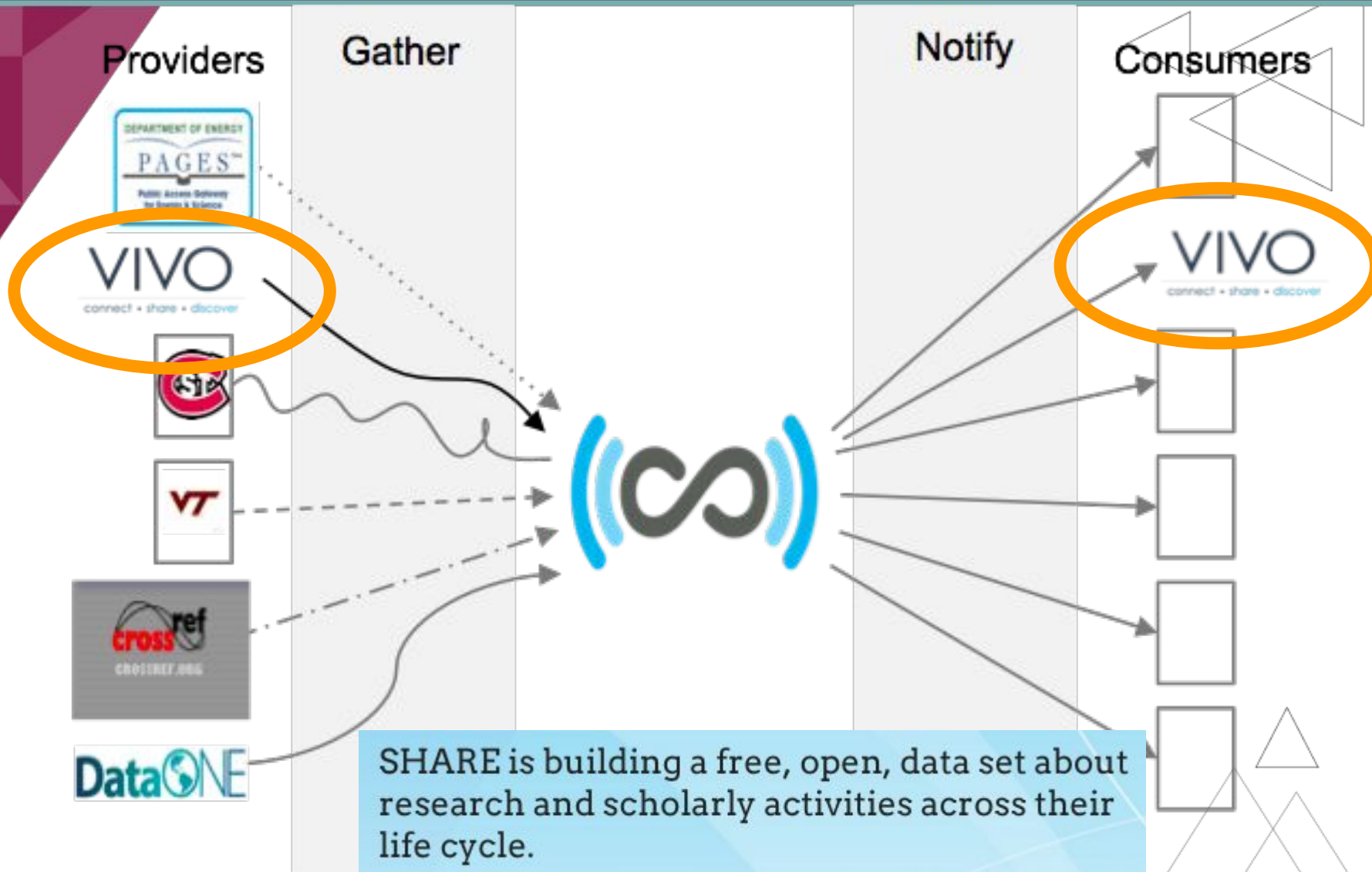


The screenshot shows a VIVO profile for Mike Conlon, VIVO Project Director. The page includes a header with the VIVO logo and navigation links. The main content area features a profile picture, contact information (mconlon@ufl.edu), and a list of positions held at various institutions like the Clinical and Translational Science Institute and the College of Medicine. A 'Publications in VIVO' section shows a line graph indicating 63 publications in the last 10 full years (160 total). There are also links for 'Co-author Network' and 'Map of Science'.



