CHARTING A STRATEGIC WAY FORWARD FOR NCATS DATA SCIENCE

National Center for Advancing Translational Sciences (NCATS)

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CS + Human Centered Design

THE CHALLENGE

imbalance in resources applied to different informatics efforts

no training for staff who are data science novices hard to get projects across the finish line lack of data lifecycle / management policy at NCATS building the plane as we fly it mentality

sharing of resources or lessons comes up more ad hoc.

so many different collaborative platforms -- annoving!

Need: Overarching Strategy for NCATS

Data Science

considerations about value to

public or usability feel secondary

projects aren't disseminated effectively

project at a given time

staff are overburdened and burnt-out need more

no coordination for tools of current IT resources It is difficult to

It is difficult to know the process and how to get help

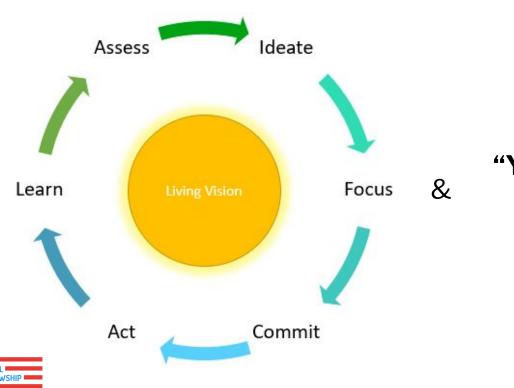
Silos, silos, sometimes

lack of standardization of coding and data practices

thinking of IT/informatics as an unlimited resource

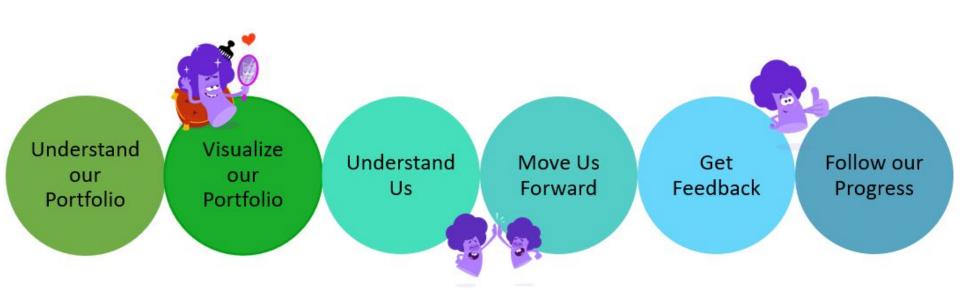
CIVIC DIGITAL FELLOWSHIP

THE METHOD



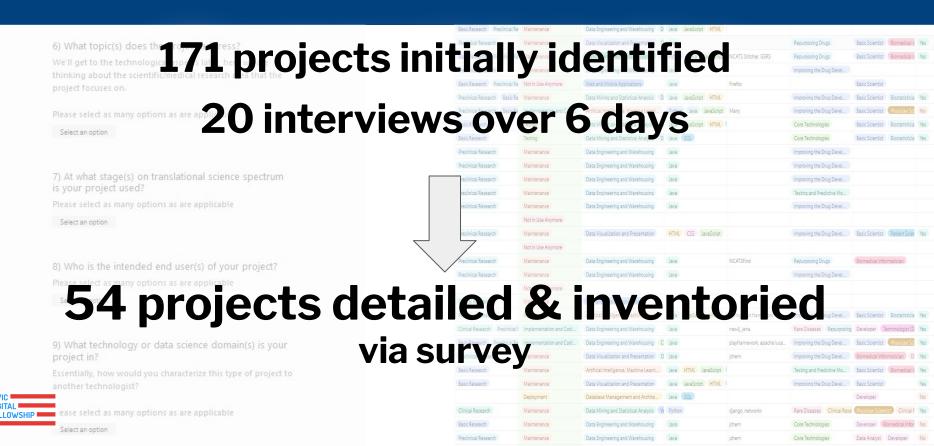
"You can't improve what you can't measure"

