# Arts Asset Mapping



## AGENDA

- I. Summary & Goals
- II. Planning & Reporting
- III. Selected Insights
  - A. Enrollment
  - B. Spaces
- IV. Where Students/Faculty/Staff Practice Art
- V. Investments In The Arts
- VI. Conclusion & Questions



# Goals for this session

- Outline the Arts Asset Mapping Project at U of M
- Share **initial findings**
- Discuss how the project can be scalable/replicable (to other contexts)
- Outline implications for the project for the arts in higher education & cross-sector

## I. SUMMARY & GOALS

## II. Summary

The Arts Initiative has partnered with the Alliance for the Arts in Research Universities (a2ru) on a project **to map the considerable arts assets at the university**. In gathering the data necessary to understand and demonstrate the depth and breadth of the arts at the university, **we hope to help university leadership and the community visualize and understand the landscape of the arts available to the community**, **identify gaps, and be inspired with ideas to strengthen these assets**. Working with a seasoned advisory team of arts researchers and evaluators as well as U-M staff and students, the project seeks to gather all formal and informal arts experiences on campus.

## II. Summary (cont...)

We will collect data on a series of indicators, such as gallery and performance spaces, degrees attained, funding for arts faculty, course offerings, partnerships with arts organizations, student groups devoted to the arts—anything we can find to quantify the arts on campus. This pilot will result in a model instrument and protocol to quantify the arts landscape across higher education to enable deeper arts impacts research. The goals of the project are to make clear the value of the arts, as well as the unique set of skills students who engage with the arts acquire, and how those skills benefit their lives, careers, and communities.

### Some Framing Questions for our work

#### For Faculty:

- What federal arts funding have units/faculty been awarded?
- What arts awards/honors/achievements have faculty been awarded?

### **For Students:**

- What informal/formal art experiences do students have access to?
- What spaces are they using for arts activities?
- What art classes are they taking? Required to take?
- What performances are they attending?
- What are students doing in the co-curricular realm to participate in the arts (free time, student groups, with community)

## II. Goals of the Pilot Project

- 1. Provide U-M leadership and working group the information to make informed decisions on where to spend energy and other resources
- 2. Quantify arts assets in various reporting formats (visualization, data that can be applied to different questions)
- 3. Determine what are arts experiences
- 4. We need to define and use the categories unique to the arts



## II. Planning & Reporting

## III. Personnel

Advisory group member highlights (advising on project design and application)



Jennifer Novak-Leonard [PhD/Researcher]

- University of Illinois
  Urbana Champaign
- SNAPP Board Member
- Led the planning study and pilot test for the 2017 Survey of Public Participation in the Arts



**David B. Pankratz** [PhD/Researcher/Policy Director]

• Carnegie Mellon University

25-year career in the arts, education as a researcher, administrator, evaluator, policy analyst, teacher, and writer



**Jason Owen-Smith** [Executive Director, Research Analysis & Data Integration Office]

 Executive Director of the Institute for Research on Innovation and Science (IRIS), which collects, curates, and shares data to help understand, explain, and eventually improve the public value of investments in academic research.



**Robert Townsend** [Director of the Humanities Indicators & Director of Washington Office]

 Oversees the Washington office of the American Academy of Arts and Sciences and day-to-day work on the <u>Humanities</u> <u>Indicators</u>.

## III. Personnel (cont...)

#### Consulting -

#### **Matthew Carruthers**

#### [Metadata Engagement Librarian]

- Making recommendations on **metadata strategies** based on project requirements
- Recommending workflows, standards, and tools for metadata creation and capture.
- Assisting in the development of data models that support discovery, interoperability, and reuse.
- Assisting in the development of transformation strategies for existing metadata.

#### Data Analysis & Visualization -

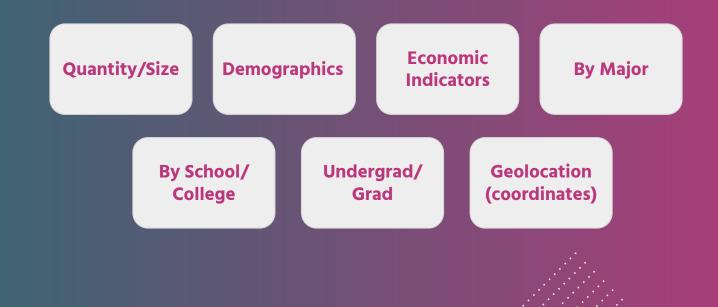
#### Akshata Karnik

#### [Graduate student MS candidate, SEAS]

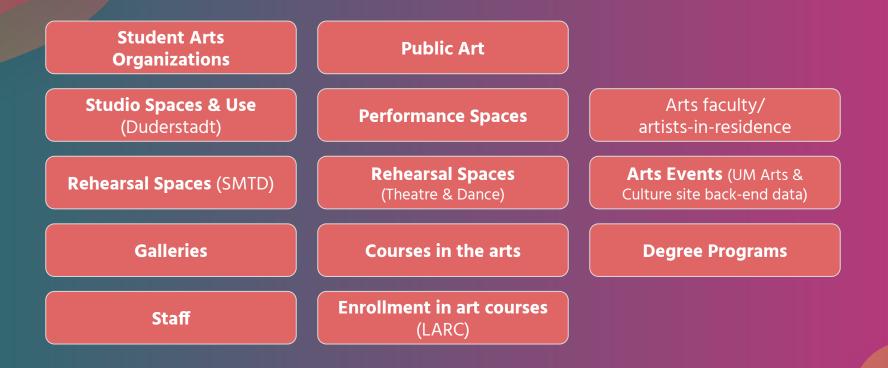
- University of Michigan
- Researcher Bombay Natural History Society
- Project Fellow, Wildlife Institute of India

## III. Methodology

Using a **mixed-methods** approach we coded assets for analysis. We will use an inductive approach beginning by collecting data that is relevant to the arts in higher education. Once we collected a substantial amount project leaders and advisors are applying a bird's eye view, identifying patterns in the data and developing theories to explain the patterns.