The screenshot shows a VIVO profile for Dr. Tyler Walters, Dean of University Libraries, Library Virginia Tech. The page features a header with the Virginia Tech logo and the VIVO logo. The main content area includes a profile picture, contact information (tyler.walters@vt.edu), and a description of his role. A 'Publications in VIVO' section shows a line graph indicating 2 publications in the last 10 full years (10 total). There are also links for 'Co-author Network' and 'Map of Science'. The 'selected publications' section lists several academic articles, including 'Economics, sustainability, and the cooperative model in digital preservation' and 'Reinventing the Library How Repositories Are Causing Librarians to Rethink Their Professional Roles'.

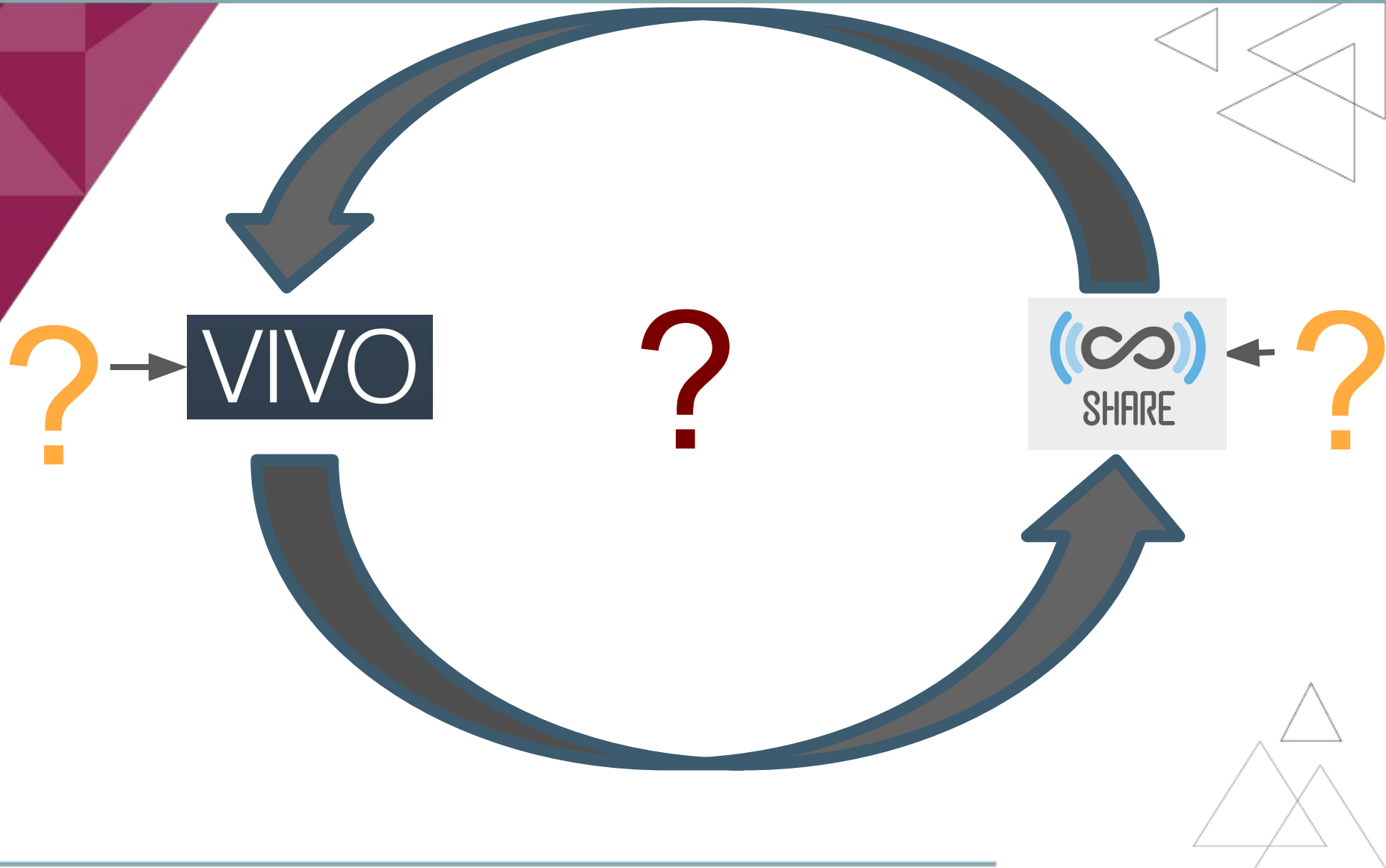
What is SHARE?



