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APTrust 2025 Fall Membership Meeting

<u>Sheraton Suites, Chicago O'Hare Airport</u>, 6501 Mannheim Rd, Rosemont, IL 60018. **All meetings will take place in the Chicago 1 room**. Food will be served in the atrium.

Day 1: Thursday, October 16, 9:30 am-5 pm CDT

Online Facilitators: Moira Stockton, Flavia Ruffner, Melissa Iori Zoom Link | Slack Channel | Recording 1 & Recording 2 (see times in agenda)

| Time | Topic | Lead/Facilitator |
|------|-------|------------------|
|------|-------|------------------|

| 8:30-9:30 AM | Breakfast & Networking | |
|----------------------|--|--|
| 9:30-9:45 AM | Welcome and Overview* (R1 00:00:00) | Nathan Tallman |
| 9:45-10:15 AM | State of APTrust* (R1 00:15:39) | Nathan Tallman |
| 10:15-10:30 AM | Morning Snack Break | |
| 10:30-11:15 AM | Technical Update* (R1 01:00:52) | Melissa Iori, Flavia Ruffner |
| 11:15 AM-12:30 PM | Strategic Planning & Reserve Fund Spend Down Plan* (R1 01:45:01) | Nathan Tallman, Kevin Hebert, Alex Kinnaman |
| 12:30-1:30 PM | Lunch & Networking | |
| 1:30-3:15 PM | Member Lightning Talks* (R1 04:00:30) | |
| 3:15-3:30 PM | Afternoon Snack Break | |
| 3:30-4:15 PM | Preservation Storage Criteria* (R2 00:09:30) | Flavia Ruffner, Nathan Tallman |
| 4:15-5 PM | Fiscal Stewardship, Fees, Elevator Speeches* (R2 00:55:15) | Nathan Tallman, Josh Westgard |
| 6 PM | Optional social hour in hotel bar FLIGHT | |

Presentation links will be added to the agenda after they occur.

^{*} Will be recorded.

Day 2: Friday, October 17, 9:30 am-12:30 pm CDT

Online Facilitators: Moira Stockton, Flavia Ruffner, Melissa Iori Zoom Link | Slack Channel | Recording (see times in agenda)

| Time | Торіс | Lead |
|----------------------|--|--------------------------------------|
| 8:30-9:30 AM | Breakfast & Networking | |
| 9:25 AM | Group and Zoom Photos | |
| 9:30-10:15 AM | Guest Speaker: Recollection Wisconsin (00:00:00)* | Scott Prater, Ann Hanlon |
| 10:15-10:30 AM | Morning Snack Break | |
| 10:30-11:15 AM | Designated Communities and Representation Information* (00:57:12) | Dina Sokolova, Rachel Gattermeyer |
| 11:15 AM-12:15 PM | Breakout Session 1: Creating and Managing Associate Memberships | Kara McClurken |
| | Breakout Session 2: Preserving Metadata and Managing Preservation Metadata | Kevin Hebert |
| | Online Breakout Session: Deciding How to Model Digital Objects | Bethann Rea, John Weise |
| 12:15-12:30 PM | Report outs and Wrap Up | |
| | Boxed lunches will be available to take with you. | |

Presentation links will be added to the agenda after they occur.

Meeting Feedback Survey (Will also be emailed to the Google Group for the meeting.)

Meeting Photo Album (Contact Nathan if you'd like to be added to contribute photos.)

^{*} Will be recorded.

Notes

Notetakers:

Day 1

Welcome & Overview

- REMIND FACILITATORS TO RECORD!
- 23rd Member meeting! (Someone else verify this please)
- Excited for Melissa's first Member Meeting with us
- This meeting is entirely produced by APTrust, invested in our own production equipment to make this possible
 - Need more dongles
- Land Acknowledgement
- Overview of Emergency Exits for in-person attendees
- Housekeeping
- Please help with Community Notetaking!
- Google Photos album again, please contribute!
- Overview of the meeting agenda
- Want to help plan the next meeting?
 - New working group to help plan member meeting?
 - Tell Nathan if interested

State of APTrust

- Attending relevant conferences is useful for recruitment in a non-vendor way, both on behalf of APT and as members presenting at conferences. There's more competition than there used to be - recent trips have more vendors that have "digital preservation" somewhere in their services (although not as transparent as to what that means in their service)
- APTrust is kind of a vendor, but kind of not (since non-profit)
- No new sustaining members since last member meeting, but multiple sustaining members in conversations to add new associate members
 - Bradley often commented that there is a middle ground for ideal membership numbers to sustain - what is Nathan's take on the ideal membership number?
 - We aren't achieving cost recovery, particularly with funding shifts from UVA, and some growth will be necessary.
 - More members means a lower membership fee.
 - Other revenue areas to explore, e.g. being a storage option for Internet Archive
 - Realistically can only sustain losses for a few years drawing into the reserve too frequently will reduce that timeline. We can't rely on only membership growth to sustain. The Board is aware and prioritizing this work, they are surprisingly positive

- Deposit highlights
 - 640.7TB unique data (up 21.8 TB from Spring meeting!)
 - 469k+ objects, 40k+ files, 550k+ events
 - Rapid increase in deposits from January 2024 in some cases we need to scale for larger deposits/restoration and will need a manual intervention, but that doesn't hinder the processes
 - NCSU coming in hot with over 4.6TB in deposits since May, and U of Maryland is still in the lead for overall deposits with U of Michigan catching up. Boston College, the newest member in the top 5, coming in with 35.9TB

Staffing

- Welcome Melissa Iori, Lead Developer!
- A huge thank you to the entire APTrust team: Flavia, Melissa, Dina, Andrew, and Nathan
- Budget Report FY26 as of September 10, 2025
 - Budget: Expecting a loss this year (and probably a couple years) as we establish a new fee schedule
- DPC membership benefit changes
 - DPC is establishing internal guidance for consortial member benefits
 - Increasing equity in services and benefits to their different membership levels while balancing sustainability and membership growth, especially in DPC Americas want a ratio of benefits
 - Other geographically remote locations cannot grow membership
 - Changes take effect in January 2026
 - o APTrust is the DPC member. APT members will not inherit DPC membership.
 - There are orgs with multiple DPC memberships, for different parts of the org to obtain sufficient access for their staff
 - 3-seat limit at live events (there may be some rare exceptions for hybrid events)
 - Technically not a change, but we've been able to send up to 5 people
 - Seats will be limited to 1) Governance and Group Co-Chairs, and 2) APT Staff
 - What if these folks don't take advantage and attend? Then those seats will be empty, this is a firm rule
 - Includes in-person, online, and hybrid events, including workshops, webinars, and special interest groups
 - DPC website logins will be reviewed and will also be limited -- they record all events for future watching
- DPC Membership benefits retained
 - Access to DPConnect, DPClinics, Community Supported Workflows series.
 - Membership demonstrates APT leadership in the community and financially contributes to the many free resources DPC provides to all, including RAM, Novice to Know-How, Tech Watch Reports + guidance notes, and well as some popular open webinars

