MONDAY	all times local (JST, UTC+9)			Version date:	2024-08-27	
	THEATER					
13:00	Opening Plenary Session					
13:30	**Sara Beery** Challenges and Opportunities at the Intersection of AI and Biodiversity					
14:15	**Tom Strang** 一期一会(Ichi go ichi e) One lifetime, one chance meeting					
15:00	BREAK					
15:30	**Siobhan Leachman** Delving into Te Papa research expedition data		**KEY to colors**			
15:45	**Arturo H. Ariño** The Dream of Mainstream in BIS/TDWG		SPNHC			
16:00	**Robyn Drinkwater** Effective public engagement with Herbaria: Frankenstein's Plants, a case study from the Royal Botanic Garden Edinburgh		TDWG			
16:15	**Roderic Page** Who is doing taxonomy, whereabouts, and who is funding them? A practical test of what knowledge graphs can tell us about taxonomic research		Both			
16:30	**Arianna Salili-James** Cobots at the Museum: The Role of Robotics in Digitisation		Text in BLUE means virtual presenter			
16:45	**Mao-Ning Tuanmu** Enhancing acoustic data mobilization: A user-friendly data platform for the Asian Soundscape Monitoring Network					
17:00	**Cailin Meyer** Building Modern Standards for Resolving Legacy Acquisitions: A Reassessment of the NMNH Entomology Transaction Records					
17:15	**Erin Kuprewicz** Exploring size bias of natural history museum specimens: Comparing historic taxidermy mammals to contemporary populations					
17:30	BREAK					
18:00						
18:30	**WELCOME RECEPTION** at Laguna Garden Hotel					

TUESDAY

	ROOM B1	ROOM B3	ROOM B4	ROOM B5	ROOM B6-7
	SYM15.1 Emergent AI Contributions to Biodiversity Data & Data Standardisation: Opportunities, challenges, and a year in review	**SYM25 Occurrences are Neither Specimens or Samples: Data modelling challenges and opportunities for information storage and exchange**	**SYM01 A Fly Can't Bird but a Bird Can Fly: Current advances and challenges at the intersections of collection management systems, institutions and community**	**Contributed Oral Presentations: A pot pourri of presentations**	**SYM02 Back to Basics Skillshare**
9:00	Sue Han Lee — Revolutionizing Plant Pathogen Conservation: The Past, Present, and Future of AI in Preserving Natural Ecosystems	Stanley Blum — Use cases help to identify primary concepts in biodiversity information modeling	Steen Dupont — When worlds collide: the intersections between CMS solutions, institutional requirements and the bio-geodiversity community.	Clara Baringo Fonseca — DarwinCoreBrazil: translations, examples and open discussions	Hirochika Ueda — Deciphering Japanese labels on old natural history specimens
9:15	Patricia Mergen — Environmental impact of digital technologies and Artificial Intelligence	Christian Bölling — A conceptual analysis of occurrences: implications for the identity, mereology and representation of occurrence instances in biodiversity data exchange	Andrew Bentley — Specify collections software – innovative approaches to digitization, data cleanliness, data publishing, and data integration	Debora Drucker — Collectively working towards plant-pollinator interactions data interoperability and reuse: lessons learned from the WorldFAIR project	Vanessa Rhue — Vertebrate Fossil Collections on the Move: considerations for planning a small to large scale collection relocation
9:30	Michael Elliott — Integrating LLMs and the iDigBio portal for conversational data exploration and inference	Kathryn Hall — Hierarchical modelling of genomics data within Australian Reference Genome Atlas (ARGA): tracking provenance of data derived from specimen "occurrences".	Evgeniy Meyke — Complexity in CMS Deployment: Balancing Diversity with Standardization	Carlos Garcia-Robledo — From data points to data swarms: preserving specimens and their interactions in tropical food webs	Laura Abraczinskas — Moving Forward: Temporary Relocation of Michigan State University Museum Vertebrate Collections for a Climate Control Renovation Project
