

MEASURING OBSERVABLE INFLUENCE AND IMPACT OF SCIENTIFIC RESEARCH BEYOND ACADEMIA

TEAM: ABRACA-DATA

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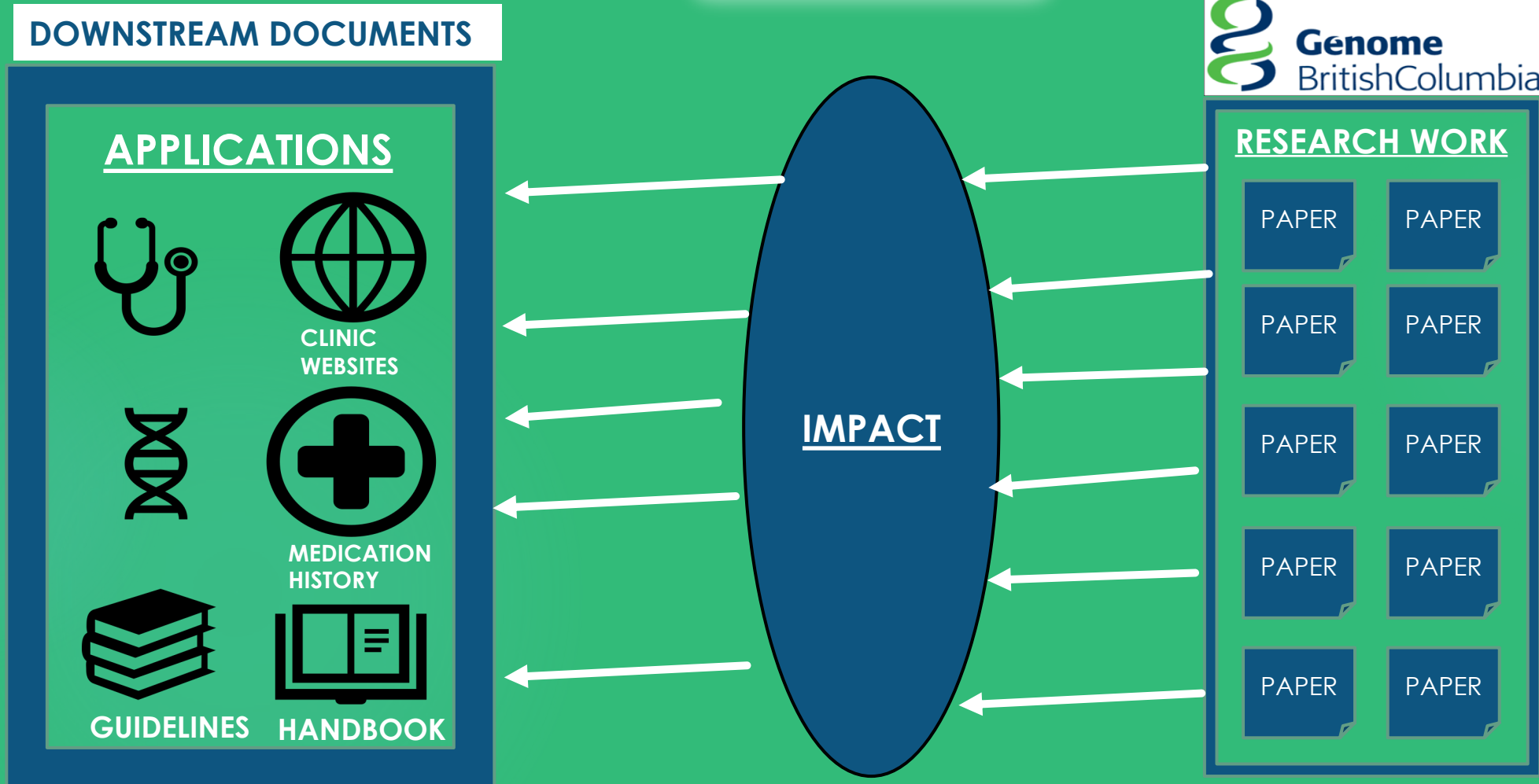
AGENDA