- As a full member, APT helps to direct the work of the DPC and set priorities for their global efforts through the Representative Council. APT has direct representation on the DPC Board (Nathan)
- APT is entitled to 5-day of consulting per year

Benefit Change Impacts

- Nathan will stop forwarding DPC Digest since most members will not be able to participate (although folks with website logins can still access recordings
 - Comments: I'd prefer to keep getting them; I'd prefer not getting them; it's not a big enough hit to justify the cost of a DPC membership for my org
- APT encourages members to consider joining the DPC to retain access to live programming
- APT is in year 2 of a 3-year membership term which ends July 2027

Listening Tour 2026

- In addition to current members, Nathan also visited GMU (considering joining), touched base with U of Maryland's USMAI, met with a connection at Digital Bedrock
- 10 members visited, 4 more to visit this year

Conference Report

- o SAA 2025
 - Chaired a DART panel with 250 people signed up
 - Michael Dulock spoke on CU Boulder's use of DART
 - Chelsea Denault spoke on how MDPN uses DART
 - Rockefeller Archive Center Users DART
- Kuala Academy Launch: Symposium on Truth, Knowledge, & Society
 - Nathan attended at the request and dime of DPC
 - First-time event; spoke to a few folks about APT but not sure the Canadian market is as interested in APT

NDSA DigiPres

- Nathan and Kara McClurken presenting about inclusive digital preservation and Associate Memberships
- Stacey Jones is presenting on a people-centered approach to digital preservation assessment
- Grayson Murphy is presenting on Archivematica-produced METS for format analysis
- Lance Stuchell is presenting on creating a shared digital preservation vision at Michigan

o iPres 2025

- Nathan and Flavia co-delivering a workshop with CDL's Eric Lopatin on cloud-based digital preservation
- Michael Runyon and Flavia presenting on disaster planning and digital preservation
- Alex Kinnanmon and colleague presenting a paper on multimodal preservation
- Shelly Black is co-presenting a paper on sustaining community

- collaborations.
- Stacey Jones is presenting 2 papers on Digital POWRR.
- Anyone else?
- Please fill out Michael Runyon's APTrust Research Form if you want your research to be represented on the APTrust website! Or in a blog post for World Digital Preservation
- Internet2 Technology Exchange
 - Flavia is presenting about APTrust's cost modeling efforts and how they and FinOps are helping to shape a sustainable strategy
- CNI Fall 2025
 - Nathan is collaborating with Anna Perricci, Courtney Mumma, and Alex Kinnaman on a proposal
- Our Future Memory: https://ourfuturememory.org/
 - Organization looking for GLAm orgs to sign their statement on Rights and Principles of digital collection and preservation. We have not committed to signing, but would like to hear from folks on what they think, especially given that topics like this could become polarized.
- Congrats to Tyler Walter, Dean of Virginia Tech University Libraries and APT Board Chair on being named the recipient of the NDSA 2025 Excellence Award

Technical Update

- Major kudos to Melissa for hitting the ground running!
- Ingests!
 - 9% growth since January 1, 2025 55TB of growth
 - Total storage: 880.5 TB
 - Nearing a PB and programs are still scaling
- Strategic Roadmap
 - o Roadmap
 - Soliciting feedback from membership for 2026 roadmap
- Applications
 - o DART3
 - Built with Go, with an eye toward long-term maintainability and support
 - DART3 shares proven Go code with partner tools and dart-runner
 - First alpha release was hard to install
 - New features coming
 - https://github.come/APTrust/dart
 - Registry
 - MFA: Authenticator Apps and Passkeys will be new, opt-in methods.
 Using 2FA increases account security. Authy method will be removed
 - New authenticator apps Google Authenticator, Duo, BYO app
 - New Passkeys use your device as a factor of authentication, but WILL NOT replace your password
 - New Fixity Alerter feature added in August!

- In the event of a fixity check failure, admins will receive an email alert
- Fixity postmortem shows the importance of testing
- Deployed to production, more details forthcoming
- Scaling back the database with optimizations cost savings
- Compressing PREMIS data
- Preservation Services
 - Fix to allow non-standard characters in file names
 - Retaining file modification time for newly ingest files can view the last modified timestamp for files in Registry
 - If the file was last ingested before August 2025, this data will not show, it is not retroactive
 - Updating dependencies
- System Maintenance and Regression Testing
 - Fix to show correct object size on Work Item
 - Dependency updates NSQ, etc
 - Testing functionality
 - We test functionality thoroughly for regression before upgrading
 - We add unit tests, integration tests, end-to-end tests to ensure continuity
 - This is part of our process to keep the codebase stable and minimize new bugs

Devops

- Wasabi Retirement
 - All wasabi content has been deleted from all APT environments
 - ePLus has been notified of our intent to not continue
 - We have a checklist to dismantle all wasabi assets
 - We anticipate an end of the year wrap on the account
- Technical Debt
 - Database (RDS) upgrade from Postgres 13 to 17
 - Postgres reach End of Life and require upgrade
 - Additional DB migrations also took place
 - Bastion host and Cloudformation template upgrades
 - Bastion hosts are the little servers as our login points to the cloud environment, regulate IPs
 - Underlying OS's EOL and required complete rebuilds/upgrades, took a while but managed to do this seamlessly; better tracking who is logging in
 - Deprecated Templates required template updates
 - Implemented SSM capabilities for users adding security
 - Identifying Legacy S3 buckets and content
 - Many buckets were identified and content reviewed, added to a list to be deleted in a ticket
 - Reducing costs where we can/should
 - Cleanup and updating configurations, removing legacy resources
 - Unused Private VPC endpoints, e.g. NAT gateways to use Wasabi