9:45	Kristen Lewers — Leveraging LLMs to further understanding and engagement with Biodiversity Information Science and Standards through a customized fine-tuned chat model	Yi-Ming Gan — What matters for an occurrenceID and what is an occurrenceID that matters?	Erica Krimmel — Who's flying the plane? Navigating multi-stakeholder CMS development demands	Destiny Gonzalez — Historic Collections Can Save Lives: Integrating Natural History Specimens into Pandemic Forecasting	Bethany Palumbo — A Mammoth Collaboration: Rebuilding the Conservation Department at the Natural History Museum of Denmark
10:00	Roselyn Gabud — Automated Knowledge Graph Generation in Biodiversity Research: Leveraging Machine Learning Tools and Techniques	Ben Collier — Developing a complex object model: Seeking a coherent, integration-ready collections management data model – a data architecture story	Matthew Yoder — "TaxonWorks is too complicated"	Natalie Mastick — Marine mammal recovery is associated with the resurgence of a nematode parasite	Yuanhao Zhang — An attempt to evaluate the lighting quantity indexes of museum lighting for specimen protections
10:15	DISCUSSION	James Macklin — Challenges, case studies, candidate solutions, and a wish list for interoperability of occurrences through a modern collections management system	Gary Motz — Building pillars of institutional priority and communities of practice: Yale's "Cultural Heritage IT" and integrating collection contexts	EXTENDED QUESTION TIME	DISCUSSION
10:30			MORNING TEA		

TUESDAY

	ROOM B1	ROOM B3	ROOM B4	ROOM B5	ROOM B6-7
	SYM15.2 Emergent AI Contributions to Biodiversity Data & Data Standardisation: Opportunities, challenges, and a year in review	**SYM07 Biodiversity Data, Software and Workflows: Beyond observations, beyond biodiversity**	**SYM27 Pre- & Post Disaster Management of Natural History Collections**	**SYM24 Microscope Slide Curation, Conservation, and Access**	**SYM13 Controlled Vocabularies: The secret sauce that unlocks the power of data consistency and accessibility!**
11:00	De-Kai Kao — Enhancing plant species retrieval in Flora through language model integration	Fernando Santos — Living Atlas self-service with containers: Kubernetes and Rancher	Mahoro Suzuki — Lessons Learned from the Great East Japan Earthquake: What is Needed to Rescue Natural History Collections	Rosaura Mayén-Estrada — Constructing a ciliate slides collection in Mexico: first steps	Teresa Mayfield-Meyer — Let's Talk About Life Stage
11:15	James Mickley — Transcribing Specimen Labels using AI Large Language Models: Vouching for Voucherversion	Clara Baringo Fonseca — Environmental Recovery Programs: biodiversity and environmental data. Challenges and opportunities	Pascal Querner — Ecosystem museum under the influence of climate change – a holistic approach of the Natural History Museum in Vienna	Stevie Kennedy-Gold — One slide at a time: Establishing a workflow for accessioning large donations of histological microslides	Jessica Yi-Yun Cheng — Pork Roll or Taylor Ham? When Central New Jersey and Multiple Controlled Vocabularies Exist in Biodiversity Data
11:30	Fabricio Rios-Montero — Relation extraction from unstructured species descriptions using TaxonNERD and Llama 7B	Dimitri Brosens — The Great Taxon List Laundry Machine	Tobias Malm — When the ceiling comes caving in	Gregory Watkins-Colwell — Icefish and Coverslips: a collection of Antarctic fish microscope slides at Yale Peabody Museum	Keeva Connolly — Harnessing and harmonising controlled vocabularies to drive data discoverability in the Australian Reference Genome Atlas
11:45	Sanson Poon — Automatic detection and identification of calcareous nannofossils in chalk using deep learning: a proof-of-concept study	Alice Ainsa — New functionalities in OpenObs for rights management and scientific validation	Atsushi Ebihara — Rescue of Kanjiro Mayebara's plant collection damaged by flood in Hitoyoshi	Mariana Di Giacomo — Wipe 'Em Clean: Conservation of Microscope Slides of Antarctic Fishes at the Yale Peabody Museum	Erica Krimmel — The time for a chronostratigraphic vocabulary is now, but how?
