

Two Decades of Advances in Electronic Theses and Dissertations

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Outline

- **Background**

- Landscape of Academic Libraries and Scholarly communications
- Emerging Trends

- **About ETDs**

- ETD Stakeholders
- Tools and Projects

- **ETDs at Academic Institutions**

- UNT's Experiences

Background

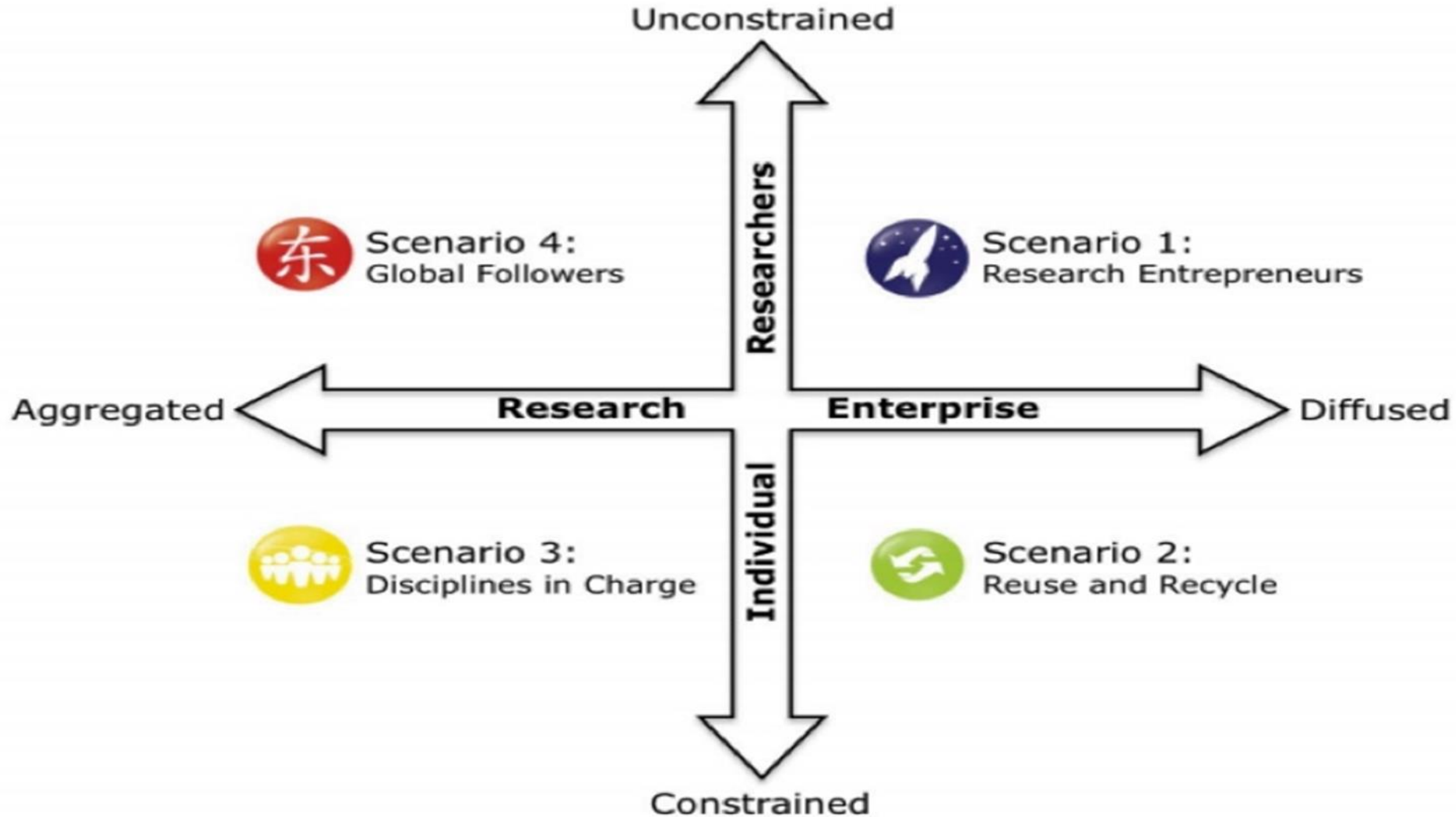
Background

- **The Open Access movement is transforming scholarly communication**
 - Open Access - (provision of unrestricted online access to results/outputs of research & development)
- **Numerous emerging trends fundamentally change the directions of scholarship:**
 - The development and availability of interoperable Open Access content
 - Global and explosive growth of social networking,
 - Big data and inter-institutional data sharing,
 - Cross discipline collaborations, etc.