- New config for a number of AWS monitoring services and alerts
- Logging modifications
- Identifying cost savings and new resources for the future
 - New base images and storage types for RDS (databases)
 - Options for Reserve Instances (RI)
 - Storage options that save us \$500/year
 - Exploring Savings Plans
- Technical Debt: A Request
 - Please consider turning off any service on demo you don't require beyond discovery
 - Spot checks
 - Automated tests for uploads
 - Delete your old content on Demo
 - Test uploads might still be in place, which costs us storage
 - APT staff are happy to do the batch deletions with you
 - Want to develop a good process for refreshing demo that we currently don't have
 - All will help keep costs down
- Preservation Storage Updates
 - Storage criteria have been curated into a requirements list
 - Based on DPC PReservation Storage requirements
 - Additional Cloud Security Alliance requirements
 - APTrust specific needs for management and support
 - Preservation Storage Work Group formed
 - WG reviewed the curated list with feedback, feedback will be presented here
 - Thanks to all the volunteers
 - Important considerations for now and future
 - ISO 27001 certification?
 - What types of requirements do your institutions have to store what they deem sensitive data/data that needs to be protected?
 - Topic of sensitive data is complex, will require more discussions with members
 - Exploring membership wishlists and requirements live
 - If you dream it, speak it!
 - Think about top needs and concerns
- Cloud Updates
 - Four Points Technology Migration update
 - UVA purchases AWS services through the Internet2 contract
 - DLT has been the negotiated SP for the internet2 contract (and everyone hates it)
 - 4 Points is an added Internet2 SP and UVA is working on a new contract for 4 Points - hoping a ~4% cost savings
 - APTrust plans to migrate to 4 Points and is exploring all paths

- APT currently contracts directly with DLT via UVA Procurement
- UVA ITS may or may not be the only path
- S3 PPA (Private Purchasing Agreement)
 - Met with UVA ITS in early August to discuss opportunity no follow up
 - Met with UVA Lib to discuss coordinating and the opportunity
 - To maximize success requires coordinating with other big S3 users at UVA and will not happen until after the 4 Points migration
 - APTrust is 50% of the storage at/through UVA; it will be based on growth patterns; may not be a long-term contract, but even a few years would help

Security

- APT Credentials Audit: systems and staff refresh and updates
 - As part of the Tech Debt Quarter on the 2025 Roadmap, and audit was performed
 - All identified users and credentials were viewed for their age, if they were required, and a brief risk analysis
 - Users and credentials were updated or deleted based on these findings
 - In some cases new lesser privileged users were created to follow the Principle of Least Privilege
 - This process is complete!
 - Next phase will be to generate a new Master Password List in a failover location off AWS to provide redundancy
- Incidents: postmortem for fixity failure with impacted members
 - August 21, 2025 postmortem conducted with member experiencing a series of fixity failures in May 2025
 - May 7, 2025 3 UMich files failed fixity checks
 - Andrew determine 2 objects composed of 5 files were impacted; 2 with GT, and 3 with UMich. 4 of the 5 were bag tag files, 1 was a payload file
 - In each case the depositor ingested a bag, specifying one storage option, then ingested the bag specifying a different storage option
 - Flaw in the code prevented the system from changing the storage option on the reingests to match the original storage option
 - Result was two copies of the files in two different preservation buckets.
 Ingest worker recorded the checksums of the new files, but Registry was still pointing to the old copies of the files
 - When APT ran a fixity check, we calculated the checksum on the old copy of the file and compared to the checksum of the new copy. These checksums did not match, and we recorded fixity failures
 - Communication with members
 - UMich was able to recover proactively by deleting and replacing the impacted bags

- Nathan worked with GT to delete impact files and objects and replace with a new object name
- Andrew did extensive research to backtrace and understand the flaw
- Altering code has been implemented, generated logs, sending emails to impacted members and APT Admins - still a few things to tweak
- Participation by our impacted members helped understanding their workflows better and how the incident impacted them specifically. We also learned more about where there might be some knowledge gaps and how we can improve our documentation and possibly alerting.
- Question: UMich reported the incident, and APT discovered GT what happened?
 - Reported in the Fixity section of Registry. APT doesn't regularly check this manually and assumed emails were being sent. The scope of the problem was wider than anticipated, and was able to see if the same pattern was happening elsewhere.
- Comment: The process in place for re-ingesting bags is tricky, there's potential for things to go wrong. This could be an area for the tech team to focus on to protect data integrity
 - And should we reject the ingest is a re-ingest comes in for a second location; could add a page to the User Guide with instructions; also didn't get to this part on the Roadmap this year to be able to move content to/from different storage areas
- Incidents: May email SES User Update
 - Postmortem completed this summer
 - Method of compromise was discovered recently
 - Human error accidentally pushed a script previously used into a public repo on GitLab that hosts a utilities directory for useful scripts before removing the secrets
 - Secrets detection was not turned on and that left another vulnerability.
 - Mitigation was a secrets detection pipeline was generated to detect secrets and create reports at runtime to check for secrets.
 - Gitlab ultimate has additional features that can actively prevent spills from happening.
- Certification from ISC2 in Cybersecurity
 - Flavia received
 - Program is free! Part of the One Million Certified ISC2 program, free online training for 180 days (although additional books, time is necessary to pass)
- Flavia can send additional resources!
- The International Information System Security Certification Consortium (ISC2) provides different security certifications with the most famous being the CISSP. I recently sat for the CC exam above and passed.

- Part of the One Million Certified ISC2 <u>program</u>.
 - Free Exam
 - Free Online Training for 180 days. This is NOT sufficient to pass.
- Was very useful for Flavia at APTrust because of the very solid focus on Business Continuity, Disaster Recovery, and the Risk Management Process.
 - Ongoing work with Michael Runyon and hopefully our Security Workgroup.
 - o A refresher on other technical content.
 - A course that could provide Preservationists an introduction to Information and Cyber Security Process.ely
 - Roadmap
 - Roadmap is public
 - Need input from membership for 2026 Roadmap
 - o Categories: Software, Infrastructure, Security/Risk/Disaster Planning
 - Survey will be sent out in ~2 weeks in late Oct/early Nov to help narrow down the topics
 - o 2 virtual focus groups save the date
 - November 18 at 11am-12:30pm
 - November 20 at 1pm-2:30pm
 - Will integrate staff priorities as well!

Strategic Planning and Reserve Fund Spend Down Plan

- 3 year vs. 5 year plan
 - 3 year plan is smaller but targeted
- 3-year plan over a 5-year plan
 - Unless we use the "strategic framework" approach which has been trending.
 - o A strategic framework is a more dynamic, flexible, and adaptable approach.
 - It also takes longer to create and more work to implement.
- Smaller, but targeted.
 - Can't do as much in 3 years.
 - High levels of uncertainty.
- Still needs to be measurable.
 - But can we measure everything?
 - Are some things simply binary as opposed to a metric?