12:00	Ni Yan — AI species identification using image/sound recognition for citizen science, collection management and biomonitoring: from training pipeline to large-scale models	Tomer Gueta — BioCollect journey: challenges and insights	Mei-Jung Hsu — Enhancing Disaster Preparedness: Fire Rescue Drills at the Collections of National Museum of Natural Science in Taiwan	Piper Stepule — Preserving Deep Sea Treasure: The Trials and Tribulations of Digitizing Histology Slides of Antarctic Fishes	Jutta Buschbom — Simple models, complex vocabularies: developing controlled vocabularies for an interdisciplinary collection management system in RECODE
12:15	DISCUSSION AND CHANGEOVER	Heimo Rainer — Validating phytosociological methods using occurrence cubes.	Yuanhao Zhang — Enhancing networking and linking communities for the conservation practices of natural history collections	Alice Gimat — Polymeric mounting media under the microscope	Sophie Pamerlon — Harmonizing national & international typologies: HABREF v.7.0, a reference list of habitats and vegetation for France
12:30	LTNG02 Diversity and Commonalities of AI Applications to Biodiversity Issues and Data.	Tania Laity — User centred design for maximum impact – The ALA story so far.	Daisuke Sakuma — Cultural Heritage Disaster Risk Management Network Promotion Council & Natural History Museums : Pre-& Post Disaster Responce in Japan	Miriam Hiebert — Investigating the Role of Glass Deterioration in the Long-Term Preservation of Microscope Slides at the Smithsonian Institution	Adeline Kerner — Automatically generated texts for fauna and flora from structured data based on a controlled vocabulary
12:45	Six lightning talks - see program in Oxford Abstracts for each speaker	DISCUSSION	Masahiro Ōhara — Pre- and Post Disaster Management of Natural History Collections and the Role of Museums	DISCUSSION	Cecilie Svenningsen — GBIF's vocabulary server – a tool to create, manage and apply controlled vocabularies for biodiversity
13:00					
13:30			LUNCH		FIRST TIMER'S LUNCH
14:00					

TUESDAY

Time	SYM08 Biodiversity Informatics for Asia's Biodiverse Future: A focus on collections and collaboration	SYM36 Lessons Learned from Local Data Providers in the Marine Community: DwC data connect local to global	Contributed Oral Presentations: Mobilising data theme	SYM33 Unlocking Barriers and Access Inequities to Museum Collections in Archaeology and Paleontology	SYM28.1 Scaling Up Capacity to Address Global Biodiversity Goals for Data Mobilization and Use
14:30	**Aino T. Ota** — Importance of Language Localization –Attempts for collecting and publishing specimen data in Japan–	**Takashi Hosono** — Integration of research data from long-term coastal monitoring in highly urbanized area into a global database OBIS, using DarwinCore standard	**Shelley James** — Mobilizing international Australian collections locally for global benefit.	**Takumi Tsutaya** — Concerns between preservation and destruction of archaeological and paleontological specimens	**Olivia Mitrovits** — Scaling up the Efficiency and Capacity: The EarthCape Integrated Collection Management System at Royal Botanic Gardens, Kew, United Kingdom
14:45	**Visotheary Ung** — Exploring the role of tools and technologies in enhancing human knowledge acquisition. The Flora of Cambodia as a pilot project.	**Tomoki Sakakibara** — Expectations and challenges for database construction for marine biology research in local governments	**Li Shao** — eHerbarium - a Global Platform for Exploring and Sharing Herbarium and Live Plant Images to Enhance Biodiversity Preservation	**Yuri Kimura** — Seeking a balance between long-term care and destructive analyses in paleontological and anthropological collections at the National Museum in Japan	**Brooke Long-Fox** — Addressing Global Biodiversity through Scaling MorphoBank for Long-Term Sustainability