## **Data Sets Collected**



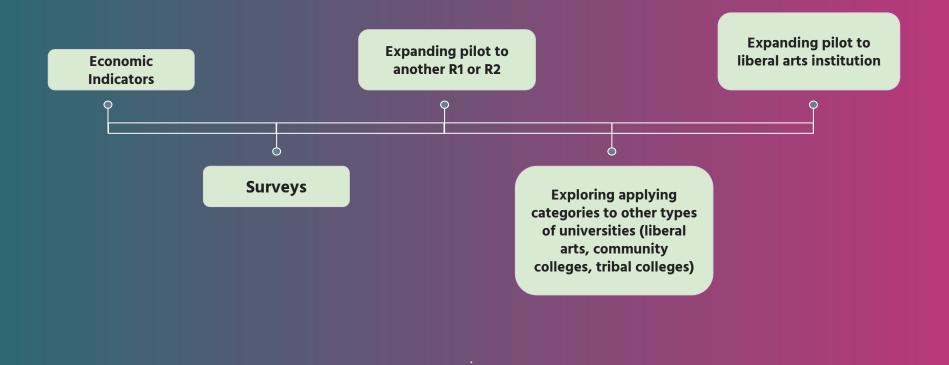
## Selected Summary Appendix of Major Known Categories

- Co-Curricular Programs in the arts
- Cross-Institutional Cooperation including the Arts
- Arts in the Curricula (Required courses in the arts, creative placemaking, etc.)
- Arts Degree Programs (BFAs, MFAs, Transdisciplinary)
- Attainment and Attrition in Arts Degrees
- Double Majors including the Arts
- Arts Assets Ephemeral (Exhibitions, Arts Festivals, Speaker Series, Journals, Artist in Residence Programs, etc.)
- Arts Assets Bricks & Mortar (Performing Arts Centers, Museums, Galleries, Presenting Arts Centers)
- Engaged Arts Assets in Surrounding Communities
- Internships
- Research
- Internal Arts Funding (Competitions, Awards, etc.)
- External Arts Funding (Sponsored Research)
- Arts Experiences (residential life, student clubs, etc.)

## IV. Categories

People	Staff, Students			
Organizations/ Centers/Groups	Student Orgs., Other (i.e. Duderstadt Center), Theatre Groups, Alumni Groups, Transdisciplinary Clusters, Scholarly Networks, Research Centers, Committees			
Programs/Courses/ Education	Undergraduate Programs, Certificate Courses, Co-curricular, Pedagogy, Projects, Internships, International Programs			
Spaces	Galleries, Museums, Libraries, Auditoriums,			
Production	Musical, Theatres			
Experiences	Music, Plays, Arts Festivals, Art Exhibits, Art Competitions, Internships, Events, Rehearsal, Dress rehearsal, Recording Session, Performance			
Art Form	Dance, Instrumental, Vocal, Recitals, Creative Writing/Literary arts, Comedy, Calligraphy, Photography, Digital Media (Film), Pedagogy, Archetc			
Monetary	Fellowships, Funding Programs			
Journal/Peer Review/Magazines	Publications, Articles			

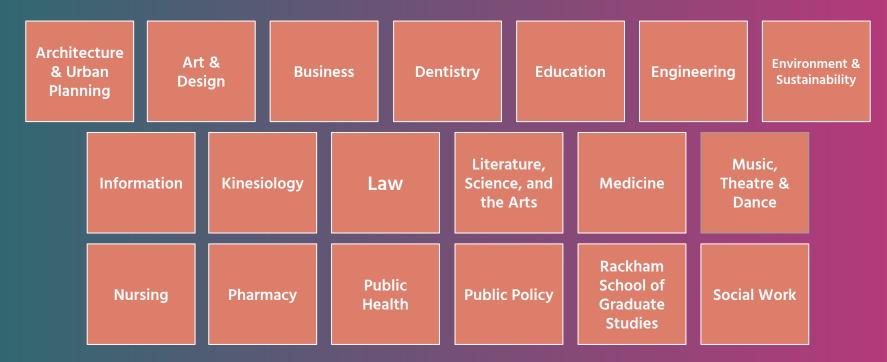
## **Later Phases**



## III. SELECTED INSIGHTS (ENROLLMENT & SPACES)

## A. ENROLLMENT

## U-M's 19 Schools and Colleges



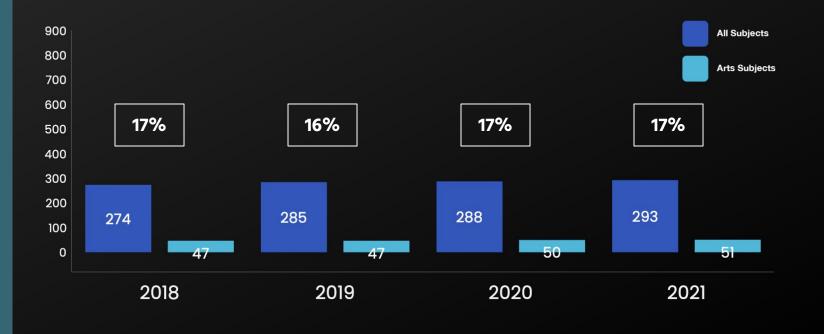


## Enrollment

#### Name of the excel sheet - all\_enrollment\_data

Name of Worksheet	Description of Data in the worksheet	Question the data could possibly answer
all_subjects	Gives a list of all the subjects that were offered by the UoM between the years 2018 - 2021	What is the control group (all courses offered at U-M)?
all_courses	A list of all the courses offered by all the subjects available at the UoM. (*Sort this data in descending order, use the top 10 subjects to see who offers the greatest number of courses)	What is the control group (all courses offered at U-M)?
all_courses_year	A list of all the courses offered by all the subjects available at the UoM between the years 2018 - 2021. (*Sort this data in descending order, use the top 10 subjects to see who offers the greatest number of course)	What is the control group (all courses offered at U-M)?
arts_subjects	A list with the number of arts subjects offered at the U-M between 2018-2021	Of this group what are the arts courses offered at U-M?