Vision and Mission Statements

- Vision: Collaborative preservation and stewardship of the scholarly and digital cultural record.
- Mission: The Academic Preservation Trust (APTrust) is a consortium committed to sustaining secure, diverse, and open digital infrastructure to preserve the scholarly and digital cultural record. Our members collaborate to overcome complex sociotechnical and fiscal challenges to preservation.

These were approved in April 2024, next review date is April 2027.

Ideas that we have discussed over last 2 years-Pick up your top one or two things

- Security
 - Ability to support sensitive data deposits or guidance on how to do it now
 - Identity and access management
 - Risk management
- Technical
 - Storage diversification
 - Reporting
 - Accessibility–promoting interoperable metadata
- Fiduciary
 - Sunset playbook
 - Revenue diversification
 - Disaster recovery and business continuity—developing/testing
 - Storage cost calculator
- Process
- We will be using a tool called PlanPerfect.
 - Tool for nonprofits created by former nonprofit CEO.
- It will include asynchronous and synchronous components.
- Hoping to conclude by end of year, but may stretch a bit into 2026



• 6 Phases

Phase 1: Planning

- Review of current/known
- Guiding Principles
- Kick off (Today!)

Phase 2: Access and Gather Input

- Surveys, interviews, and possible focus groups
- SWOT

Phase 3: Create

Start drafting sections of plan

Phase 4: Review and refine

- First draft
- Consultation and feedback
- Revise/iterate

Phase 5: Implement

- Final draft
- Any final revisions
- Governance approval

Phase 6: Monitor and Adapt

- Identify success metrics
- Create condensed version for website
- Guiding Principles
 - Openness and Transparency
 - Participation and Inclusion
 - Accountability
 - Mission and Values Alignment
 - Evidence-Informed Decision-Making
 - Sustainability
 - Collaboration
 - Continuous Learning and Adaptability
- First Slido Survey: What is one word that describes APTrust today?
 - Top responses include: Trustworthy, Community, Collaborative, Consistent, Solid, Transparent, Reliable
- Survey Time! http://bit.ly/3WpyhLH From Plan Perfect
- APTrust Reserve Fund Budget
 - Our Reserve Fund target balance is \$1,469,245 to cover an 18-month wind-down and provide a small amount of business development funding.
 - The Reserve Fund Budget was passed in May 2025.
 - Our MOU with UVA Libraries obliges us to develop a plan to spend down for excess reserves.
 - Our current reserve level is \$2,193,619, projected to be \$2,070,402 by July 1, 2026.
 - Remember, we will take time to introduce a new fee schedule, so we may have another year with a loss.
 - We have between \$500-600K in excess reserves to re-invest into APTrust.
 - But we will also dip into this during the next couple of years with planned budget deficits.
- Spending Down Reserves
 - We don't have to spend these all at once or even within a year!
 - We've had some discussions about potential ways to use this money over the

- past year. Ideas have included:
- Accessibility improvements (mandated by Federal Law, we have been asked for VPATs)
- Systems integrations (ArchivesSpace, Archivematica, and more)
- Start-up funding for new staff position (Service Manager)
- Research and development (Research Agenda)
- Donations/sponsorship of affiliated organizations (NDSA, BitCurator Consortium, POWRR)
- A new strategic plan may also present additional opportunities for investment.
- Today, we aren't making final decisions, but collecting more data and measuring specific interests.

Second Slido poll

- Select your 3 top ideas (from those already suggested)
 - Choices are: Accessibility improvements, Donations/sponsorships, Systems Integrations, Research and development, Start-up funding for staffing
 - The top three on the poll: Accessibility improvements, Systems integration, Research and development
- The Next Question is not Audience Q&A!
 - Slido doesn't have a poll option where folks can upvote, so the next slide is labeled as an Audience Q&A.
 - But instead of posting questions, post other ideas for spending down reserves and upvote ideas you support.
 - These can be ideas stemming for our strategic planning conversation or completely new ideas.
 - Questions and discussion around Title II compliance
 - We could outsource portions of the work necessary to update public and internal interfaces, e.g. Registry, User Guide, website

Member Lightning Talks

- Boston College
 - 8.75TB added since September 2024
 - Renewed collaboration with Library's scanning department, IT, Special Collections
 - o Internal discussions on how to handle 7TB of Irish Music AV files
 - First Associate Member: Catholic Research Archives opened this spring and brings together materials from religious orders across the US that have closed/are in the process of closing. Looking to get some equipment for them to digitize, retrieve data from external storage; amount of content is unknown, they've processed 30 collections with 20 to go

UAB

- Implemented locally hosted instance of Archivematica on a Linux machine in the digital imaging lab and connected to a NAS
- Ingested entire preservation catalog, ~16k digital items using a script utilizing Archivematica API
- 2 digipres storage systems via APT and Archivematica

- Exploring a preservation metadata database
- Video digitization system, currently VHS
- Working with Archives and historical collection to build a digital archiving program
 historically done done here and not under Grayson's purview, but working to advocate for this program to build out more collections
- Case Western Reserve University
 - o 2nd member meeting attended!
 - I dare someone to ask Alyssa about Beowulf
 - Digital Preservation Program
 - Nonexistent prior to Alyssa
 - 20 year digitization backlog, unknown amount of born-digital material
 - Briefly joined MetaArchive prior to their sunset
 - Digipres Strategy
 - Monographs and serials go to HathiTrust
 - Archive, A/V, born-digital go to APT
 - o Using BitCurator, DROID, Archivematica, dart-runner, and APT
- Emory University
 - Relationship with Associate member is winding down and will not set up another instance, complicating their digipres position and ability to resource APT
- Georgetown University
 - 3.03 TB ingested since the Fall 2024 meeting, total amount is 24.26 TB
 - o Contributions to APT
 - Kara's sensitive material ingest presentation
 - Postmortem fixity failure discussion with APT
 - Listening tour site visit with Nathan
 - Updates
 - DSpace to Hyku migration complete all content from main campus libs, special collections, and law library migrated between Nov 2024 and June 2025
 - Georgetown Law Library joined APT as an Associate Member, ingests beginning in 2026
 - Published 4 new collections in DigitalGeorgetown, and ingested into APT
- Johns Hopkins University
 - Digitized File Backlog Project is ongoing no born-digital going in here
 - Intentionally looking into Glacier for additional storage with environmental sustainability in mind
 - ArchivesSpace is the system of record
 - Kicked off the Digital Preservation Strategy Task Force with an interest in a library-wide digital preservation initiative
 - Resources from various universities, organizations (NDSA Storage Survey), and People (Nathan. Just Nathan.)
 - In the roadmap, have completed the Planning stage and moving through the Interview and Analysis stages, which will result in recommendations
 - See slides for a beautiful workflow map