What is VIVO+SHARE+VIVO(+SHARE)?



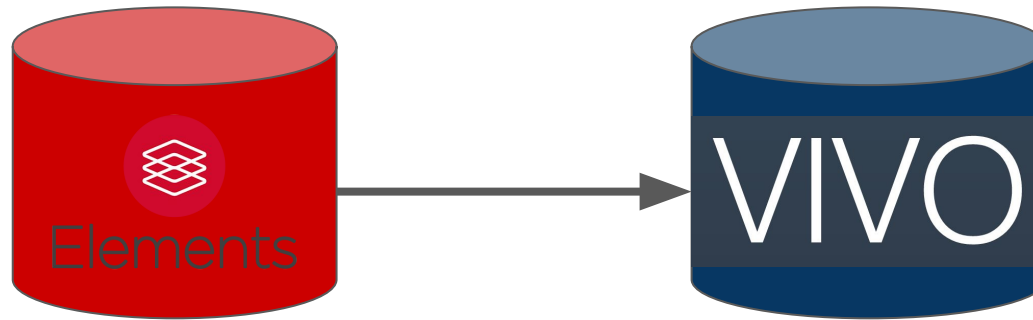
What is VIVO+SHARE+VIVO(+SHARE)?



a Roadmap

1. Full Disclosure
2. What are VIVO and SHARE?
- 3. The Environment at VT**
4. The Impact and Advantages of VIVO + SHARE on the Institution
5. Potential Futures of VIVO + SHARE

current environment @ VT



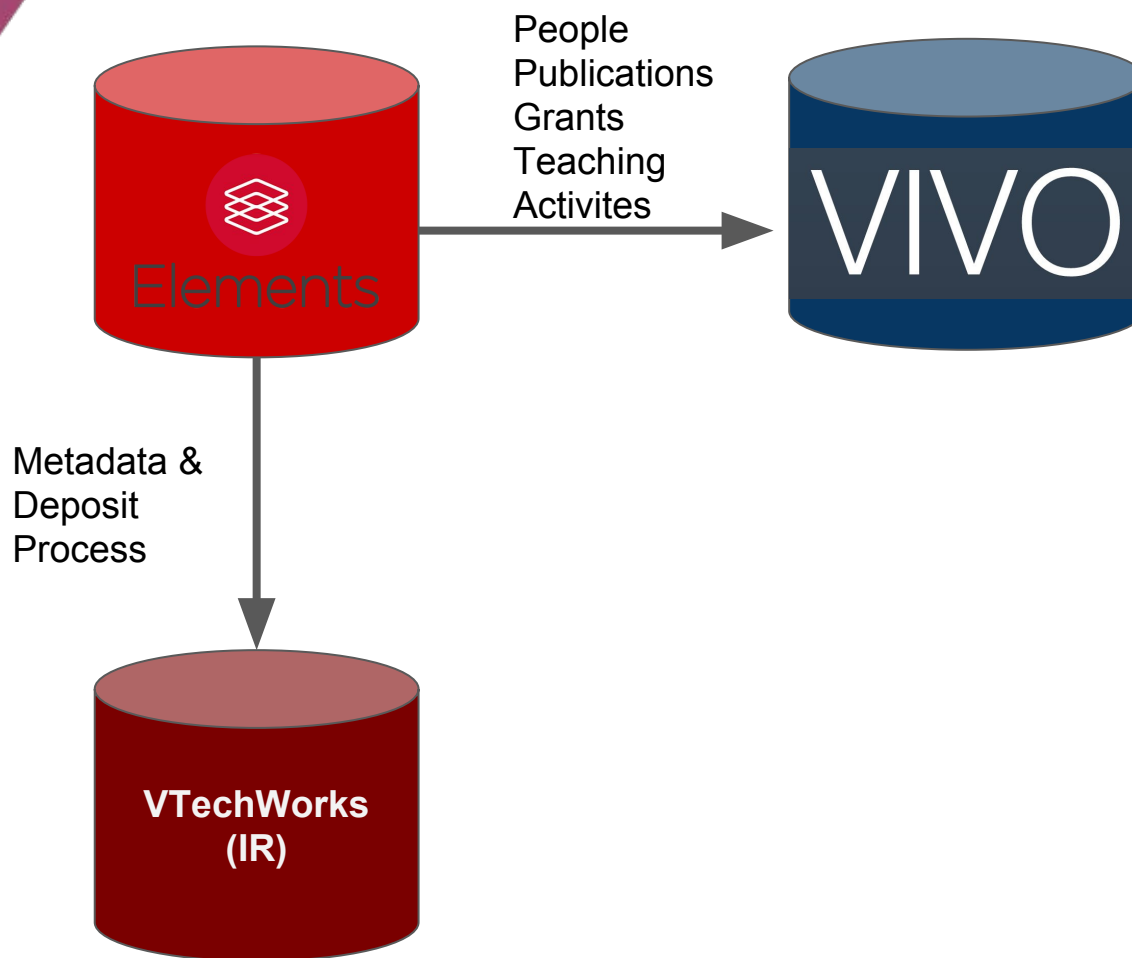
Internal Reporting
Trusted Data
Faculty Activity Reporting
Internal Profiling
VT-ONLY