- GOAL and MOTIVATION
- SCHEDULE
- PROGRESS
- CHALLENGES
- NEXT STEPS

OVERVIEW

GOAL

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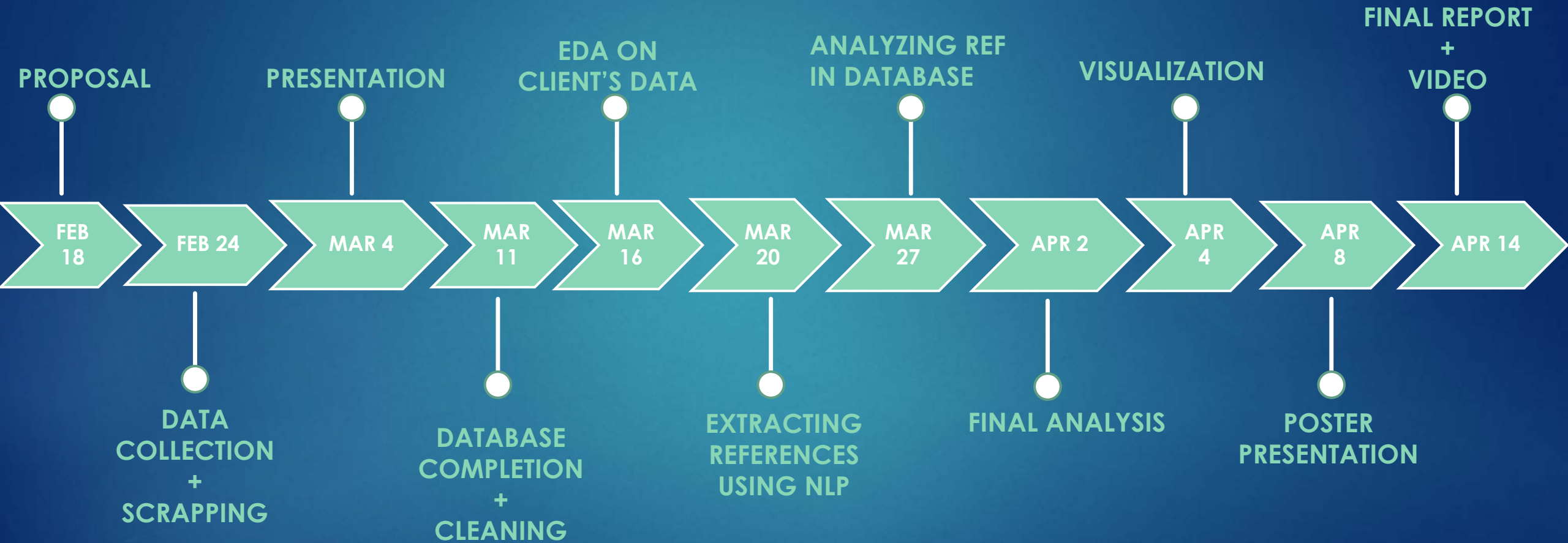


MOTIVATION

- ☐ Checking the impact of research publication in Healthcare for future implementation.
- ☐ Make healthcare research more impactful and beneficial to people.
- ☐ Help researchers understand the real world impacts of healthcare publications.