#### How many arts courses are there versus overall courses offered?



### **Enrollment in Arts Courses by Academic Group**

**Insight:** Of the 19 schools and colleges, Literature, Science & the Arts (LSA), LSA residential college, and College of Engineering were the **only non-arts schools** enrolled in arts offerings at the university in any significant numbers.

### **No** requirement for arts training in non-arts curriculums

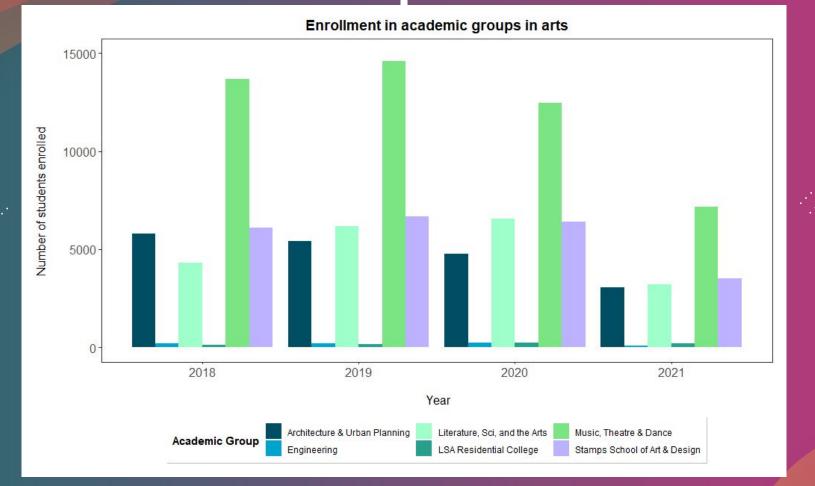
None of the schools and colleges outside of the arts colleges require arts courses but many provide the option for students to **enroll in arts courses**. For example, Ross undergraduate students may take 8 credits from across the university but eligibility is limited for certain arts courses and it can be hard to get in. Advisors say that business students that are interested in the arts will pursue a minor in the arts. From this we can tell there are **limited options** (only 8 credits and only if they can get in) for those that don't want to take on a minor.

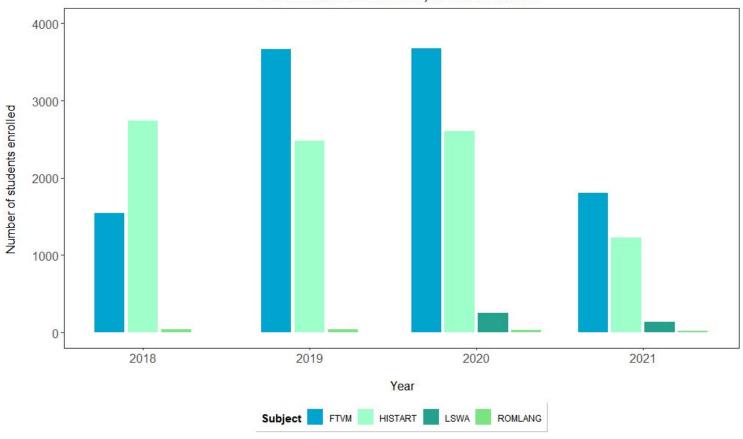
**Sample recommendation:** Ensure there are **open** and **accessible arts courses** for every school and college.

### What art courses are LSA students taking as part of the "Creative Expression" Distribution Requirements?

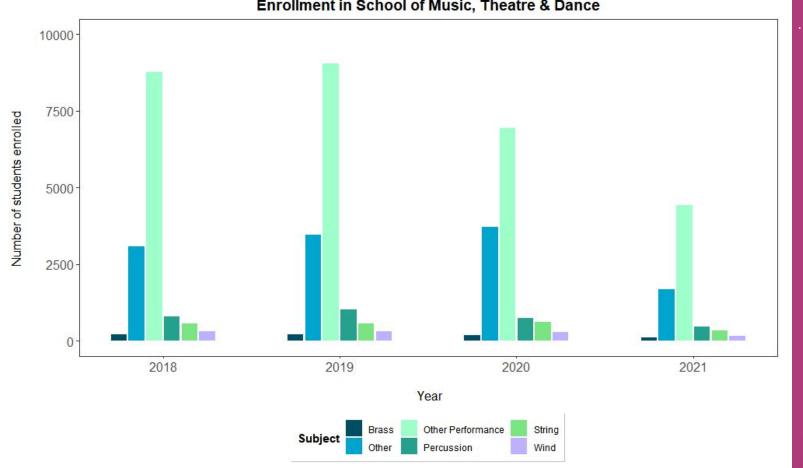
LSA are not required to take arts courses but have 8 distribution credits they *could* devote to arts training if they chose to. In addition to the core requirements, LSA Students must also complete three additional credits in three of the following five areas: **(NS)**, **(SS)**, **(HU)**, **Mathematical and Symbolic Analysis (MSA)**, and **Creative Expression (CE)**, for a total of nine credits.

Credits in courses designated **Interdisciplinary (ID)** may be used to satisfy up to nine credits of this part of the requirement.