15:00	**Arjan Basu Roy** — City Oasis: Can Parks Be Havens for Biodiversity? A Look at Ecopark, Rajarhat	**Sachit Rajbhandari** — Advancing Data Standardisation: OBIS Australia's Contribution to Marine Biodiversity Data Publishing in Australia	**Pei-Yu Tsai** — Spatiotemporal and environmental completeness of eBird data in Taiwan	**Masaki Fujita** — Importance of the Multi-disciplinary Analysis at archaeological sites before storing the remains in museums	**Laura Anne Russell** — Utilizing hosted infrastructures to enable local communities to publish and present their data
15:15	**Vijay Barve** — Citizen Science for Invertebrate Biodiversity: Mobilizing Spider Occurrence Data through Facebook in India	**Ruben Perez Perez** — The European Ocean Biodiversity Information System (EurOBIS) celebrates its 20th anniversary: where did it start, and what have we learned?	**Johanna Loacker** — Standard or Scrappy?: Considerations When Implementing Direct and Indirect Label Data Transcription Workflows.	**Yasuhiro Ito** — jPaleoDB: One-Stop Search for Japan's Paleontological Collections	**Chun-I Chang** — Establishing an Integrated Biodiversity Data Portal System – A Showcase in Taiwan
15:30	AFTERNOON TEA				
	SYM15.3 Emergent AI Contributions to Biodiversity Data & Data Standardisation: Opportunities, challenges, and a year in review	Contributed Oral Presentations: Digitisation theme	SYM11.1 Catalogue of Life as a Means to Harmonise and Unify Taxonomic Data Services	SYM21 Indigenous Traditional Knowledge and Natural History Collections	SYM28.2 Scaling Up Capacity to Address Global Biodiversity Goals for Data Mobilization and Use
16:00	**Sanson Poon** — Accelerating museum AI research and application at the UK Natural History Museum: the NHM AI Lab Programme	**David Yuan** — Making every type count: the type digitisation pipeline at the Australian National Insect Collection (ANIC)	**Olaf Banki** — Improved taxonomic data services for representing biodiversity data	**Shu-Juo Chen** — "Don't Call It Funeral Towel Again!": An Taiwan Advocate of Using Indigenous Knowledge to Name Indigenous Exhibits.	**Laura Anne Russell** — The GBIF Capacity Development Framework: an approach to enabling the global community to mobilize and use biodiversity data
16:15	**Michal Torma** — Evaluating Language Models for Specimen Label OCR: A Comparative Study Using Published GBIF Data	**Alyson Wilkins** — A Little Buggy: Creative Thinking and Insect Digitization	**Donald Hobern** — The Catalogue of Life Taxonomy Group: Engaging the taxonomic community to build a global species list for all taxa	**Alison Vaughan** — Indigenous Knowledge and the Hann Expedition: Re-examining scientific collections from colonial expeditions	**Lindsay Walker** — Strategies for Capacity Building Within the Symbiota User Community
16:30	**Vamsi Krishna Kommineni** — Automating information retrieval from biodiversity literature using Large Language Models - A Case Study	**Regina Wetzer** — Digitizing marine wet specimens: High-speed approaches for a slow job	**Claire Johnston** — Governance – the key to harmony and unification	**Jennifer Zaspel** — Origin community engagement as a foundational building block for building a new natural history museum	**Andrea Weeks** — Lessons learned from SISRIS, a US-based initiative to support inclusive and sustainable collections-based research infrastructure for systematics
16:45	**Rukaya Johaadien** — The ChatIPT Assistant for Easy Biodiversity Data Publishing	**N. Dean Pentcheff** — Digitizing marine wet specimens: Transforming primary data capture into specimen information	**Congtian Lin** — Inventory and Application of Catalogue of Life China	**Komlan Edjèdu Sodjinou** — Inventory of Endogenous Knowledge and Ethnobotanical Use of Orchid's in the Southern Zone of the Togo Mountains	**Joana Paupério** — DNAqua-Plan - Standardisation Overview for eDNA sequencing of Aquatic Organisms and the Downstream Data Ecosystem