Emerging Trends

- **Expressions of scholarship are increasingly becoming more diverse**
 - Rate of creation of new data and data sets
 - Storage format evolution and obsolescence
- **Maintaining accessibility to data through links and search results**
 - Different community inclined to share items at different level of normalization
 - Comparability of semantic and ontological definitions of data sets
- **Access from anywhere, anytime, via whatever (mobile) devices**
 - Embracing true user-centric in any context
 - Giving users what they need with freedom and flexibility
- **Altmetrics for measuring impact in this diverse scholarly ecosystem**
 - Traditional metrics vs. usage metrics vs. divorcing a metric from the scholarly work
 - Rethinking vs. revolutionizing the analysis of the value and impact of scholarly work

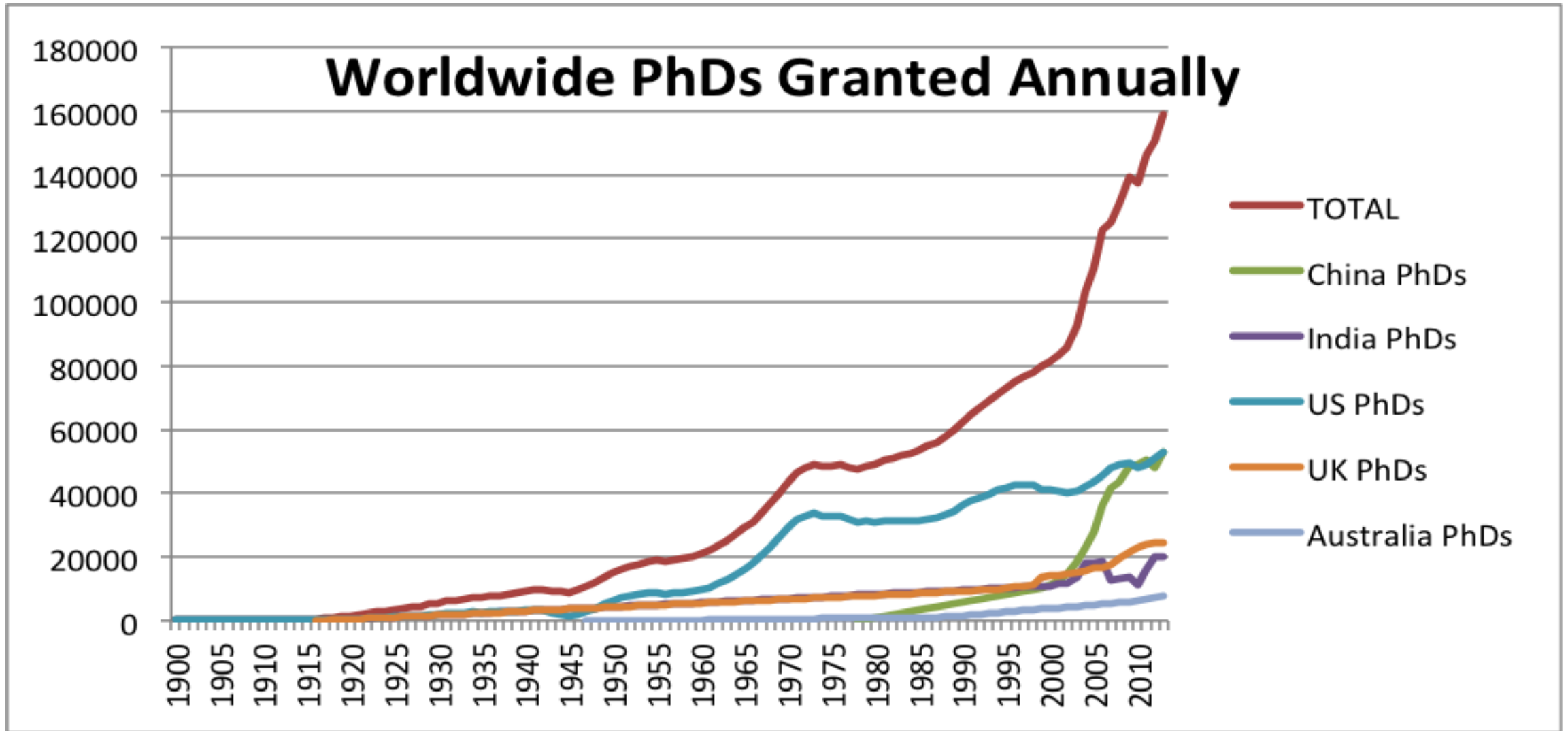
Emerging Roles of Academic Libraries



Emerging Roles of Academic Libraries

- ***Scenario 1: Research Entrepreneurs***
 - “individual researchers are the stars of the story”. Academic institutions and disciplinary silos are no longer relevant for entrepreneurial researchers who chase short-to-long term contract work from private and public sources.
- ***Scenario 2: Reuse and Recycle***
 - Outlines a world defined by an “ongoing scarcity of economic resources” which forces the reuse and recycling of research activities, with virtually no public support for research.
- ***Scenario 3: Disciplines in Charge***
 - Utilizing advances in information technology “computational approaches to data analysis dominates the research enterprise”, fostering massive research projects aligned around “data-stores”.
- ***Scenario 4: Global Followers***
 - As funding agencies become more international, scholars continue to do their research but with new cultural influences from Middle Eastern and Asian funding agencies.