SCHEDULE

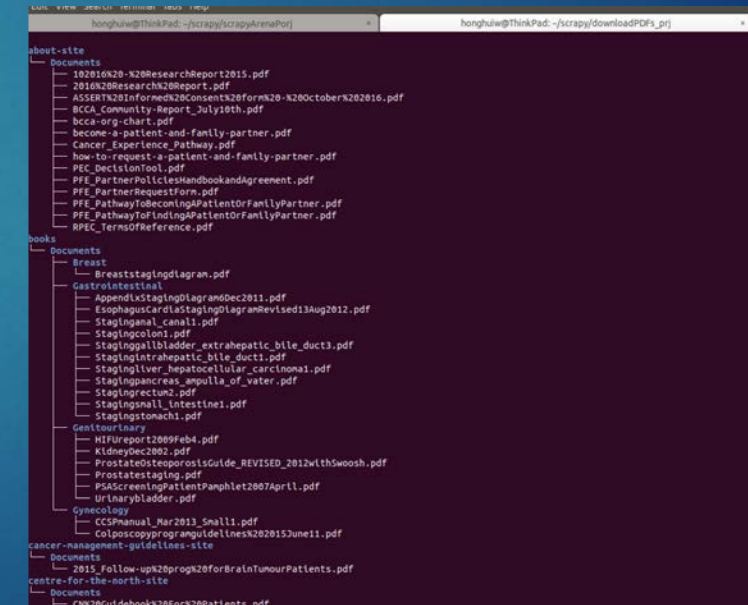
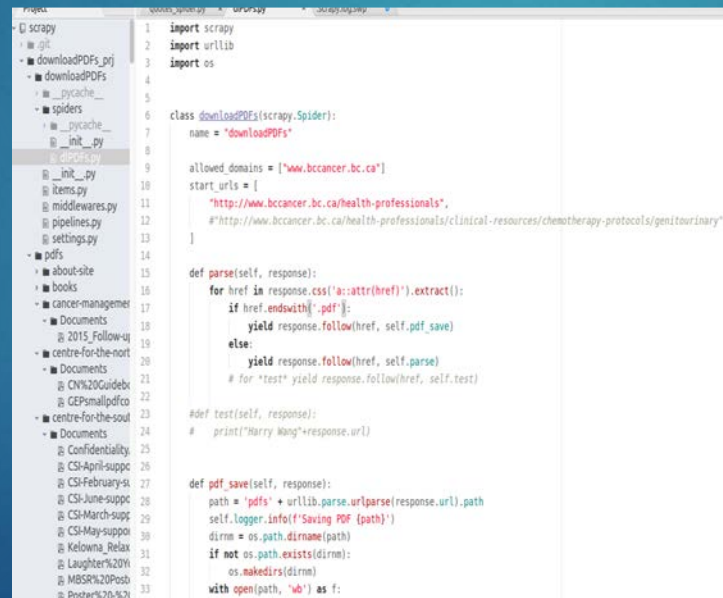


PROGRESS

**BC
CAN
CER**