- North Carolina State University
 - Digitization and Digital Curation Working Group
 - o 98.124 TB of data
 - Current activities
 - Estimating potential cost increases in various scenarios
 - Surveying vendor landscape
 - Estimating growth
 - Reorganizing as the Digital Collections and Technologies Oversight Committee
 - Lots of discussion about Wasabi and erasure coding

Occidental College

- Smaller institution and Library with a smaller staff
- Working to set up an Associate Member
- Planning larger ingests this winter

Penn State

- Current team of 3 and placed in the Preservation, Conservation and Digitization department in the organization
- Current and upcoming activities
 - Building out workflows for Penn State's Digital Preservation Repo,
 LIBSAFE Advance lots of optical media requests
 - Clean up of legacy content in NAS
 - Assisting with evaluating
- Outreach and research
 - Planning 2 talks for WDPD on November 6, 2025
 - iPRES 2025 panel shoutout to Ruby Martinez!
 - Hired first intern for a program that focuses on digital services
- Hiring lots of new folks -- see the slides (slide 36) for links to 4 position openings
- Princeton Theological Seminary
 - o 17 years of digitization through Internet Archive, and also using HathiTrust, but no local copies of that content. There tools available to download content from IA and beginning to plan out a workflow to download and ingest from APT. Looking for chats and advice!
- University of Arizona
 - General activities
 - Wildcats Memory Lab launched in March 2025, Digital Production Lab taking over patron requests
 - Digital Preservation Systems Working Group formed
 - Continued refinements of physical media extraction workflows
 - Storage/APT Activities
 - Built an automated bagging/deposit pipeline for ETDs coming from ProQuest
 - Built automated workflows to bag research datasets in ReDATA to deposit in APT
 - More AV ingests from Special Collections on deck

- Digitization lab outputs bagging workflow scheduled for 2026
- University of Maryland
 - 5.5 million files, 400TB of data; 150TB are in APT, the rest is in AWS (with some redundancy)
 - Archelon 2.0 (better search, other improvements desired by stakeholders)
 running in EKS; also upgrade to Fedora 6
 - Associate Membership Opportunities -- one that is in the final stages, Center for African American Art on campus
 - ADA Title II and preservation strategy importance of ensuring digital objects are accessible, but org is hesitant to use AI and that would push us to outsourcing to vendors, which is likely not fiscally reasonable
 - Considering changing the preservation policy to also preserve the accessible copy is anyone else thinking about or doing something similar? (Kara, Stan, Brian may be interested in chatting!)
- University of Colorado Boulder
 - Content in APT is in High Assurance, but getting continued support; have a mix of content ingested
 - o 9.3TB new since last September, 21.3 TB total
 - Current backlog of at least 150TB with goals to deposit 40-50TB of additional content next year; new content being produced around 20-30TB per year (lots of film = big files)
 - Ongoing discussions with content owners about selection for preservation
 - Digital Archivist search is closing soon (yay!)
 - Digital Preservation Policy development waiting for (presumed) new Digital Archivist to have input
- University of Michigan
 - Project DOR: Local Preservation Core DLXS out, Digital Object Repository
 (DOR) to replace local preservation repo for digital collections first
 - Extended timeline from two to three years, ending in June 2027 to ensure it's a stable, sustainable backend foundation rather than prioritizing an immediate public-facing launch
 - Will also develop replication of preservation packages to secondary storage (including APT) anticipated to be function in 2027
 - Storage Architecture
 - Uses OCFL for digital object storage; OCFL object serves as DOR's AIP
 - Key Summer Pivot (completed)
 - Store service files (e.g. JPEG2000s, OCR) separately from preservation
 - Benefit: Prevents frequent service file changes (policy updates, performance tuning) from generating new versions
 - Preservation Metadata: Implementing PREMIS even metadata creation and storage
 - Scaling ingest and testing
 - Testing completed June

- Repository Console Development leveraged APT Registry UI as a model
- o Fall priorities: fixity checks, PREMIS events, and malware scanning
- University of Notre Dame
 - Formed a new group to explore all of the pockets where digipres is happening in the library and meeting regularly and successfully established a guiding document for how to think about preservation in the lib, where it is currently happening, what equipment, tools, and software are available, noted gaps
 - Stable production workflow established a year ago
 - Working on developing a portable digital forensics station -- received a zip disc
 (?) and were able to successfully read the discs, and also proved that the equipment is a necessary investment
 - Testing ePADD software for email and also access
 - Gave several digipres presentations this year
- University of Virginia
 - Formalizing MOUs with Associate members
 - As original associate member accounts established prior to current guidelines, there have been some complications in figuring out what content is UVA's and what is the AM, what the correct fee is for the AM, and then moving content to their appropriate stacks
 - Also working on enforcing formal agreements for APT ingests of, for example, faculty work
 - Appraisal and ensuring we're preserving content we want to spend money on
 - Special Collections using DART to upload for APTrust more directly, newly established workflow, helping establish consistently
 - Mapping and documentation
 - Who/what unit
 - How
 - Where documented
 - Shout out to Flavia re: 4 Points conversation and her work with the Financial Department, others, get us a better contract
- Virginia Commonwealth University
 - Almost 3TB ingested, and more on deck
 - Recently finished a <u>project</u> to make Richmond Police Department Surveillance Collection digitized and public - funded by a grant that did require a preservation plan
 - Still refining workflows
 - Hiring an IR Librarian to focus on thousands of ETDs and reaching out to Workflows Group soon
- University of Miami

0

Questions:

Preservation Storage Criteria

- Why are we doing this now?
 - Outcome of deciding not to move forward with Wasabi.
 - We spent many years on Wasabi (much of the work is reusable) before coming to the realization that we need to go in another direction.
 - Front-loading some work now to define clear preservation storage criteria for any future storage prover.
 - Will accelerate storage diversification in 2026.
 - APTrust was built for the cloud, but this criteria could also apply to non-cloud/community-based storage options.