Science Still Increasing Exponentially



Source: 90% OF ALL THE SCIENTISTS THAT EVER LIVED ARE ALIVE TODAY: <https://futureoflife.org/2015/11/05/90-of-all-the-scientists-that-ever-lived-are-alive-today/>

ETD

- ETD is simply an **electronic** version **thesis** or **dissertation**
 - Open Access ETD makes research immediately accessible globally
- Increasingly students are producing and submitting intellectual works beyond the PDF
 - Accompanying research datasets
 - Music recitals
 - Lab videos
 - Other complex digital contents

Stakeholders: ETD Organizations

- **International**
 - [NDLTD](#): Networked Digital Library of Theses and Dissertations
- **National**
 - [USETDA](#)
- **Statewide**
 - [California ETD \(CAETD\)](#)
 - [Florida ETD Association \(FLETDA\)](#)
 - [Ohio ETD Association \(OETDA\)](#)
 - [Texas ETD Association \(TxETDA\)](#)
- **Internal**
 - Graduate Schools, Libraries, IT Offices, etc.

ETD Conferences

- **International Conferences**

- [NDLTD's ETD annual Conference](#)

- **National Conference**

- [USETDA Annual Conferences](#) (2011 to Present)

- **Regional Conferences**


- [TxETDA](#)

ETD Awards

- **NDLTD Awards**
 - Innovative ETD Awards
 - NDLTD Leadership Awards
- **Professional Societies' Awards**
 - ASIS&T's ProQuest Doctoral Dissertation Award
 - ALISE's Eugene Garfield Doctoral Dissertation Award
 - iSchools Doctoral Dissertation Award
- **Institutional Awards**
 - UNT's Innovative ETD Award (2013 to present)
 - Many more ...

ETD Projects

- ETD Plus (*Educopia Institute*)
 - ETDplus Toolkit
 - ETDplus Virtual Workshops
- IMLS ETD Lifecycle Management Project
 - The guidance documents
 - The software tools
 - The Educational materials and workshop