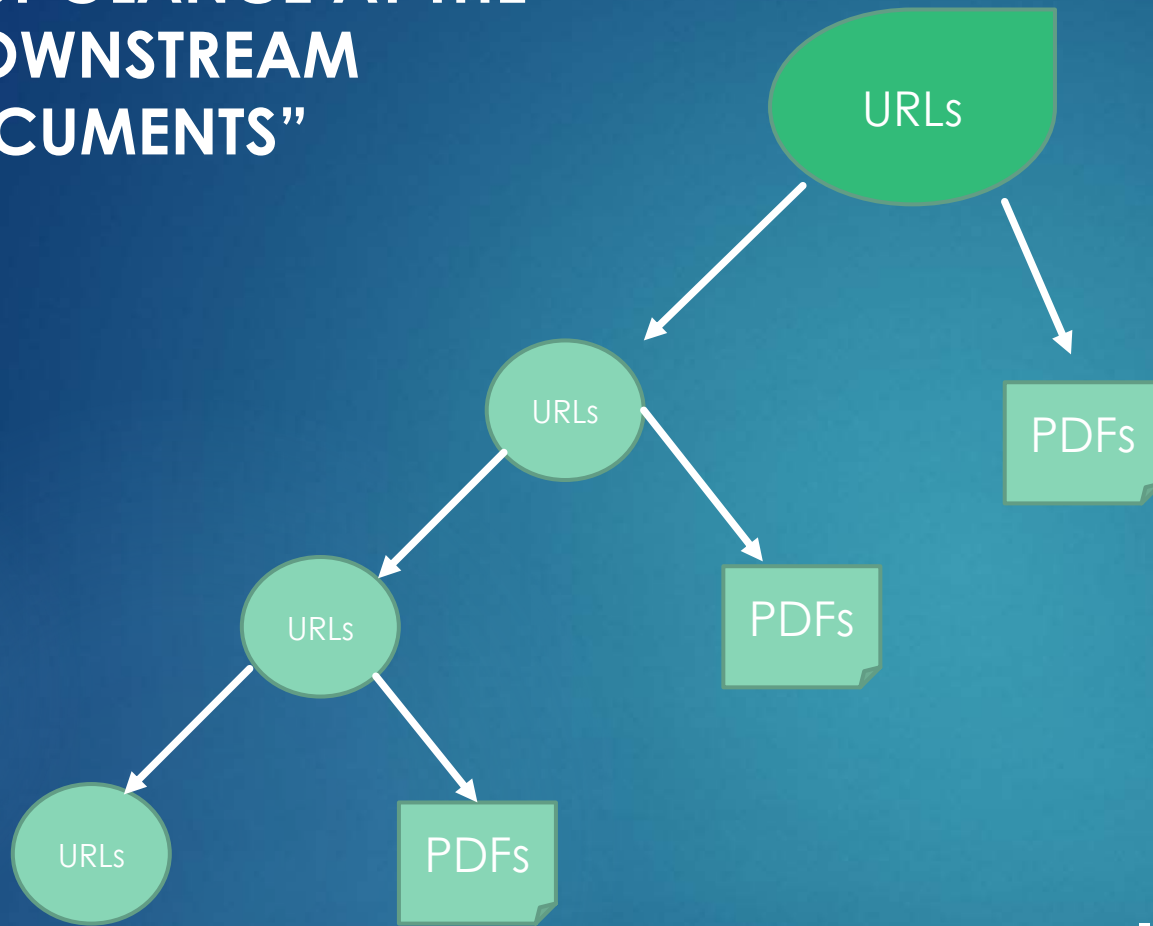
- ❖ MANUALLY DOWNLOADING UNSTRUCTURED DATA.
- ❖ USING TOOLS LEARNED TO SCRAP THE DOCUMENTS FROM THE GIVEN WEBSITES.