Process

- Phase 1: Task Force Formulation (July/August)
- Form task force, task force commits, kick off meeting.
- Phase 2: Criteria Curation (August/September)
- APTrust curate Digital Preservation Storage Criteria v4, Cloud Security Alliance STAR Security Questionnaire, APTrust generated criteria.
- MoSCoW prioritization by Task Force.
- Phase 4: Facilitated Exercise at Fall Member Meeting (October)
- o Ground up brainstorming to generate additional requirements.
- □ Phase 5: Synthesis and Community Approval (October/November)
- o Putting everything together and drafting requirements, community approval.
- Preservation Storage Criteria Task Force
 - Paul Clough (Miami)
 - Rachel Gattermeyer (JHU)
 - Mike Hagedon (Arizona)
 - Kara McClurken (UVA)
 - Greg Murray (PTS)
 - Josh Westgard (Maryland)
 - Flavia Ruffner (APTrust)
 - Nathan Tallman (APTrust)
 - This assessment was done thinking of bare metal storage provider, not a
 preservation storage provider. Some of the criteria we used were thinking of the
 latter and task force members were asked to think of the former.

Results Overview

7 survey responses received

Must Have: 55Should Have: 14Could Have: 12

 Would Have: 0 -- APT staff did remove some criteria that were inapplicable in the way we were using

- Results: High Priority (Must Have)
 - The strongest consensus was around core data security including confidentiality and integrity controls:

- Encryption at rest and in transit (DPSC 1–2) are baseline requirements for protecting preservation data in distributed storage systems.
- Permanent deletion and physical media protection (DPSC 6–7) ensure both logical and physical security of preserved materials.
- Access controls (DPSC 20) protects data and infrastructure by restricting access to authorized users and roles for a secure preservation environment
- These are foundational controls that APTrust must rely on and audit. Also contributing to the above consensus, but with a lower (Must Have) score:
 - Protection of confidential data* (DPSC 8) emphasizes compliance and trust, aligning with the expectations of libraries and archives that handle sensitive or proprietary collections.
- *Confidential data is a complex topic and contextual to your institutional policies. Expect more discussion at November Advisory meeting.
- Results: Medium Priority (Should Have)
 - These criteria focus on resilience, transparency, and operational sustainability:
 - Recovery and repair (DPSC 40) and storage provider reputation (DPSC 41) reflect trust in vendor operations and their ability to recover.
 - Energy efficiency (DPSC 57) indicates awareness of environmental sustainability goals.
 - Documented content history* (DPSC 65) and documented infrastructure (DPSC 66) point to the importance of metadata completeness and infrastructure accountability.
 - These are important details but could be enhancements.
 - * APTrust documents this too.
- Results: Lower Priority (Could Have)
 - The "Could Have" criteria primarily relate to integration and interoperability:
 - Features like authentication integration (DPSC 21) and discoverability (DPSC 27) are desirable for ease of use but not essential for core preservation. e.g. signing in with institution credentials instead of APT for authentication
 - External configuration of internal integrity checking (DPSC 28), external preservation services (DPSC 29), and preservation action execution (DPSC 32) relate to extended service automation, which is valuable for future scalability.
 - These are forward-looking capabilities that could support future service differentiation or advanced interoperability.
- Results: nothing is irrelevant to APTrust
- Breakout Groups: small groups of about 5
- Facilitator and recorder for each group
- Spend 10-15 minutes discussing the following question:
 - What is the most (important?) preservation storage criteria or requirement for you and your organization? Why? How does this help your digital preservation strategy/program?

Preservation Storage Criteria slides! https://docs.google.com/presentation/d/1xh1zSiVRd VmQ7v4tQ494KmvC3gyx1
 https://docs.google.com/presentation/d/1xh1zSiVRd VmQ7v4tQ494KmvC3gyx1
 https://docs.google.com/presentation/d/1xh1zSiVRd VmQ7v4tQ494KmvC3gyx1
 https://docs.google.com/presentation/d/1xh1zSiVRd VmQ7v4tQ494KmvC3gyx1

Breakout Group 1

- JHU, Princeton Theological, UAB, GU
- Kevin H. Being able to move items (not the most important) but improving this would be helpful
- Rachel G. ISO 27001 Standard secure during transit would be especially important for sensitive material - we're only adding digitized material into APT - a legacy decision
 - Agreed by Kevin and Greg
 - Georgetown does have some sensitive stuff in APT
 - ISO 27001 between a could/should is it a dealbreaker? Seems that it isn't
- Is there agreement in what was considered high, medium, and low needs?
 - Kevin H. would be helpful to have SSO
 - This is a nice to have but not a dealbreaker but would IT be willing to work with members?
 - Could/Should but not a dealbreaker
- Search needs to be fixed! Bump it to should Although, APTrust is currently working on this
- Sustainability is a should but not a dealbreaker
 - A dealbreaker if it is less sustainable than what we're currently doing
- Do we want a higher reputation for a new provider Should/Could but not a dealbreaker
 - How do you measure reputation?
 - Do we know other institutions using this? Some confirmation we are not the guinea pig

Breakout Group 2

- Alex Kinnaman, Virginia Tech; Josh Westgard, University of Maryland; and Michael Runyon, William & Mary
 - For W&M, the core data security of APTrust especially with cybersecurity and data resilience is the most important added value of the platform
 - Josh brings up the Confidentiality, Integrity, Availability Triad + Accessibility standards, Josh also Agrees with the cybersecurity and data resilience points, "level of rigor," structured storage
 - Alex agrees and also brings up tracking data deposited into APTrust and the transparency subsection of the criteria - the freedom and ability to track and see what the data is AND what is happening to it/what happened, etc

Breakout Group 3

- Stacey Jones
- Kara McClurken
- Dina Sokolova
- Moira Stockton

Exactly where data is geographically being stored

Environmental footprint of storing that data

Reporting to include: number of files within bags, more precise size of files

Ability to store confidential info

Storage provider reputation (to help justify cost of APT)

More transparency on pricing

Breakout Group 4

- Paul Clough, Mike Hagedon
- We were on the task force ;-)
- (Fixity error notification, but that's more at the APTrust level, not storage provider)
- Provider must notify of storage problems