The bottom line: Elements allows us to *collect* and *report* the impact of our research.

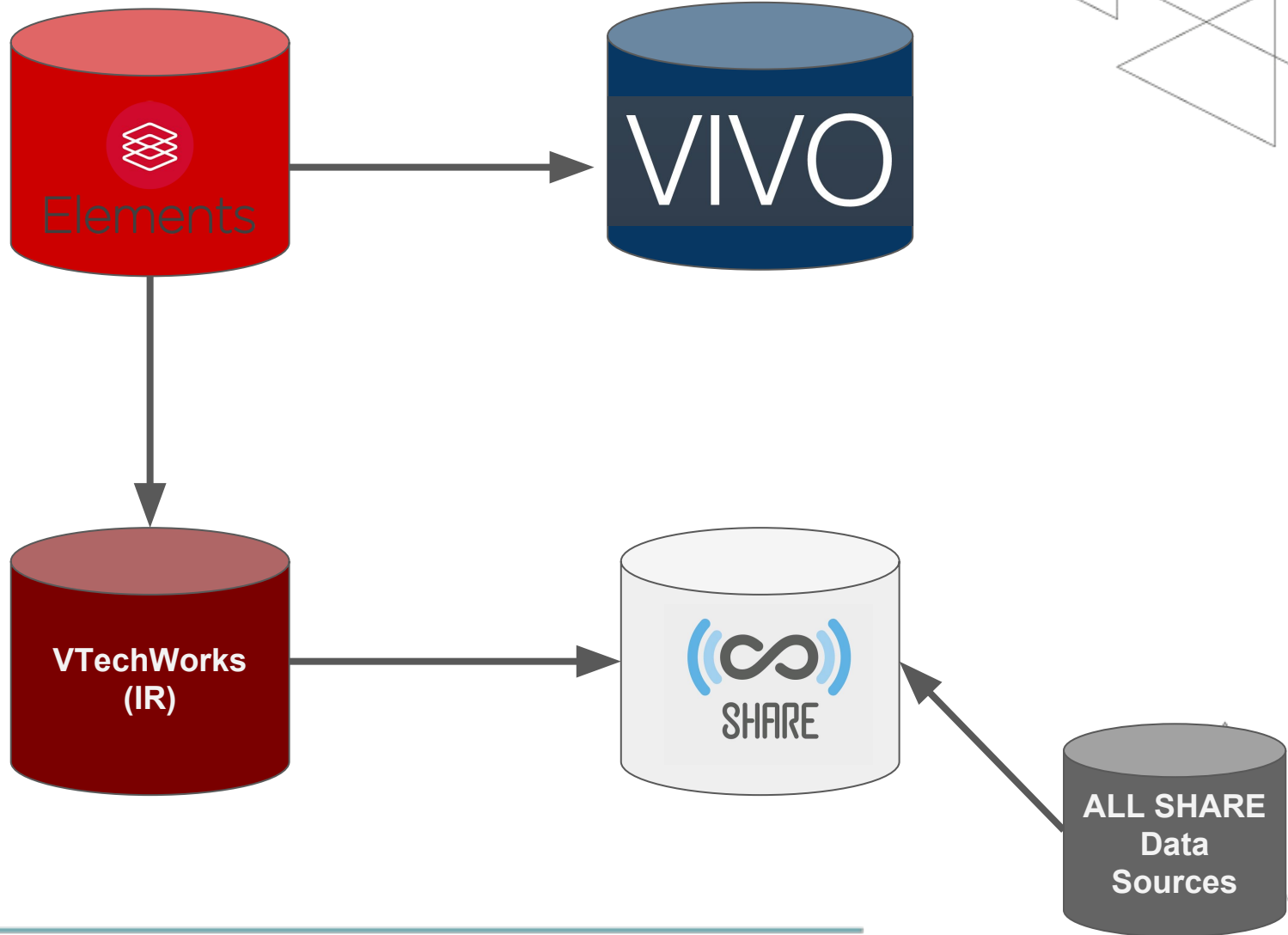
Public VT Profiles
Structured, trusted data
Supports reporting and visualization
Increases impact and visibility of scholarship and research