THE PROCESS



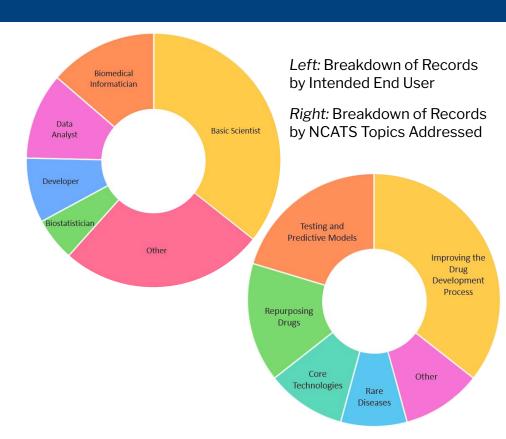


UNDERSTAND OUR PORTFOLIO



VISUALIZE OUR PORTFOLIO

- Allowed us a greater understanding of our portfolio
- Will serve as a foundation for future tracking dashboard



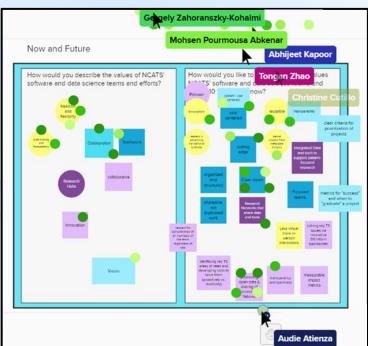


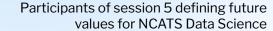
UNDERSTAND US

Now and Future

How would you describe the values of NCATS' software and data science teams and efforts?

How would you like to be describing the NCATS' software and data science teams efforts 10 years from now?







UNDERSTAND US

"lots of tech expertise at NCATS" "lack of success is not a failure"

"culture of 'yes' let's try this!"

5 strategizing sessions 70+ people from across NCATS



MOVE US FORWARD



Impactfully Innovative



Sustainable



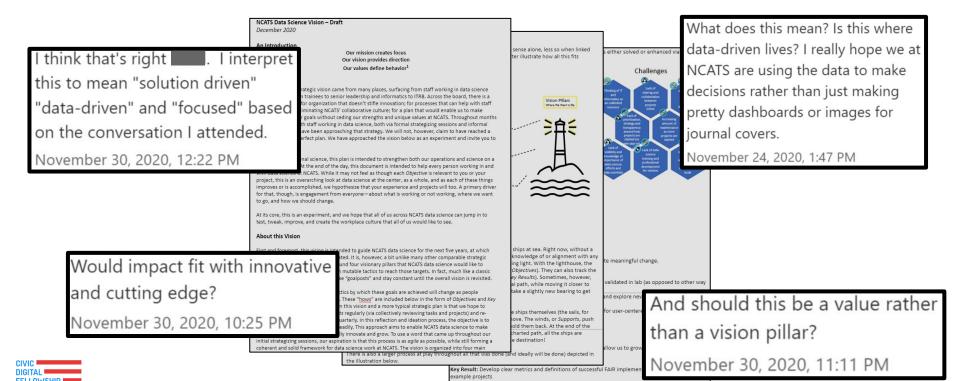
Inclusive, Equitable and Diverse



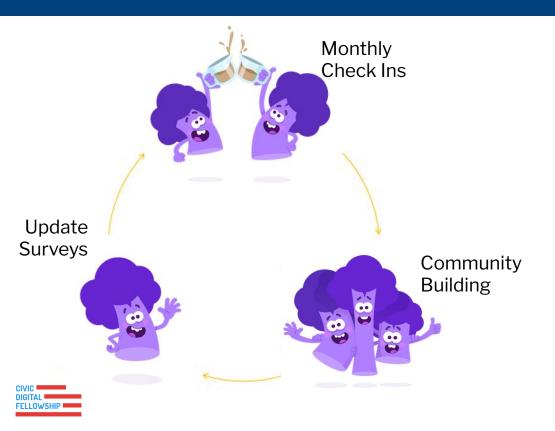
Transparent,
Open and
Communicative



GET FEEDBACK



FOLLOW OUR PROGRESS



FOLLOW OUR PROGRESS





THE IMPACT

Inventory

Strategy



Processes

Empowerment, Foundation, & Community!

NEXT STEPS

Short Term:

- Implementing New Project and Update workflows
- Creating Strategy and Project Tracking dashboard infrastructure
- Continuing to Inventory

Longer Term:

 Align around strategy and engage with NCATS Data Science community month over month and year over year!



THANK YOU!

To so many people...

Christine Cutillo

Jess Mazerik

Rachel Dodell, Chris Kuang and Ariana Soto

Song Hia

Joni Rutter and Kyle Brimacombe

Everyone in NCATS Data Science