CHALLENGES


FIRST GLANCE AT THE “DOWNSTREAM DOCUMENTS”

11



IS IT THIS SIMPLE
TO SOLVE???

NO



We need to go deeper



THAT'S NOT ENOUGH

WE HAVE TO GO DEEPER

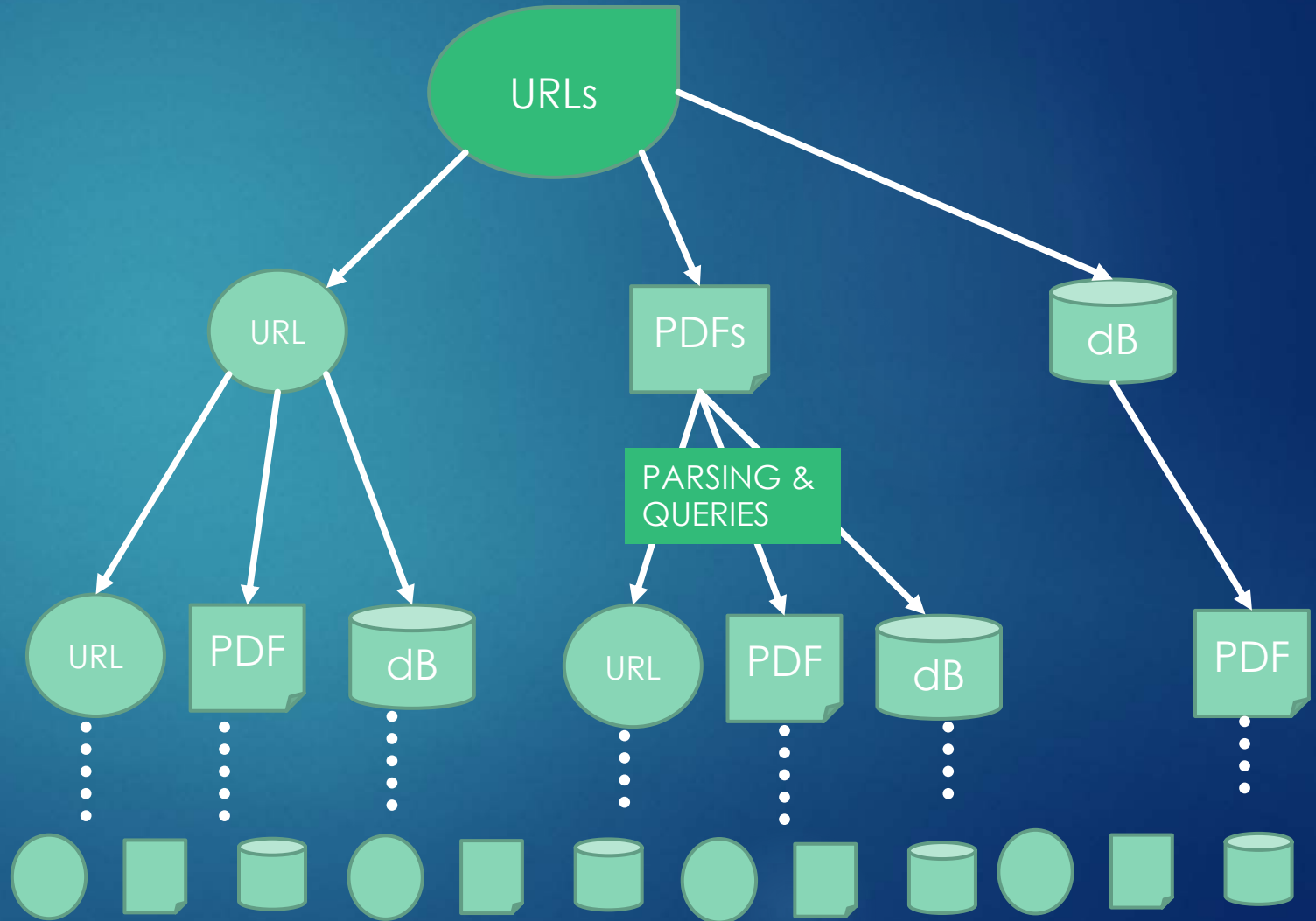


GOOD...GOOD...