The bottom line: VIVO allows us to increase the impact of our research.

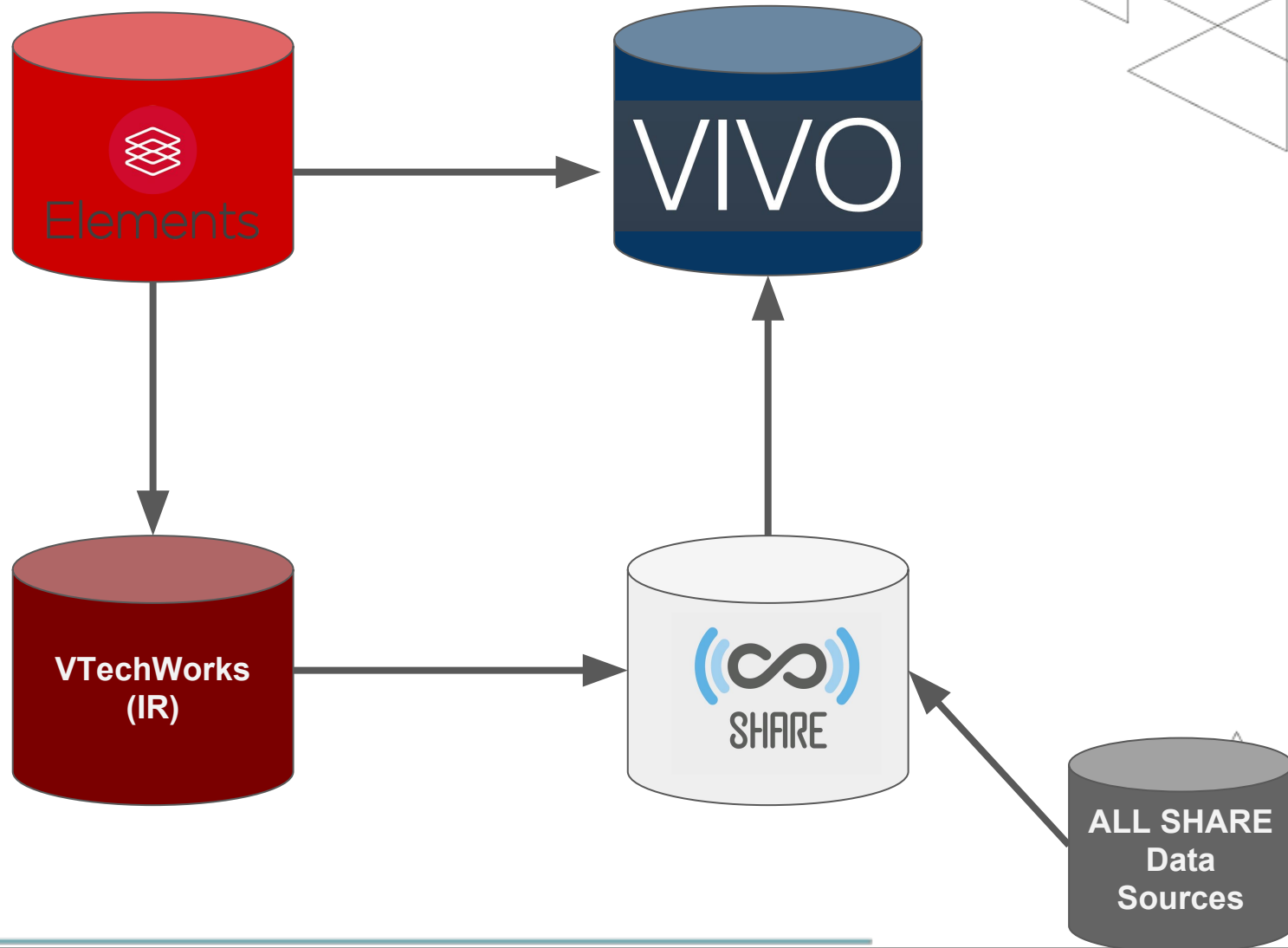
in progress environment @ VT



in progress environment @ VT




potential future environment @ VT



a Roadmap

1. Full Disclosure
2. What are VIVO and SHARE?
3. The Environment at VT
- 4. The Impact and Advantages of VIVO + SHARE on the Institution**
5. Potential Futures of VIVO + SHARE

Why VIVO+SHARE is important for VT:

1. It openly exposes trusted  **VirginiaTech**
Invent the Future[®] data and allows us to tell the whole story of our research impact situated within the global research environment.

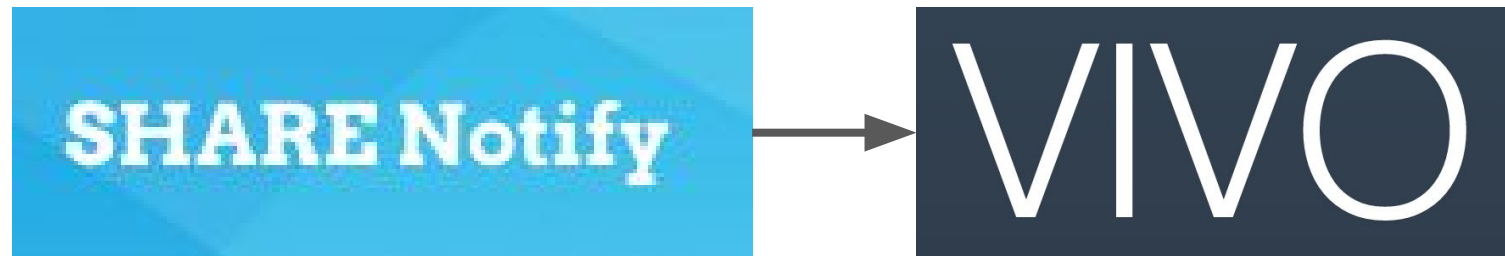
VIVO + SHARE Impact and Advantages

- VIVO **exposes** trusted institutional data to the open, global research environment
- SHARE creates links and **enriches** data across complex research environments

Result: Closer ties between non-traditional scholarly research products and institutional data.

Why VIVO+SHARE is important for VT:

2. It increases the speed of research release and dissemination, which in turn increases the speed of knowledge creation.



Why VIVO+SHARE is important for VT

3. It allows us to openly contribute, in near real-time, to the global research community, fulfilling the central mission of Virginia Tech as a land-grant institution.

Why VIVO+SHARE is important for VT