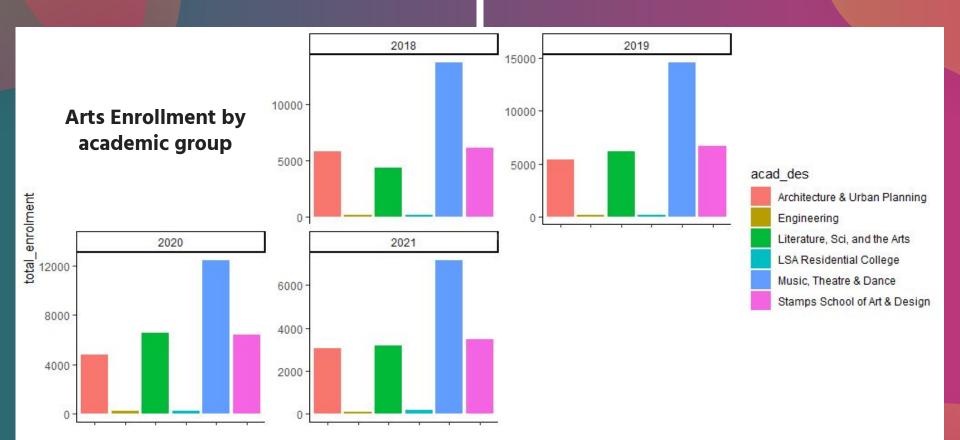




#### Enrollment in Literature, Sci and the Arts

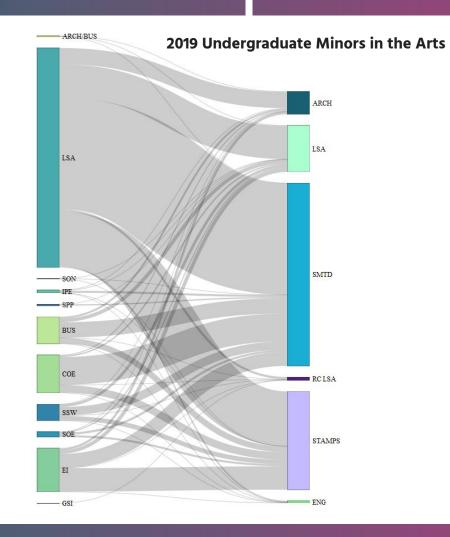


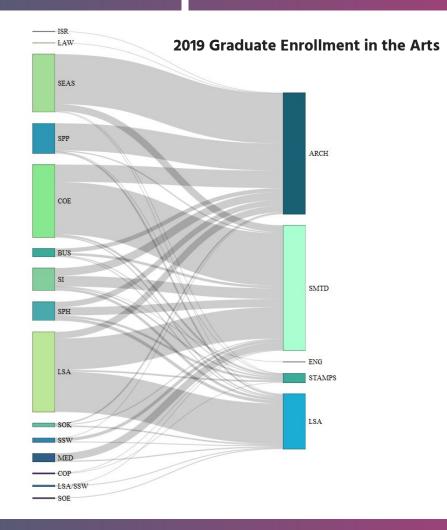
#### Enrollment in School of Music, Theatre & Dance

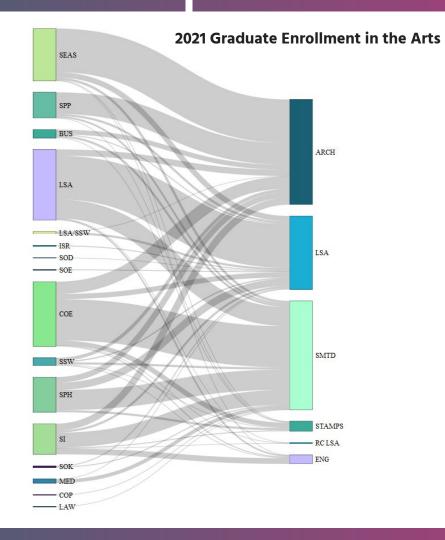


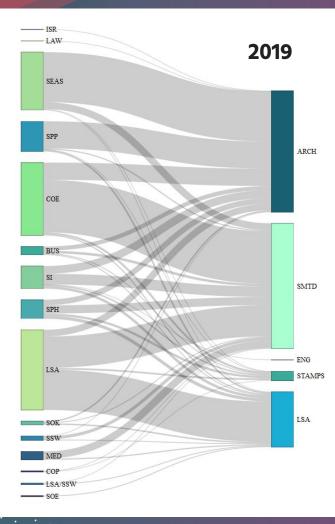
## List of non arts majors with highest enrollments in arts courses

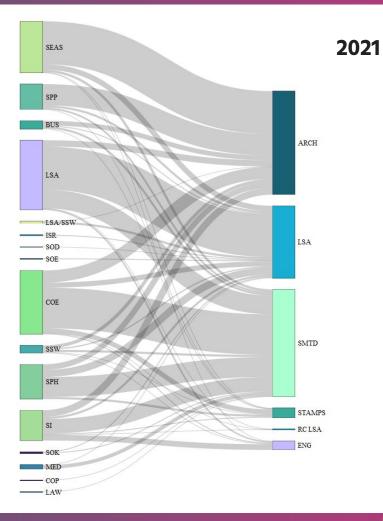
- Mechanical Engineering BSE
- Aerospace Engineering **BSE**
- Computer Engineering **BSE**
- Industrial & Oper Eng **BSE**
- Chemical Engineering **BSE**
- Sport Management **BA**
- Movement Science **BS**
- Biomedical Engineering **BSE**
- Information **BS**
- Civil Engineering **BSE**
- Nursing BS Fresh
- Environmental Engineering **BSE**
- Materials Science & Engin **BSE**





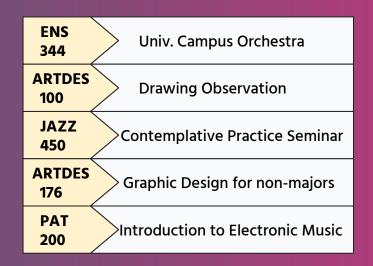






#### What are the most popular arts courses for non-majors?

DANCE 100	Introduction to Dance		
ENS 348	Marching Band		
ENS 346	Campus Band		
ARTDES 160	Stamps Lecture Series		
ARCH 357	Architecture, Sustainability, and the City		
MUSICOL 346	History of Music		