ETD Lifecycle

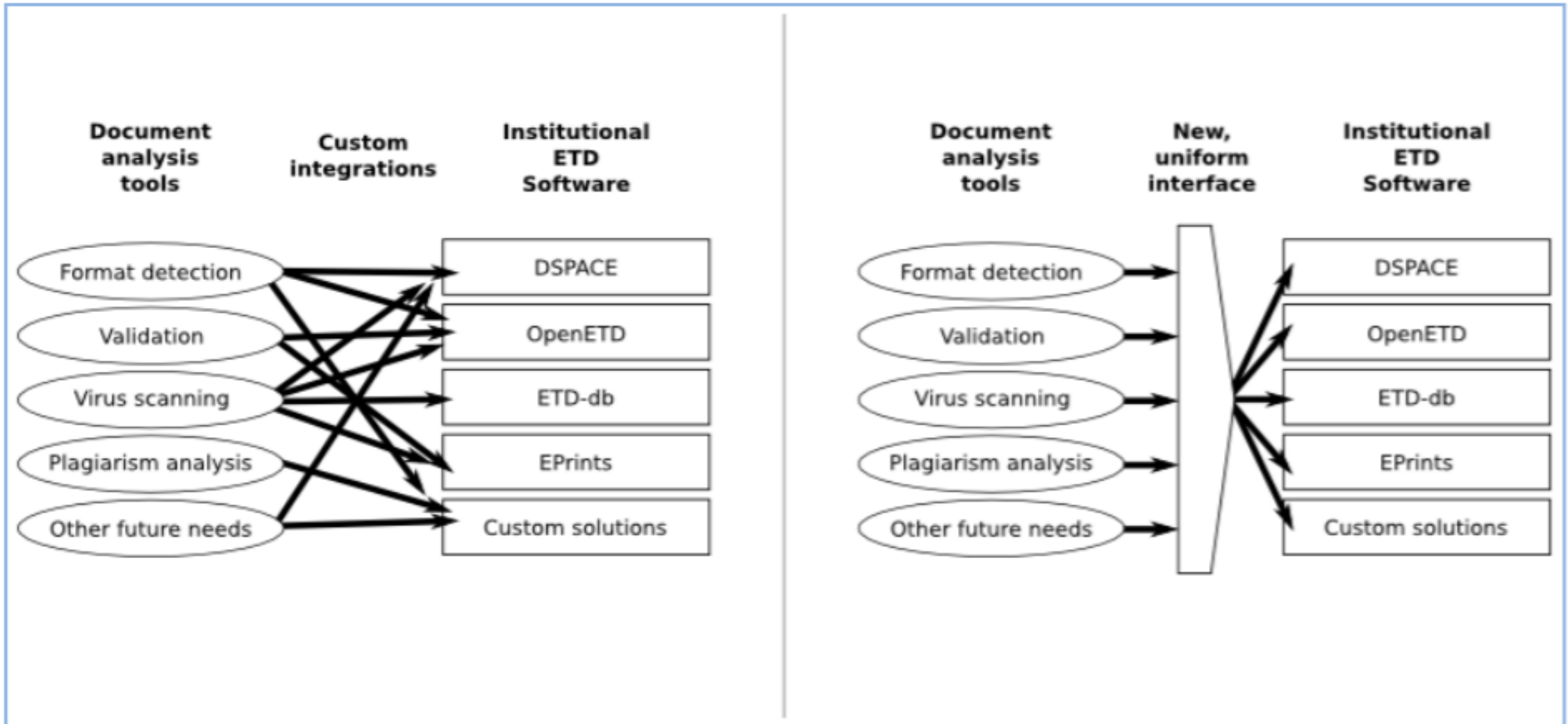
Understanding, documenting, and addressing the preservation challenges presented by ETDs

EDUCOPIA
INSTITUTE
Community Cultivators

INSTITUTE of
Museum and Library
SERVICES

Tools development for ETDs:

ETDs lifecycle management project



Tools development for ETDs: ORCID

- ORCID (Open Researcher and Contributor iD) offer unique virtual identifiers that track users' real-time achievements.
- Any submission embedded with an iD is tracked by ORCID through its online registry, ensuring that users are given proper accreditation.
- DSpace 5 came with an ORCID lookup option for author and editor, which allow to look people up by ORCID

ETD at UNT



At a Glance

19,291

Items

1

Type

1

Partner

9

Decades

5

Languages

225

Counties

45

States

108

Countries

11,706,485

Usage

9 years, 5 months ago

Collection Created

4 months ago

Last Updated

Looking Closely

- **UNT is one of the early adopters of ETD in 1999. UNT also digitized all of its theses and dissertations retrospectively.**
 - The oldest UNT ETD was from 1936.
 - Provide multiple format access and integrated associated files
- **2,363,147 pages or file sets / 19,291 ETDs**
 - 122 average pages per ETD (129 weighted Averages of File sets)
- **The page number is ranged from 41 to 1096.**
 - The highest frequency is 177 (59 pages), then 176 ETDs have 114 pages.
 - 87 ETDs have more than 500 pages and two ETDs have 1,000+ pages.

Top 20 (lowest page numbers)

Excel Online

	A	B
1	#Filesets In ETD	Count
2	41	120
3	43	106
4	44	119
5	45	119
6	46	110
7	47	108
8	48	157
9	49	135
10	50	142
11	51	132
12	52	137
13	53	136
14	54	143
15	55	138
16	56	168
17	57	157
18	58	164
19	59	177
20	60	144

Interesting to note that only 87 ETDs have more than 500 pages and of which only two ETDs have 1,000+ pages.