17:00	**Arianna Salili-James** — Unscrambling the Eggs: Automated Data Extraction from Structured Cards	**Ashleigh Whittaker** — Digitising Kew's Science Collections: upscaling and delivering at pace	**Michael Dodd** — Updating iSpot species dictionaries with the help of ChecklistBank and the iSpot community	**Tsuo-Ting Li** — The preservation and management of Archaeological Biofact in Taiwan ,and the application of indigenous knowledge	**Miwa Takahashi** — Best practice for publishing environmental DNA (eDNA) data according to FAIR principles
17:15	DISCUSSION	**Grant Fitzsimmons** — Digitization Planning for Large Collections and Agencies with Specify 7	**Mette Lund** — Validated species names at the core of nature tasks of the European Environment Agency	DISCUSSION	DISCUSSION
17:30				SPNHC Committee Chairs meeting (invited participants only)	
18:30					
19:00	SOCIAL EVENING Bingo night at Sky Bar Top Tree in downtown Naha				

WEDNESDAY

	ROOM B1	ROOM B3	ROOM B4	ROOM B5	ROOM B6-7
	LTNG05 Specimen Spotlight	SYM29 Specify Spotlight: Enhancing biodiversity data management	SYM11.2 Catalogue of Life as a Means to Harmonise and Unify Taxonomic Data Services	WKSH04 Latimer Core (LtC) Workshop	SYM14 Emergence of Integrated Public Collection Services: Today's DES experiences for tomorrow's successes
9:00	Sixteen lightning talks - see program in Oxford Abstracts for each speaker	Corinna Paeper Enhancing Enterprise Collection Management: A Case Study of CSIRO's National History Collections	Markus Döring Match & Merge: Methods for Extending the Catalogue of Life	Workshop format - no symposium talks	Elizabeth Ellwood BIOFAIR Data Network's Listening Sessions for Engagement and Data Integration
9:15		Zoe Warner Administering an Enterprise Collection Management System: Specify in practice at CSIRO's National History Collections	Diana Hernández Progress and challenges of a more comprehensive Catalogue of Life		Kerstin Lehnert The Role of iSamples, SESAR, and the Sampling Nature RCN in Advancing Digital Extended Specimens across Disciplines
9:30		Alison Vaughan Using Collections in Specify to manage incoming exchange data	Camila Andrea Plata Corredor Taxonomic data sources from around the world to better understand biodiversity through the Catalogue of Life		Alessandro Russo The European MAREGRAPH project: enhancing marine data interoperability through semantic knowledge graphs
9:45		Robyn Drinkwater Using Specify 7 as a Collections Management System for the Royal Botanic Garden Edinburgh herbarium	Lauren Raz Towards a global land plant taxonomic resource for science and society		Rorie Edmunds The IGSN–DataCite Partnership: Advancing the Global Samples Community
10:00		Nina Filippova Using Specify 6, 7 and Web Portal instruments for the North Siberian Biodiversity Data Platform	Cecilie Svenningsen Leveraging Barcode Index Numbers and UNITE Species Hypotheses from the Catalogue of Life to Enhance Data Integration in GBIF		Lena Struwe The true value of herbaria – an interdisciplinary and updated summary why natural history collections will help save the world
10:15		Theresa Miller Extending Specify 7 for Geoscience Collections	Simon Sherrin Building Better Worlds - Experiences of Using ChecklistBank to Build a Composite Taxonomy for a Large Biodiversity Aggregator		DISCUSSION
10:30				MORNING TEA	
	SYM03 Beyond Best Practice: Embracing the value of improvisation	Contributed Oral Presentations: Collection management systems, standards and modelling themes	SYM16 Exploring and Enhancing Collections Metadata with the Global Registry of Scientific Collections (GRSciColl)	WKSH03 Photography Workshop: Camera basics for field and collections photography	SYM30.1 SPNHC to TDWG: Bridging communities and building capacity for digital collections mobilization