Breakout Group 5

- Alyssa Pierce, Stan Gunn, Kate Dohe
- Integrity is most important
- Discussion of confidential information, different levels of confidentiality, that it would be nice to have a system that could handle PII or non-PII but sensitive data
- We think this will become more and more important
- With large scale or MPLP processing, not everything sensitive can be caught
- In today's data environment, it takes only a little data to track people down
- Think that that is a higher list should have
- Discussion of ecological concerns but also balancing with the fact that we don't have that much agency or choice around the matter
- We want to be responsible but we think that digital preservation is not the fundamental problem with energy usage in the digital world - don't think this would add a lot vs our current storage level options
- Think an SSO integration would move up a little in the list, think there is writing on the wall for that being a push for University ITs in the next few years
- We think storage provider reputation should be a must (and that it was with Wasabi)

Breakout Group 6

- Michael Dulock, Grayson Murphy, Margaret Turman Kidd, John Weise
- Understanding how the service conducts fixity (perhaps unattainable from commercial vendor)
- Transparency in the process from the storage provider in general (same)

- Maybe fixity checking ("active" preservation storage) but also is fixity at rest that important? (recent conversations);
- Vendor reputation; what does the vendor say, what do they deliver, is there a delta between; reliability, security;
- Amazon & their size & footprint; but also highly exposed (much higher-profile clients than our sphere); energy efficiency - tough ask for this work even in the best case; lack of influence/control on our end, how to get around that without in-house builds and the expense of that

Breakout Group 7

Alicia Wise, Amy Wickner, Scott Kirycki, Rita Johnston

- CLOCKSS does storage on physical hardware; in some ways, easier to rally folks around physical storage
- measures for disaster recovery resilience as a storage criteria; illustrate how the network addresses specific disaster scenarios
- Knowledge that you can pull things back in a disaster trustworthiness
- Transparency around policies and events
- How do you get things in and out; is workflow conflated with storage?
- Maintain intellectual control; how to see what's in storage; how to do fixity; how to update existing content efficiently
- How to manage storage when you have multiple depositors with varying needs

Fiscal Stewardship, Fees, Elevator Speeches

- Slido prompts will be in this presentation
- Membership and Storage Fee Analysis
 - Requested by the Governing Board to help consider fee changes
 - What benefits do members get for the membership fee vs storage fees?
 - Why are we adjusting fees?
 - Membership
 - UVA subsidy reduced
 - Fees unchanged since founding (25% loss purchasing power)
 - Shared responsibility for sustaining the consortium
 - Storage
 - Cloud costs are rising and members deposit more
 - Need to achieve cost recovery for sustainability and equity
 - Full report here
- Membership Fee Benefits
 - Community and collaboration: meetings, working groups, peer support, nacho bars
 - Preservation access: repository, 10TB included, DART and APIs and other tooling
 - Operations and staffing: skilled team, IT support, disaster recovery
 - o Outreach and leadership: representation in DPC, NDSA, conferences

- Research and development: research agenda, white papers, presentations
- o Professional development: member meetings, site visits, ISO compliance
- Storage Fee Benefits
 - Preservation storage tiers (redundancy options)
 - Demo and production environments
 - Cloud infrastructure (S3, EC2, RDS, monitoring, networking, security)
 - Provider support contracts
 - Transparent, usage-based scaling
- Financial Transparency and Equity
 - Membership Fees = shared core services and baseline access -- community, governance, staffing, outreach, research, repo dev
 - Storage Fees = variable, usage-based cos recovery
 - Rebates possible if cloud discounts negotiated
 - Cloud infrastructure scaling with deposits
 - Together, these fees and this model ensure fairness, sustainability, and high-value member benefits. It also explains why we need to increase both fees.
- Phasing in Proposed Fee Increases
 - Membership Fee: \$25,000
 - Storage Fees
 - **High Assurance: \$460/TB/Year** (\$40 increase, 100.53% cost recovery)
 - Basic Archive: \$110/TB/Year (\$50 increase, 100.48% cost recovery)
 - **Deep Archive: \$80/TB/Year** (\$60 increase, 103.40% cost recovery)
 - Proposed Timeline
 - New Membership Fee: July 1, 2027 (May 2027 invoices, due August, FY28)
 - New Storage Fees: April 1, 2027 (May 2028 invoices, due August, FY 29)
 - The Advisory Committee meets in November and January and we can continue the conversation, but the Board will vote on a new fee schedule at the February 2026 meeting.
 - Note: membership fee looks ahead, storage fee looks behind
 - Alyssa has an environmental scan showing the value of APT and comparing to other services if anyone would like to request it
 - How does the new fee structure compare to bare AWS storage? -- APT Staff will look into and follow up
 - Don't have a fully prepared answer, and can look into it -- for the fees, what we don't pay for in bare AWS is all of the resources and tooling provided by APT. APT is also not recovering some costs for storage, showing how much is subsidized
 - Do you think it would ease some anxiety by "locking in" the rate for x number of years? Or by increasing the cost[...] -- APT Staff will look into and follow up
- Elevator Speeches
 - What it is: A quick way to tell someone:
 - Who is APT

- What APT does
- Why APT matters (impact)
- Not a full conversation; just a clear, easy-to-remember snapshot
- Why it's useful
 - Helps staff, volunteers, or board members introduce the organization consistently
 - Works at conferences, networking events, or chance encounters
 - Leaves people curious to learn more, not overwhelmed
 - Reminds administrators why they are APT members
- See the <u>slides</u> starting at slide 12 for examples

Day 2

Guest Speaker: Recollection Wisconsin

- REMIND FACILITATORS TO HIT RECORD!
- Introduction: Recollection Wisconsin brings together digital cultural heritage [...], mission statement
 - Collaboration and shared infrastructure
 - Harvest metadata in central portal from 260 partner institutions→DPLA
- DigiPres projects
 - o 2018-19 IMLS funded digipres internships
 - Digital Readiness
 - Wisconsin Public Library Consortium 15 public library systems statewide
 - Statewide digital storage initiatives 2019-2026 funded by LSTA, WPLC, purchase
 2 mirrored servers
- Challenges
 - Too much server space to manage
 - Complex upload process for both library systems and cultural heritage orgs
 - Unclear governance/leadership structure
 - Little expertise with digital preservation
- Original project wins
 - 10 of 15 lib systems + RW signed on to participate
 - Began building a statewide culture of digital pres generating buy-in
 - RW is positioned to take the lead, with stable funding and as a natural extension of other digital stewardship training
- APT + RW
 - Original servers' service contract ending in May 2026
 - WPLC opted to search for a right-sized replacement solution for the lib system backup service, while handing over enough bridge funding to get the digipres program up and running
 - APT is a good fit for a state with only a few people focused on statewide digipres
 - Community of professionals
 - Outsource technical