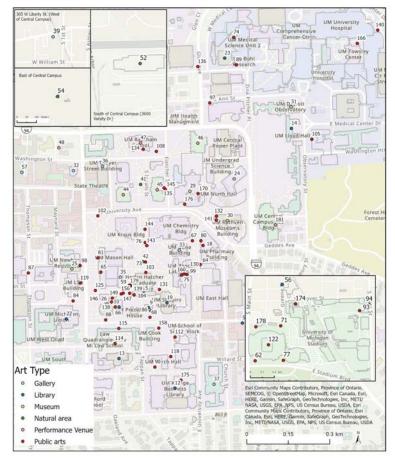


## What art courses have the highest waiting list #s (2020 & on only)

Term	Term Descr	Subject	Catalog Nbr.	Class section	1st Day Wait List Total	3rd Week Wait List Total
2370	Winter 2022	ARTDES	181 (Clay for non-majors)	001	30	15
2370	Winter 2022	ARTDES	172 (Painting for non-majors)	002	23	8
2370	Winter 2022	THTREMUS	251 (Lab in theatre production)	001	23	11
2370	Winter 2022	THTREMUS	101 (Intro to acting)	001	20	4
2320	Winter 2022	ARTDES	173 (Digital Photography)	001	19	11
2370	Winter 2022	ARTDES	174 (Watercolor)	001	19	6
2370	Winter 2022	DANCE	100 (Intro to dance-hip hop)	008	19	3
2310	Fall 2020	ΡΑΤ	200 (Intro to electronic music - non PAT majors only)	003	18	8
2320	Winter 2021	ΡΑΤ	332 (Sound Recording and Production II)	001	18	0
2360	Fall 2021	THEORY	137	001	18	3
2370	Winter 2022	ARTDES	100	002	18	4
2370	Winter 2022	ARTSADMN	472	001	18	7

## **B. SPACES**

Art Assets on University of Michigan Central Campus, Ann Arbor

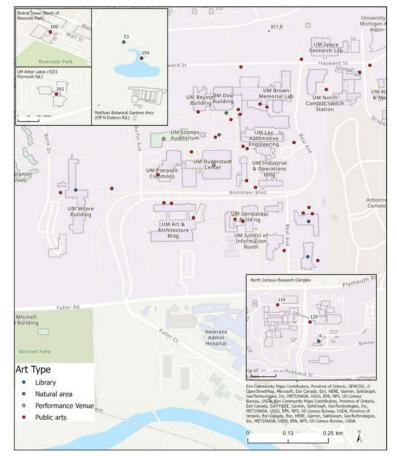


10      Fine Arts Library      87        12      Kresge Business Administration Library      88        13      Law Library      89        14      Museums Library      90        18      1100 North University Building Facade Bas Reliefs      93        19      Shapiro Science Library      94        22      Spectrum/Jim Toy Library      97        23      Taubman Health Sciences Library      98        24      U-M Museum of Actaeology      10        25      Kelsey Museum of Archaeology      10        26      U-M Museum of Dentistry      10        30      Planetarium      10        31      Detroit Observatory      10        32      Lane Hall Gallery      11        33      Art & amp; Environment Gallery      111        34      Institute for the Humanities Gallery      111        35      GalleryOAAS      111        36      Institute for the Humanities Gallery      111        37      RC Gallery      111        38      Liydia Mendelssohn Theatre      133 <t< th=""><th>I</th><th>ID Name</th><th>ID</th></t<>	I	ID Name	ID
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			178
81 Class of 1869 Memorial Rock 17	8	81 Class of 1869 Memorial Rock	179
84 Class of 1956 Fountain 18	8	84 Class of 1956 Fountain	181

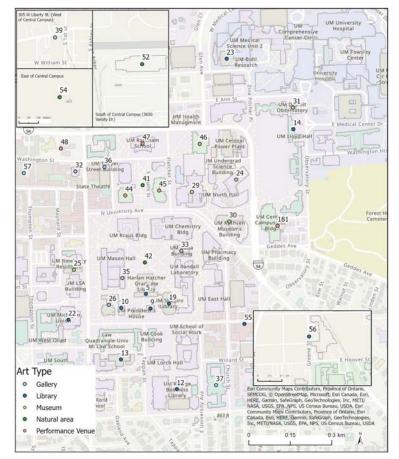
#### Name

Class of 1966 Block 'M's
Clements Library Facade Bas Reliefs
Convergence
Daedalus
Dance Cylinder
Doric Entry Portal
Ferry Field Flagpole and Memorial Plaques
Ferry Field Gate
Flame of Wisdom
Fox Memorial Window by Tiffany
G-2 (gee-minus-two)
Hamilton Fountain
Hatcher Library Facade Medallions
Haven Elm Marker (Class of 1867 Memorial)
Henry Vaughan Building (SPH I) Bas Reliefs
Holocaust Memorial
Kindred
Law Quad Flagpole and Marker
Law School Architectural Figures (Corbels)
Lorch Hall Bas Reliefs and Decorative Details
LSA Building Facade Bas Reliefs
Michigan Stadium
Orion
Positron
Professors' Monument
Pumas
Rackham Building Facade Bas Reliefs
Rampant Unicorn
Regeneration of Time
Requiem
Robert Brackett Memorial
Rotations
Ruthven Museums Facade Bas Reliefs
Scabbard and Blade Marker
Science Benches
Sea Nymph
Shang Spanish Mortar
Stiff Box No. 12
Tappan Oak and Marker (Class of 1858 Memorial)
Ternary Marker
The Lady of the Garden
The Short, Rich Life of Positronium
Two Brothers and Their Dog
Untitled (Tooth Fairy)
Wave Maker
Whalen Memorial Bench
Willoughby D. Miller Memorial
Wolverine
Xi Psi Phi Dental Fraternity Bench
Betty Pease Studio Theatre

