If I could turn back time:

Looking back on 2+ years of DMP consulting at Virginia Tech

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- ★ Data Services Goals
- ★ DMP@VT timeline: March 2013 - today
- ★ Things we have done (at Virginia Tech) re: education and marketing
- ★ DMP consulting statistics (again, at Virginia Tech)
- ★ Consulting Logistics (again again, at Virginia Tech)
- ★ Feedback from NSF
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Our Goals

We enable **data** created by faculty, staff, and student researchers at Virginia Tech to...

Our Goals

achieve maximum **impact** on the scientific and scholarly record

Our Goals

be useful over **time** and across **disciplines**

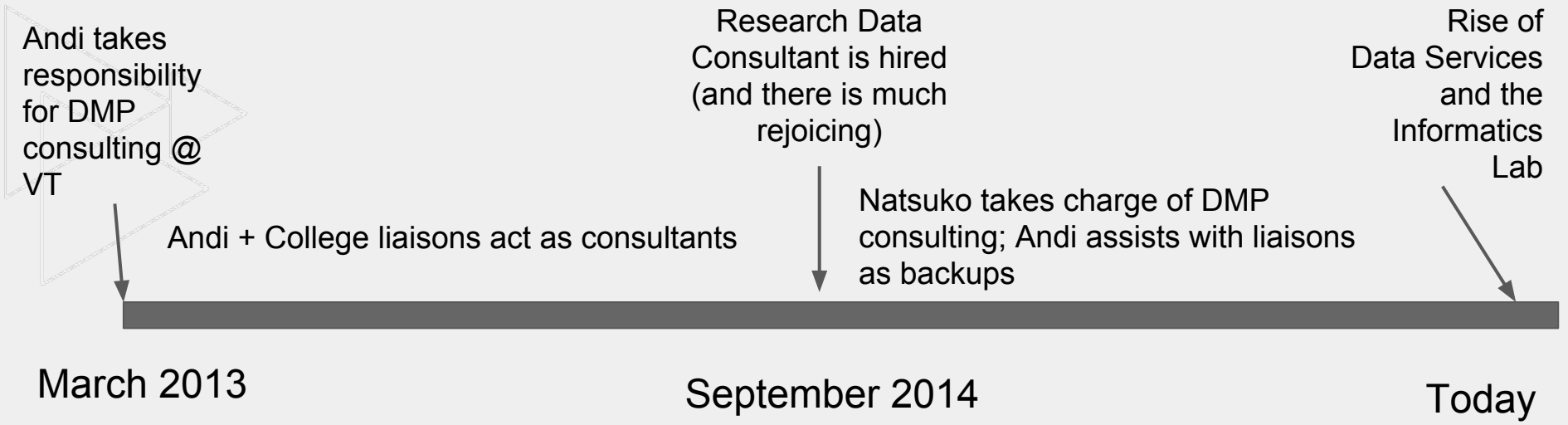
Our Goals

and be **openly shared**

(when appropriate)

for the benefit of humanity

Timeline



The Future:
An integrated, collaborative model involving

- College liaisons
- Data & Informatics Consultants
- A Data Management Consultant/Coordinator

1. Education on DMPs
    a. Bootcamps, 1-offs, collaborative sessions
    b. Modules built into for-credit grad courses
    c. Embedded sessions for undergraduates
2. Created Resources
    a. LibGuides
    b. DMPTool Customizations

Things we have done.

DMP Consulting Statistics: Fall 2014 - Spring 2016

Number of requests received through DMPTool.org:

2

Total number of DMP Consult Requests:

32

Total number of returned DMP Consult Requests:

2

Number of "**very satisfactory**" DMPs re-submitted to NSF:

1

Review requests submitted **at least 5 business days** before a deadline will be given priority.

Average request lead time:

6 days before deadline

Shortest DMP request turnaround:

6 hours

Points of origin:

- Referrals
  - Colleagues
  - Reference
  - OSP
- Educational opportunities
- Website
- DMPTool
- Blind Luck

Logistics

1. Upfront questions:
   a. Let our specialists take a look?
   b. Keep an anonymized copy for training?
   c. Contact all the project's collaborators?
2. Collaborative Suggesting
   a. Google Docs
   b. "Take it or Leave It"
3. Embedded data consulting model: This is (not) the end.
4. Lessons learned
   a. Don't promise what you can't give.
   b. Don't forget about customer service.
   c. Don't be afraid to say no (politely).

Feedback from NSF

- Received by 2 different research teams in Summer 2015.
- Original DMPs were **not** reviewed by Library Consultants.
- Redacted to protect the innocent.

Feedback (from NSF) as of Summer 2015

"What is uncertain, however, is **what** specific kinds of data can be made accessible to others, and **how** those data will be made easily accessible over long time periods from **institutionally maintained repositories**… [directorate] does not consider requiring other users to request the data from individual researchers or from project websites to be appropriate, because there is no certainty that such access will be **easy, open, and maintained over long time periods**."

~ NSF revision request to VT researcher June 2015

Feedback (from NSF) as of Summer 2015

"Although the DMP you submitted with your proposal was judged to be adequate, there are some concerns regarding your plan which need to be addressed before we can proceed with making an award. Although the DMP is written in a way that seems to be compliant with the general principle of making all data that can be share readily accessible to others, **it lacks specifics** regarding how that will be done for data and other materials beyond the [specific data type]. We need assurance that the data your project will generate (those that do not need to be kept confidential per IRB protocols) will be **accessible to other researchers and potential users** over the long term."

But wait, there's more!

"Note that you will need to report about your data management activities in the annual and final reports you will send to NSF, and **future requests for NSF support by both the advisor and the doctoral student** will include evaluation of how well data have been managed for this project."

"Note that you will need to **report about your data management activities** in the annual and final reports you will send to NSF, **and future requests** for NSF support."

The DMP Future: Where are we going?

1. **More carrot, less stick** - build data management into the research process through embedded consulting.

2. **Curation services** offered around new Fedora/Hydra/Sufia data repository (VTechData).

3. Develop **marketing strategy** and tie to other library-led initiatives - VIVO, Elements, OSF for Institutions (hopefully).

4. Spend significant time on **partnerships**: Office of Sponsored Programs, Office of Export and Secure Research Control, IRB, Advanced Research Computing, Technology-enhanced Learning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