“Accordingly, I am challenging the university community to engage in a visioning process to support two interrelated goals: advancing our status as an internationally-recognized, global land-grant institution, and strategically addressing the challenges and opportunities presented by the changing landscape of higher education.”

[The Challenge](#): A Letter from Virginia Tech President Timothy D. Sands

The Impact Cycle



a Roadmap

1. Full Disclosure
2. What are VIVO and SHARE?
3. The Environment at VT
4. The Impact and Advantages of VIVO + SHARE on the Institution
- 5. Potential Futures for VIVO + SHARE**

The Future of VIVO + SHARE



1. It could advance the adoption of a standard set of identifiers represented in a well-documented and open ontology.



2. Which, in turn, would greatly improve the access to and use of data about higher education.

The Promise of SHARE

[...] “that the OSTP memo served as the catalyst for an *even more* ambitious project to reveal academia’s intellectual output in a unified and comprehensive way; to **connect *anyone*** with these research outputs, regardless of format; to help **expand the reach** of information and new knowledge creation; to help with truly **democratizing information in a global setting**...tell me, doesn’t that inspire you to involve your library in this effort?” [emphasis mine]

Shorish, Y. (2016) *Confused about SHARE? Let’s fix That!* ACRL TechConnect. Posted 2/11/16 at <http://acrl.ala.org/techconnect/post/confused-about-share-lets-fix-that>

Questions? alop@vt.edu



VirginiaTech
Invent the Future[®]



VIVO

Connect Share Discover



SHARE