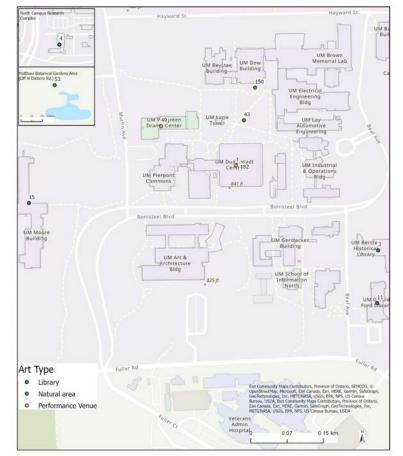
Art Assets on University of Michigan North Campus, Ann Arbor



Art Venues on University of Michigan Central Campus, Ann Arbor



Art Venues on University of Michigan North Campus, Ann Arbor



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182

#### Name

Art, Architecture & Engineering Library Bentley Historical Library UMTRI Library Gerald R. Ford Library Music Library The Grove Stamps Auditorium Matthaei Botanical Gardens Wolverine Duderstadt Center Video Studio

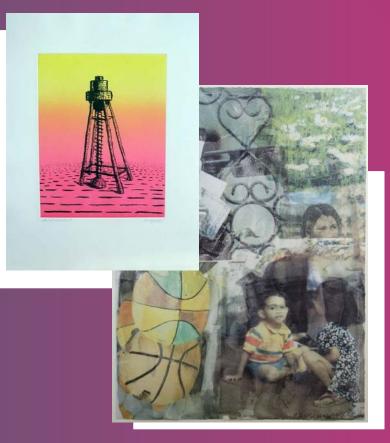
### Summary of Arts Assets by Campus



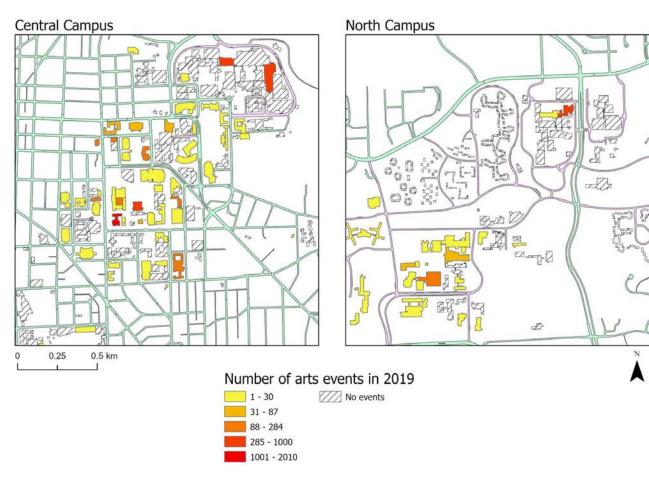
#### Almost every school & college has a gallery space

#### • Stephen M. Ross School of Business

- Ross Art Collection
- School of Public Health
  - Project S.N.A.P. mural and online art gallery
  - Weekly creative arts community workshop
- School of Dentistry
  - Sindecuse Museum of Dentistry
- College of Literature, Science, & the Arts
  - LSA institute for the Humanities gallery
- School for Environment and Sustainability
  - Art & Environment Gallery
- School of Social Work
  - Social Justice Collection
- Medical School
  - Employee Art Exhibit
  - Gifts of Art



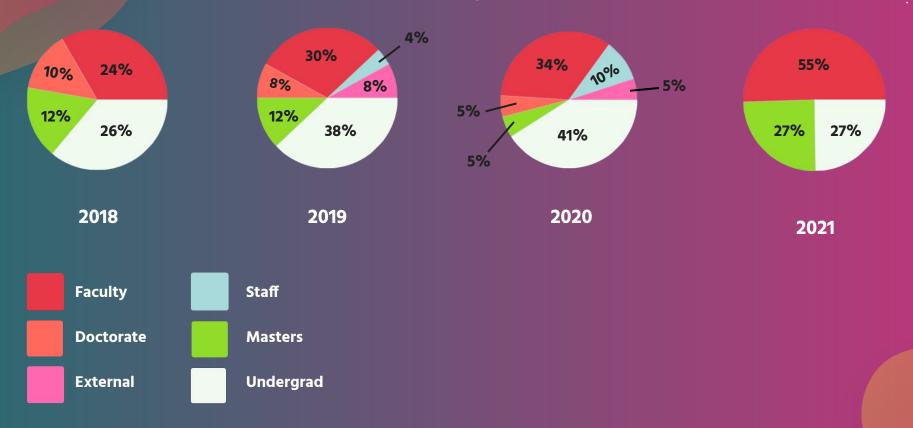
#### Art events (2019) across University of Michigan, Ann Arbor



# IV. WHERE STUDENTS/FACULTY/STAFF PRACTICE ART

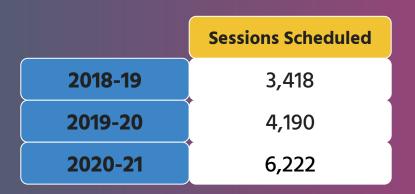
### **Duderstadt Studios**

What percentage of user?



### SMTD Space Usage 201-2021

(Tracked by SMTD, **does not include** other spaces on campus such as Duderstadt studios or other performance venues)



These spaces were used for dress rehearsals, performances, student recitals, and recording sessions. The activity that was **most often scheduled was rehearsals** 

### **Duderstadt Studios -**

From What School & College

For 2018, 2019, and 2021 Insight example 1: FY 21 the studios were in use by SMTD and Stamps. No other schools and colleges were able to use the studios.

#### Insight example 2:

FY 19 there were only two bookings for CoE, one was for recording the Dean's state of the college address and one was for a project, "Fluid Dynamics algorithms translated into dance choreography. Workshop setting for Mechanical Engineering class of 60 students."