**BUT WE MUST GO
DEEPER!**

memegenerator.net

OUR CHALLENGE

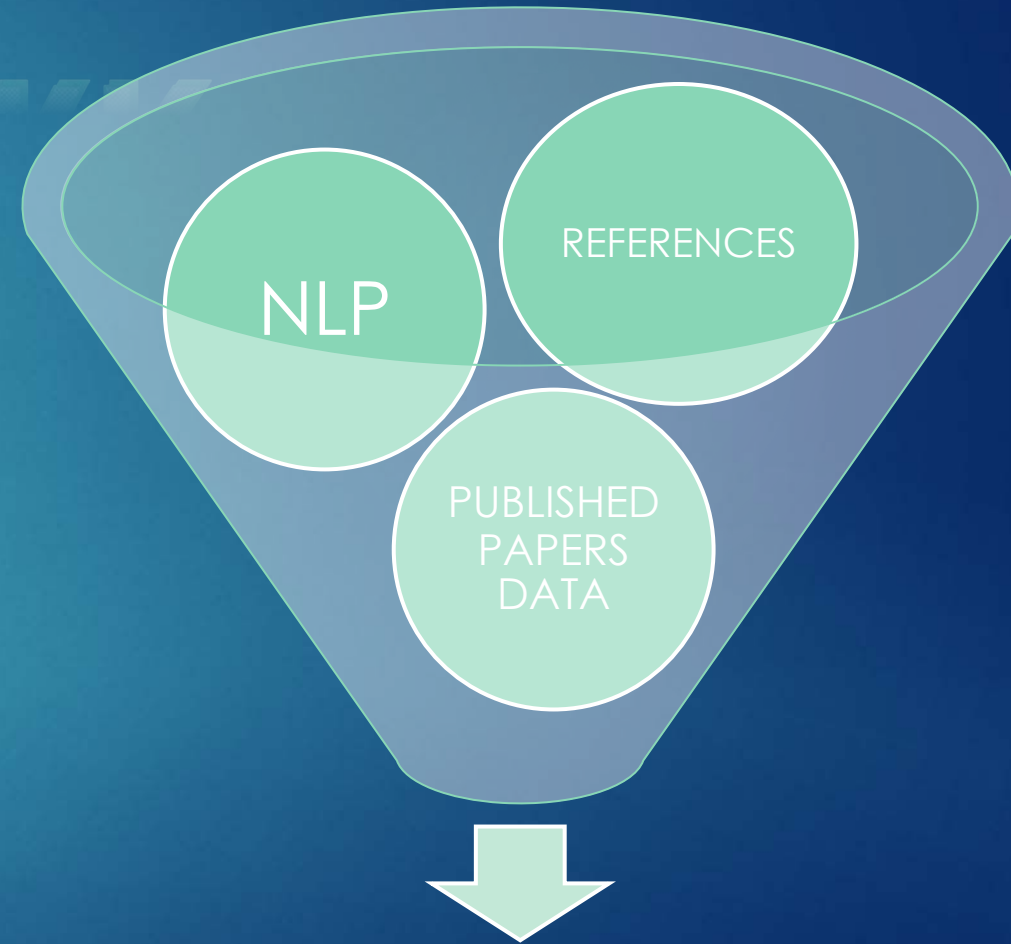


URLs

URLs, PDFs, dB API
AND HANDBOOKSREFERENCES AND IMPLEMENTATIONS
TO THE PAPERS

FUTURE WORK

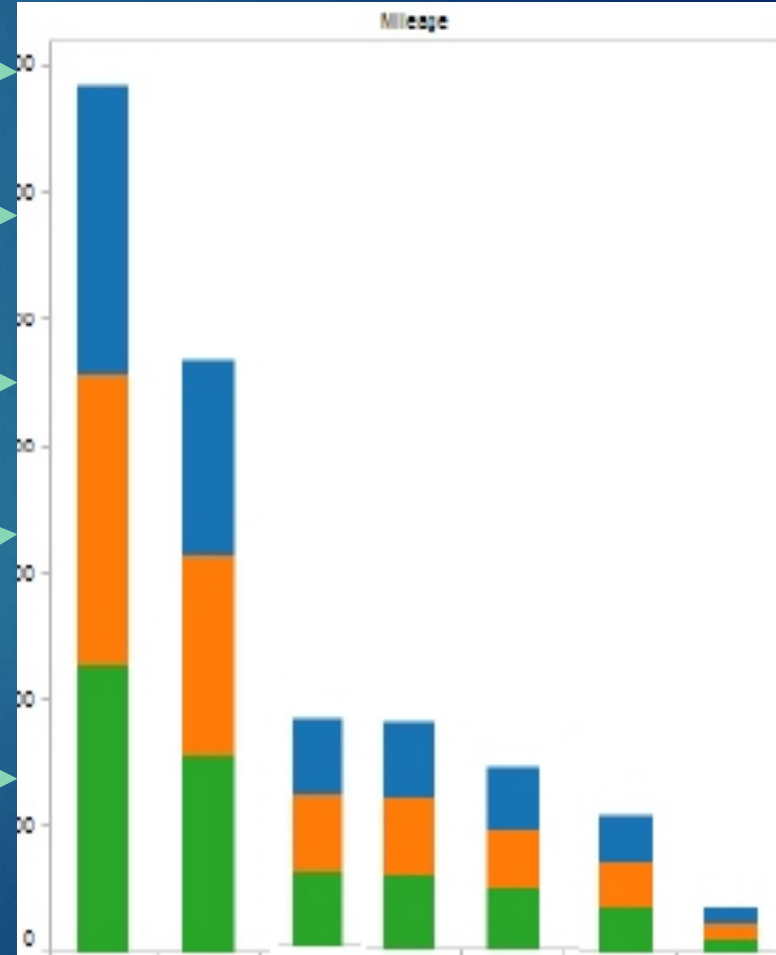
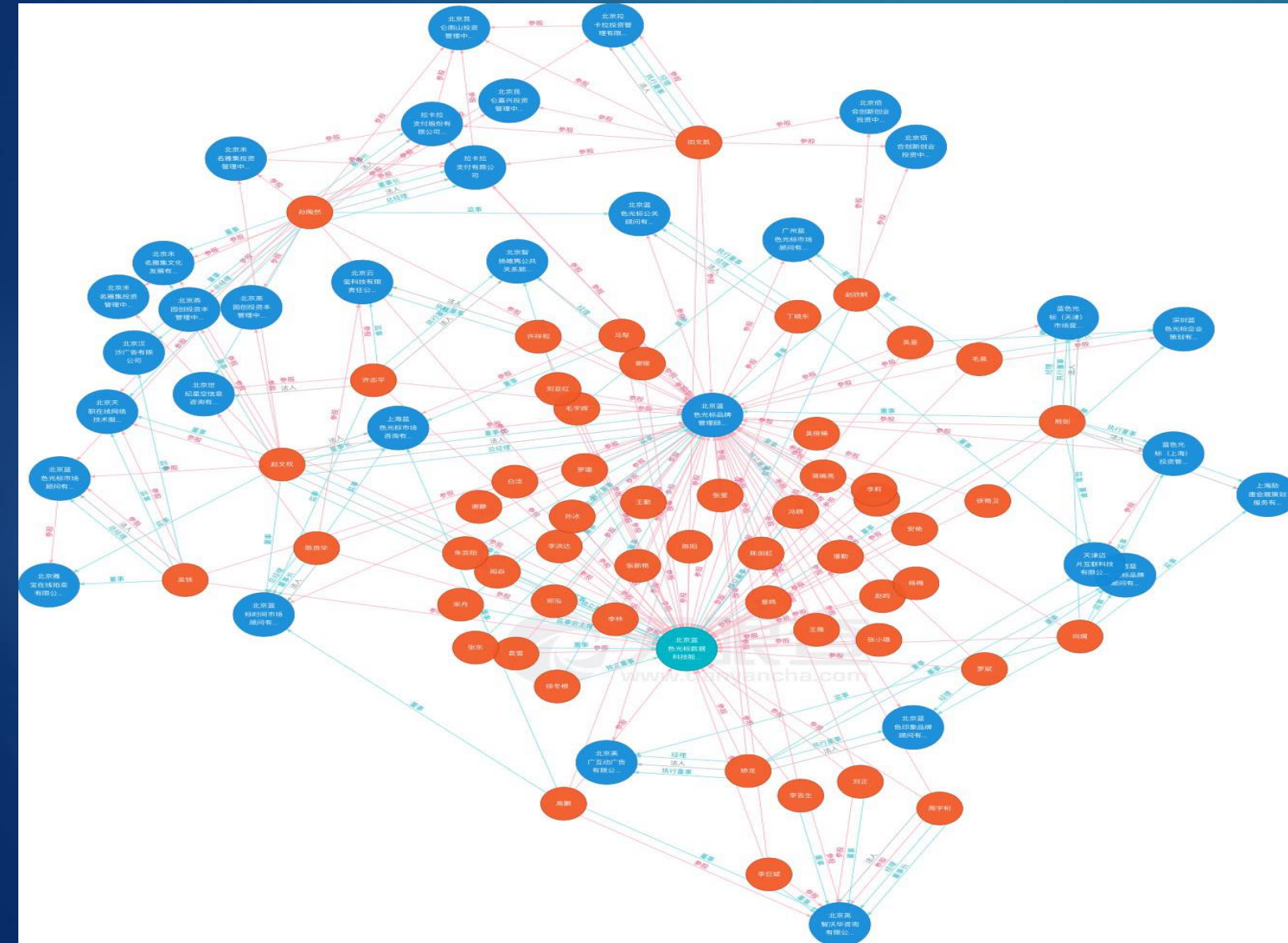
- ❖ EXTRACTING REFERENCES TO BUILD THE DATABASE
- ❖ BUILD LABELLED TRAINING DATA FROM PAPERS WHO HAVE DOIs FOR NLP MODEL.
- ❖ USING NLP TO GET CORRECT KEYWORDS
- ❖ EDA ON GENOME BC's DATA
- ❖ GETTING IMPACTS FROM EACH PUBLICATION USING ANALYSIS
- ❖ VISUALIZATION USING TABLEAU
- ❖ AUTOMATE SCRAPING PROCESS TO TEST



IMPACT REPORT

OUR GOAL

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QUESTIONS?