11:00	Daniel Kaping Crumbling creatures: cellulose nitrate and acetate natural history models are reaching the end of their lives - what can we do?	Kristen Lewers NASA BioSCape: Modeling Biodiversity and Invasion in the Greater Cape Floristic Region Using Advanced Remote Sensing and MultiScale Imagery Techniques	Melissa Jean-Yi Liu An Introduction to the Global Registry of Scientific Collections (GRSciColl)	Workshop format - no symposium talks	Holly Little An information ecosystem map of resources supporting the mobilization and discovery of paleontological specimen data
11:15	Anastasia van Gaver Diorama Documentation and De-installation at the Natural History Museum of Denmark	Ed Baker Bioacoustic and ecoacoustic data in AudiovisualCore	Lily Shrestha Initiatives towards global representation of scientific collections		Katie Pearson Coordinating Digitization and Trait Data Mobilization across California Herbaria
11:30	Erica Read Conservation of a National Park signpost covered in a variety of lichen species, from field trip to exhibit.	Francisco Pando Plinian Core, a data specification for species pages, in the real world	Sharon Grant Integrating Latimer Core (LtC) with the Global Registry of Scientific Collections (GRSciColl)		Teresa Mayfield-Meyer Building and Sustaining Authoritative Resources for the Community: Who is Responsible?
11:45	Kirby Martino Broken Hearts: Innovative Support Solutions for 19th Century Wax Injected Animal Heart Preparations	Dmitry Dmitriev History extended: Migration of Systema Dipterorum into TaxonWorks	Chihjen Ko Editing and Improving Contents in GRSciColl		K. Samanta Orellana Advances in the Digitization and Mobilization of Natural History Collections in Guatemala
12:00	Nicola Harrison Turning a mistake into an opportunity: The conservation of a barn swallow nest for exhibition	Robert Cubey Migrating two Collection Management Systems (CMS) during a global pandemic, lessons learnt from the Royal Botanic Garden Edinburgh.	Daniel Mulcahy Curating an age-old institution's metadata with the Global Registry of Scientific Collections (GRSciColl)		Jacob Van Veldhuizen Challenges in sharing morphological and anatomical data in the paleontological community
12:15	Mariana Di Giacomo A Tale of Two Halves: Treatment of a 19th-century *Gavialis gangeticus* Taxidermy Mount	Alan Paton Lessons Learnt from Implementing a New Collection Management System – A Case Study from RBG Kew, UK	Marie Grosjean Contributing to the development of the Global Registry of Scientific Collections		Suzanne Ryder A collaborative digitisation and curatorial project, highlighting a unique collection and the use of Latimer core data standard
12:30	Devon Lee Ovis Shrugged: The Conservation Treatment of a Collapsed Bighorn Sheep Trophy Mount	Liselot Breyne DiSSCo Flanders and ILVO-CMS: unlocking and enhancing the management of natural science collections in Belgian research institutes	DISCUSSION		Talia Karim The Disconnect Between Local Capacity and Standards Implementation
12:45	DISCUSSION	Marla Spencer Pioneering Museum Data Transformation: Unifying Legacy Systems and Enhancing Data Integrity			Gary Motz EMu Therapy: commiserating about digitization, databases, and questions of quality

WEDNESDAY					
13:00					
13:30			LUNCH		Networking Luncheon hosted by the SPNHC Networking and Career Development Committee (NCDC)
14:00					
	SYM09.1 Biodiversity Knowledge Linking: Progress after BiCIKL and beyond	**Contributed Oral Presentations: History in collections theme**	**SYM23 IUCN Red List Assessments: How can and do museums contribute?**	**SYM20.1 Herbarium Procedures and Techniques: Sharing best practice from across the globe**	**DEMO01.1 DemoCamp: Live demonstrations of technology for natural history collections and biodiversity data**