### **Duderstadt Studios (cont...)**

The faculty percentages are high because faculty are **reserving for teaching purposes**, such as "Voice Over Acting class of approximately 15 actors" or "UM-Flint Faculty - Jazz Quartet" or in the one usage by the Kinesiology college that year, "Kinesiology movement studies class using Video Studio for motion capture." In the rare usage for community, there are projects such as "ArcPrep Green Screen Shoot (18-20 Detroit High School students)"

#### Attendance at Largest Arts Orgs.

	2017	2018	2019	2020	2021	2022	
UMS	71,3	301	54,	346			
UMMA	236,678	263,993	245,908 169,25		**	40,078 ***	
SMTD	23,370 avg. per annum						

#### **Additional Notes for Chart:**

- (2017) UMS: 18/19 (student attendance: 15,656 (22%) Class group attendance: 3,147 + 262
- (2018) UMA: 19/20: (abbreviated season, only includes events through March 3) (student attendance: 11,811 (21.7%) Class group: 2,761 + 186 who attended as part of a University student group
- (2019) UMMA: \*Closed to the public in March 2020. Data only includes the first <sup>3</sup>/<sub>4</sub> of the year
  - \*\*Closed to the public. No data
  - \*\*\*Reopened in August 2021, data through Dec 31, 2021
- (2020) SMTD: Ticketed events, avg. per year 2014-19

# **V. INVESTMENTS IN THE ARTS**

#### Federal Funding in the arts in recent years to U-M\*

- Is one of the universities a high number of creative writing/literary translation fellowships, and faculty (and at least one alumni) have received many of these competitive fellowships. Creative writing faculty in LSA garnered \$250,000 in awards **since 1998**.
- UMS has received the **most NEA funding,** garnering support nearly each year with \$540,00 earned since 1998\*\*
- U-M has been consistently funded almost every year, awarded \$763,807 since 1998, with UMMA being **one of the largest grantees**.

\*National Endowment for the Arts Stats Only \*\*Independent component, receives its own NEA grants

### **Arts Faculty & Achievement/Awards**

Approximately **650** of the 6,200 faculty are arts faculty (10%) (Stamps, Taubman, LSA, SMTD) (There are some artists in other schools and colleges who do not teach art).

### Faculty Achievement: One College

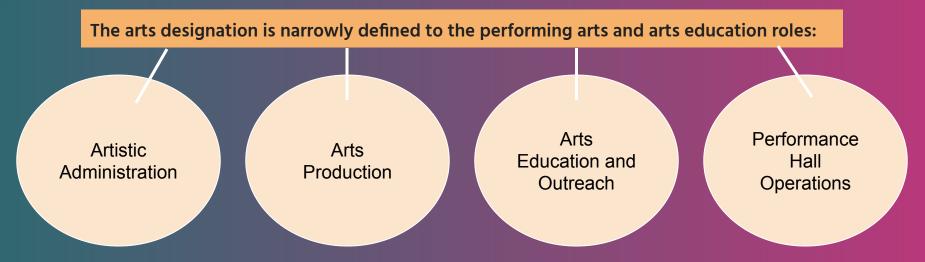
For Taubman College faculty alone they had records of:

- 1. 120 "in-progress" funded projects
- 2. 47 submitted for review
- 3. With award amounts listed
- 4. The college had similar uniformly categorized lists for service and scholarly work

Data from 2015 to the present

### Staff

• Roughly **38,000 employees** - but difficult to account for which staff are designated arts staff



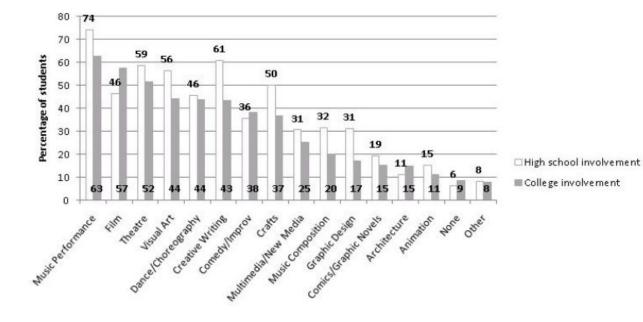
This would have to be a survey item: "85% of my effort is arts related y/n"

#### Extra-Curricular (Student Arts Organizations)

There are **242 student arts organizations 16% of total overall student organizations** (1502). By coding the arts organizations, we have coded them by type of art and other trends. We found that many student arts groups were founded by non-arts majors. The clubs range from professional interests, to purposes for leisure, for culture bearers/heritage preservation, to activism. We have more detailed data on these secondary tags for the arts organizations and the organizations at large.

Other arts	52	
Dance	48	
Music (general)	14	
Creative Writing	13	
Voice	12	
Other theater	7	
Other craft	6	
Arts Education	5	
Theatre	5	
Fashion Design	4	
Musical theater	4	
Animation, Choral, Music Therapy, Other music perf., percussion, television & radio	3	Those with 3 ea.
Jazz studies, music education, other design, performing arts management	2	Those with 2 ea.
Painting, photography, recording arts, playwriting, music business, Music composition and theory, media arts (general), Keyboard, Percussion, Strings, Woodwind, fine & studio arts, Industrial product design, guitar, Game Art/Game Design, Design & Visual Communications, architecture, art therapy, ceramics	1	Those with only 1 ea.

#### Initial Analysis Comparison of High School and College Involvement

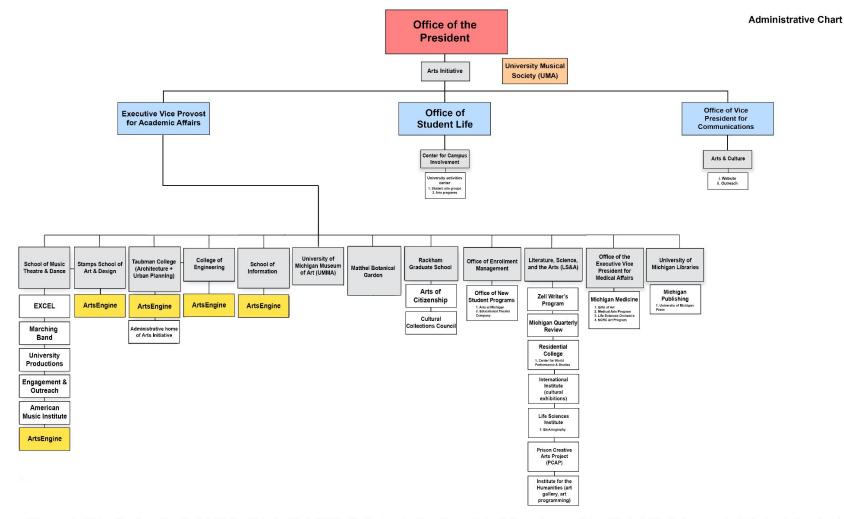


Are there enough opportunities for those who want them ?