Bottom 20 (highest page numbers)

528	634	1
529	637	1
530	651	1
531	654	1
532	655	1
533	668	1
534	671	1
535	681	1
536	747	1
537	771	1
538	797	1
539	843	1
540	859	1
541	907	1
542	948	1
543	960	1
544	967	1
545	998	1
546	1090	1
547	1096	1
548		



U s a g e

Statistics: Digital Library

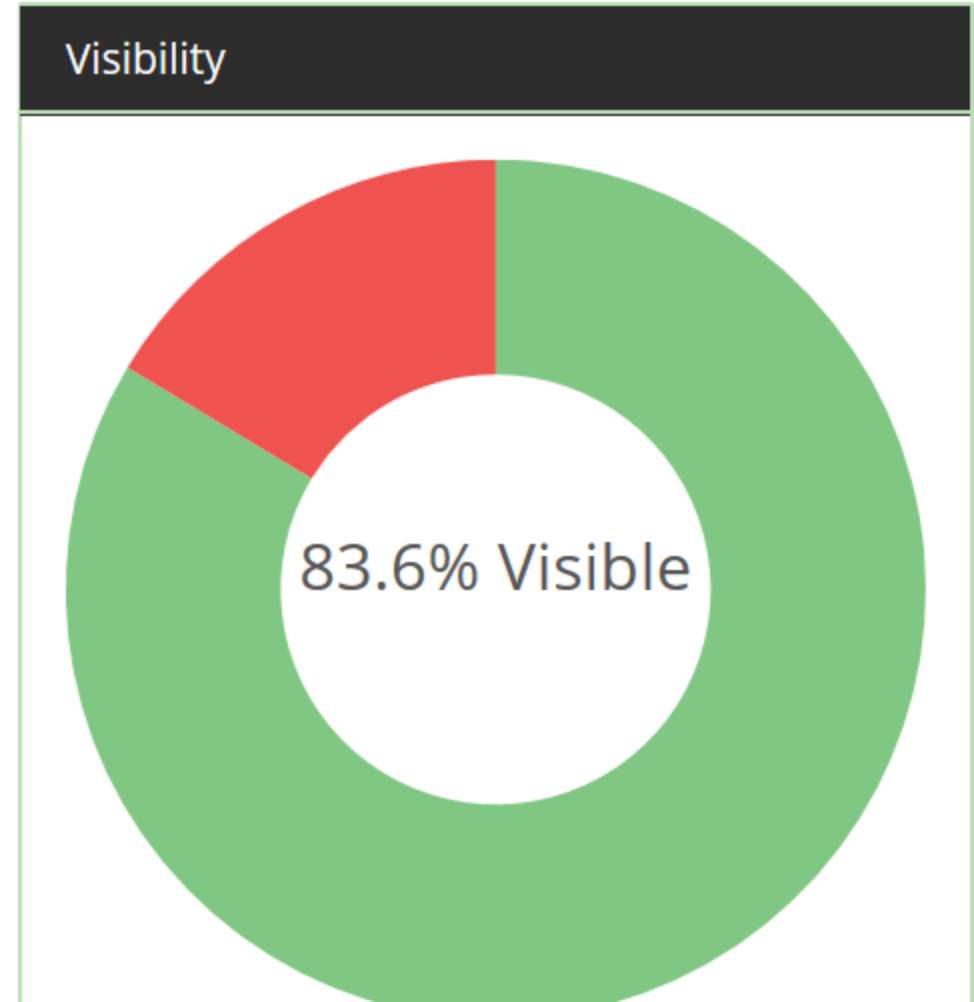
Overview

838,817 Total Items

26,791,268 Total Files

39,191,731 Total Uses

1,122,299 Uses Last 35 Days



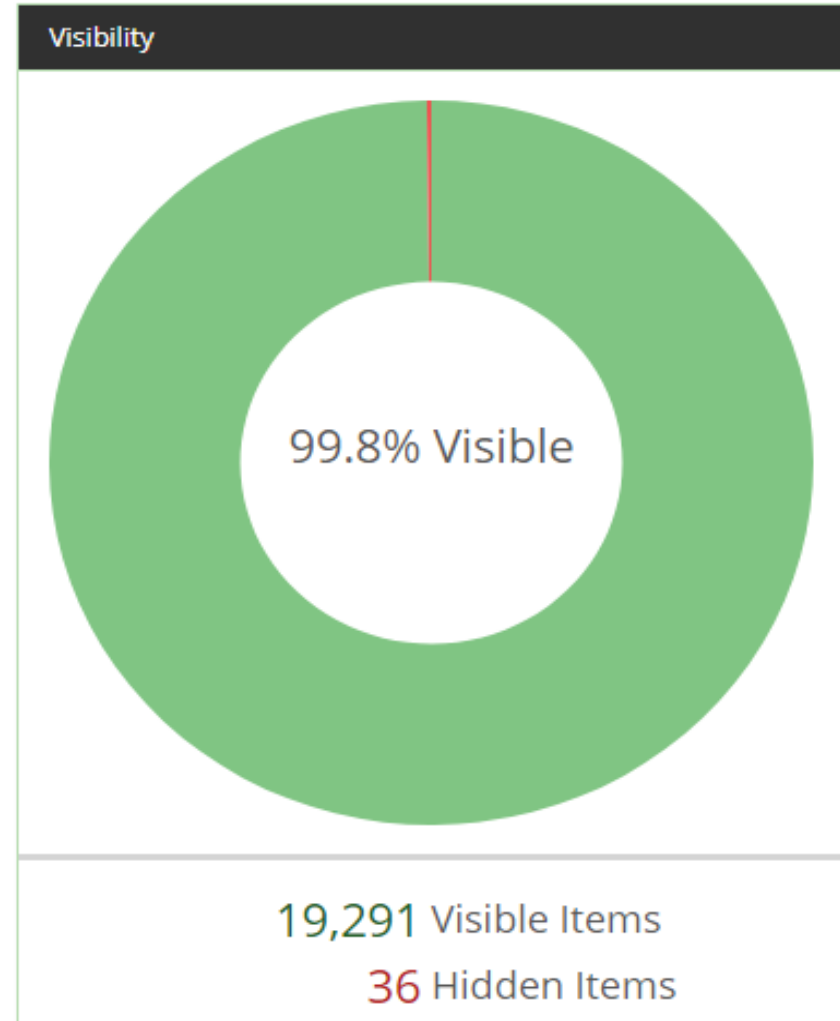
About 30% of UNT Digital Libraries' usages (~12 M. out of 40 M.) came from UNT-ETDs

You Are Here: [home](#) / [explore](#) / [collections](#) / [unt theses and dissertations](#) / [stats](#)

Statistics: UNT Theses and Dissertations

Overview