- Fits within the budget given the 30TB total
- APT is a non-profit, GLAM-focused both align with RW
- Proven operational sustainability

Workflow challenges

- Contributors are not IT professionals, or necessarily computer-savvy
- Previous process required contributors to navigate a bagging process, VPN, an
 AWS browser -- overwhelming for them and requiring a lot of training and support
- The "loading dock" needed to be easy as possible and centralized

Workflow solutions

 Low-cost cloud service (Backblaze cloud storage, a Vultr cloud hosted virtual machine) with a combo of open source tools (Cyberduck for file transfer, Rclone to mount the Backblaze storage on the VM, DART to bag and upload to APT)

DigiPres with RW + WPLC

- WPLC will continue to oversee statewide digipres, with RW as the "vendor" who has chosen APT as the service provider
- Continue to build the statewide culture of digipres while make it easy for library systems and cultural heritage orgs to participate
- Next challenge will be figuring out how to fund the project beyond ~2028, with contributions from various entities in Wisconsin

Questions:

- What is the QA process?
 - Relying on a bagging manifest; core principle is each institution tracks their own content -- recommend following up to verify that it's fully ingested
- How many orgs are you working with and is there a member rep do the ingest, or does a central hub do all of the ingests
 - 260 orgs. Have an MOU signed by all members and a stipulation is that there must be a single point of contact for each org
- That's a lot partners...who ensures there is sufficient metadata to be discoverable?
 - Not all orgs are depositing individually, about 16 doing some aggregation, and there is an onboarding process and training program covering appraisal, metadata, etc. Also very strict on no HIPAA data, limited to no PII. Participation varies, some may contribute once or only a small amount of data. Also want to begin education at the digitization

Vultr

- Private commercial third-party
- Backblaze has been on our radar but previously didn't have an AWS endpoint until recently
 - Focusing effort on multimedia and media production (redundancy and speed) so better for short-term storage
- You provide training and consultations, it's so important to have space for these communities to engage with each other. What kind of training do you offer and where do you see expansion?

- 2 formal internship programs drawing on library students throughout the state and they get one-on-one, in-person training
- Informal trainings with volunteers, historical societies

Designated Communities and Representation Information

- OAIS Reference Model diagram refresher -- emphasis on "conformant" (rather than "compliant") for flexibility and broader interpretation
- OAIS Preservation Planning Functional Entity diagram
 - Designated community=the group that has expertise in OAIS model and should be able to understand a particular set of information in ways exemplified by preservation objectives
- Why is the Designated Community Important
 - One of six mandatory responsibilities of an OAIS archive
 - o DC both supplies info to the repo and uses the information
- Knowledge Base
 - OAIS definition: A set of information that allows person or proxy system to understand received information
 - DC's knowledge base defines the scope of metadata the repo needs to provide
 - Any info required to interpret the content that lies outside the DC's knowledge base should be included with the digital content as 'Representation Information'
 - Question: Do we have something akin to the knowledge base in APT or is there a gap?
 - As a community we need to have the knowledge base of each member as a minimum requirement
- OAIS Archival Information Package diagram showing its associated package description and packaging information
- Representation information=documentation, metadata or software necessary to allow designated community to render, make sense of or use digital content
 - Structure, semantic and other representation information
 - Structure: imparts information about the arrangement of and the organization of the parts or elements of the Data Object -- example: mapping bit streams to common computer types such as characters, numbers, and pixels
 - Semantic: further describes the meaning of the data object, and its parts or elements beyond that provided by the structure representation info -- example: description of the meaning of columns or values seen in columns of a spreadsheet
 - Other representation info: everything else
- Question: Do people actually go into this level of detail for every object?
 [NO-designated community gets to define/truncate]
 - Josh comment: Because we rely on standards, we do not need to go into this level of detail

- Question: Should APTrust create some representation info (e.g. EAD standard) and put it into the system?
 - We as a community need to decide if we need to keep it within APTrust or do we rely on members to keep that info themselves
 - This is the question
 - John: We do not know what exactly is in APTrust from other institutions—we are content agnostic. Up to partner institutions to take care of this if they think it's necessary
 - Are we a single designated community or a group of designated communities?
 - That is another question for discussion!
 - Dina: Are we a dark repository or open repository?
 - Dark repository-each of us responsible
 - If we think of ourselves as an open repository, we'll need to ensure that access
- APTrust definition of designated community
 - Broad spectrum of non-commercial cultural institutions
- Time for us to revise our definition to meet certification requirements
 - Primary designated community=Sustaining members of cultural institutions
 - Members have professional expertise in digital stewardship, librarianship, archives management
 - Familiarity with digital preservation concepts
 - Access to infrastructure and tools
 - Ability to interpret preservation reports, audit trails, DIPS
- Representation information
 - o Required fields—name of partner institution, bag name, title, bagging date, etc.
 - Institutions provide additional metadata
 - APTrust generates some metadata

Discussion:

What do APTrust members think of the <u>proposed definition of APTrust Designated Community</u> (drafted by Nathan)

Does it need revisions?

How detailed does it need to be?

Comments due November 14, 2025 in Google Doc

Other chances to discuss at Advisory Committee meeting, etc.

Comments:

- Knowledge base section are the bullet points
- Why are associate members not mentioned? (It's the sustaining members who pay the money and the primary ones we are serving)
- Our expectations are built on the sustaining members ability to interpret the data they put
 in
- We should mention Associate members in the above but Sustaining members are primary
- How will this be interpreted by those reading our documentation

- Who is a Sustaining member? The individual depositing content? Or the entire institution? [Institution is the Sustaining member...the institution should have this knowledge in totality and this could be used to advocate for more staff]
- Is it too detailed? Broad enough?
- Familiarity is different from expertise but we also don't need it to be too long or too into the weeds; it's also up to the depositor themselves understands what they're doing
- I'm a little confused about whether the definition of designated community should describe the designated community as it is, or defines what is required to be a part of it -leaning more toward describing the community as it is, rather than what is expected in order to be a part of it
- I would like to see some examples of how others have approached this issue of designated community definition

What Representation Information may be important for members to be preserved by the APTrust repositories vs. local repositories?

• Are we saying that members need to deposit this info or APTrust needs to provide it? We don't have timeline for completing this work

Remind Nathan to stop the recording!

Breakout Sessions

Breakout Session 1: Creating and Managing Associate Memberships

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Breakout Session 2: Preserving Metadata and Managing Preservation Metadata

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Online Breakout Session: Deciding How to Model Digital Objects

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Report Out and Wrap Up

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