# Arts, Administratively

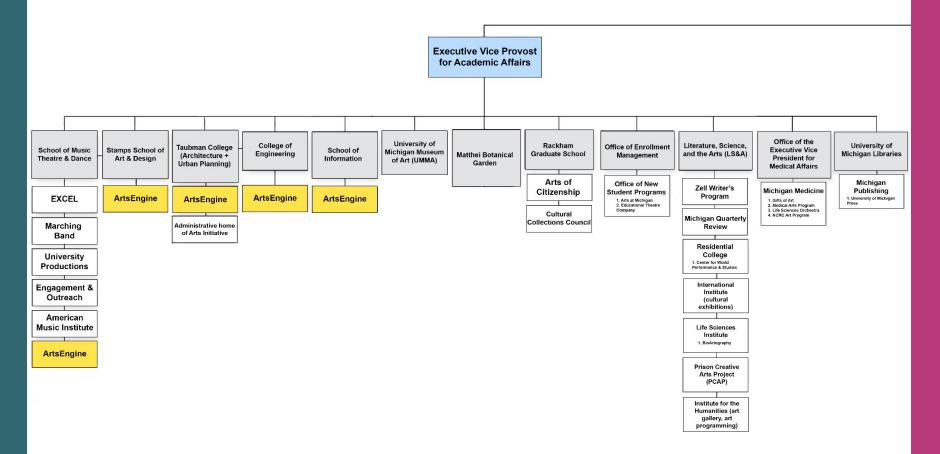


- 5 academic schools & colleges + 1 department
- **25** arts organizations



\* Please note: All departments are from the Arts&Culture Website \* Most of U-M's 19 schools and colleges have galleries that are not represented on this chart; this chart represents a higher level of investment

#### Administrative Chart



### Arts at Michigan



Arts at Michigan's mission is to **connect students with the arts, regardless of major**. They also have taken on the work of helping faculty create arts integrated courses. They are also a coordinating force for arts staff on campus to collaborate and share resources.

This photo, titled "Seasons Meet" by **Janet Azar**, a senior engineering student, **took first place** in the most recent **Arts at Michigan photo competition**. Conducted periodically throughout the year, each competition features a different theme — this one was "*Connection*." <u>View this and other "As I</u> <u>See It" finalists.</u> (from the Record, February 2022)

### Arts at Michigan Data

- Student Mini-Grant Tracking data
- Student Mini-Grant Feedback data (Applicant)
- Student Mini-Grant Feedback data (Participant)
- Course Connections Tracking data
- Course Connections Feedback data (Faculty)
- Course Connections Feedback data (Student)
- Passport to the Arts data 2018-2019
- Passport to the Arts Feedback 2018-2019

#### ArtsEngage! Staff Group

In cooperation with UMMA, they also organize staff who work to engage students with the arts at the university, with 39 members in a working group to coordinate activities.

#### Active departments include:

a2ru ArtsEngine		Lloyd Scholars	Michigan Union			К	Kelsey Museum		
		for Writing and the Arts	Ticket Office (MUTO)				University Library		
	Arts at Michigan	LSA Dept. of African-American Studies		Prison Creative Arts Project (PCAP)				UMMA	
	Center for World			Residential			mps School of rt and Design		
	Performance Studies	LSA History of Art		SMTD	UMS			versity Activities nter (UAC), U-M	
Duderstadt Center		LSA Humanities Institute		Stamps Gallery			Educations Theatre Company (UMetc)		

# **VI. CONCLUSION & QUESTIONS**

## Challenges

Lack of uniform data:

- Rehearsal & studio spaces (**No centralized reservation system**; pen & paper or calendar entries
- Faculty achievement & art funding (with the exception of architecture school)
- Arts staff (mixed in with general administrative)

Waiting list data "wiped" after one semester

No way to account for demand for rehearsal and studio space - other than anecdotal

All these things will have to be surveyed. What are the best practices that can come out of this project for "accounting" for the arts on campus?

No metadata standards for the arts on campus.

#### **3 Stages to Project**

#### **Draft Schema:**

Draft arts asset categories, identify what is already being measured and gaps in coverage, surface available and missing data on these categories, develop schema, and produce a census report on U-M assets and the processes of identifying and measuring them.

#### **Revise and Test Schema:**

Convene workshops/focus groups with advisors and thought partners to revise categories of arts assets. Apply and test pilot census with multiple higher education sites.

#### **Scale Schema**

Scale up census to a broader range of institutions, while developing hypotheses of relationships between groupings of arts assets and quantifiable impacts of the arts for individuals, universities, and communities.



3



### **Questions to Explore for Replicability**

- What enrollment data is available on your campus?
- Does arts and culture performance data exist in a way that is centralized and saved as data (such as an XML file from a website)?
- Will faculty "buy into" reporting their achievements?
- Does the student life office have good records that can be analyzed?
- Is there a campus-wide climate culture survey to leverage for these insights?



# Thank you.

Maryrose Flanigan Executive Director A2ru.org flanigam@umich.edu

Designer: Jenny Suh linkedin.com/in/jenny-suh-092199b/ Alison Rivett Associate Director artsinitiative.umich.edu alibyrne@umich.edu

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