19,327 Total Items
2,363,147 Total Files
11,706,485 Total Uses

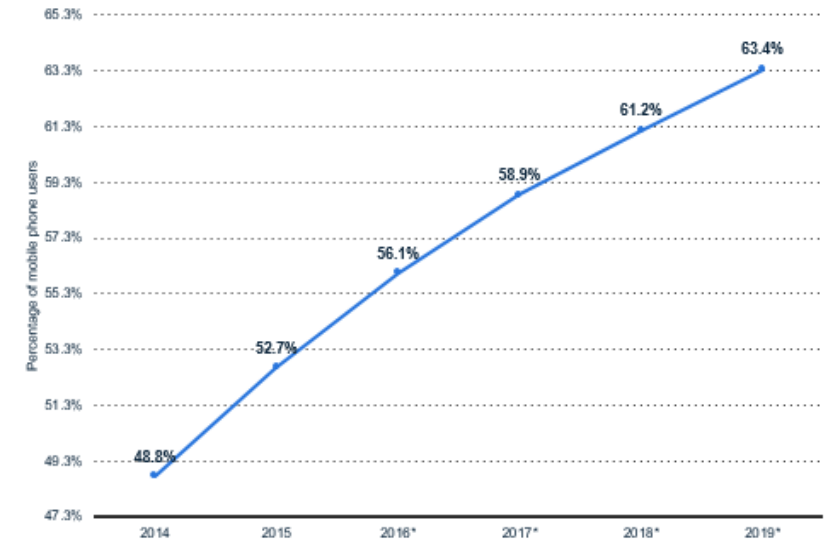




Summary

Mobile phone internet user penetration worldwide from 2014 to 2019

Mobile phone internet user penetration worldwide 2014-2019



Source(s): eMarketer: <https://www.statista.com/statistics/284202/mobile-phone-internet-user-penetration-worldwide/>

- **Electronic theses and dissertations (ETDs) comprise one of the most widely used collections in the UNT Digital Library.**
 - Our global users come from more than 220 countries.
 - The most used ETD has been accessed 52K times.
 - Users via handheld devices are growing continuously.

Thank you!

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