14:30	Lyubomir Penev Beyond BiCIKL: Towards building an AI-assisted "Biodiversity Supergraph"	Diego Tavares Vasques History and importance of the fern herbarium collections in Japan, with focus on the University of Tokyo herbarium	Alina Freire-Fierro Let's narrow the gap of IUCN conservation status of Ecuadorian biodiversity by incorporating local research expertise	Alison Moore Digitising the Kew Herbarium: Do we have a protocol for that?	Dmitry Dmitriev TaxonWorks
14:45	Teodor Georgiev Nanopublications: Universal, anti-silo and FAIR method for publishing, annotating and sharing of Open Linked Data for biodiversity	Tokay Alberts Uncovering a history of our natural history collections: an early-career experience digitizing Californian museum specimens	Elizabeth Downey The potential of museum collections to provide new insights into marine vertebrate conservation, with reference to the IUCN Red List	Atsuko Takano Integrate two herbaria and changed system from Engler to APGIV: a case of HYO, Japan.	Katie Pearson Building the extended specimen: Linking records to extended data in Symbiota portals
15:00	Joana Paupério Linking between molecular and biodiversity data: a BiCIKL perspective	Victoria Pickering The Sloane Lab: mobilising historical botanical data at the Natural History Museum in London	Mike Rutherford Using the IUCN Red List to update The Hunterian Zoology Museum	Kazumi Fujikawa Outreach programs at MBK, Herbarium of the Kochi Prefectural Makino Botanical Garden	Theresa Miller Advancing Biological Collections Computing: A Year of Transformational Updates to Specify 7
15:15	Wouter Addink The Future of Referencing Specimens is Near: Cite the Digital Specimen DOI	Gary P. Aronsen Abreu's Apes: Historical, cultural and scientific structures surrounding an orangutan (Pongo ssp.) collection at the Yale Peabody Museum.	DISCUSSION	Nina Davies Recurating herbarium collections post digitisation – Cyperaceae as a case study	Evgeniy Meyke EarthCape CMS - platform customization for multiple collection types and specific institutional needs
15:30			AFTERNOON TEA		
	SYM09.2 Biodiversity Knowledge Linking: Progress after BiCIKL and beyond	**Contributed Oral Presentations: A virtual pot pourri**	**Contributed Oral Presentations: Conservation, IPM, taxidermy themes**	**SYM20.2 Herbarium Procedures and Techniques: Sharing best practice from across the globe**	**DEMO01.2 DemoCamp: Live demonstrations of technology for natural history collections and biodiversity data**
16:00	Patrick Ruch BiotXplorer: navigating evidence-based biotic interactions	Giuditta Parolini What is sustainability? A reflection from the perspective of biodiversity informatics	Nicole Feldman Adapting Conservation: Tales from NHMD's specimen restoration	Clare Drinkell Conservation in the herbarium - procedures and techniques for restoration in the collections	Gary Motz Bringing biodiversity data to LUX: enabling collections information discovery in linked, open, useful data
16:15	Donat Agosti Standing on the Shoulders of Giants: Advancing Biodiversity Research with FAIR Taxonomic Identifiers	Urmas Kõljalg Taxon Hypotheses and Communication of Taxa	Alice Gimat How do fishing lines behave in wet collections jars?	Meghann Toner The question is, to destructive sample or not destructive sample botanical specimens	James Mickley More than one way to transcribe a label: Using VoucherVision to explore four LLM-powered transcription schemas
16:30	Jutta Buschbom Non-copyrightability of data in scientific publications: a free-for-all or a global commons partnership?	Michelle Luane Hamer Between a wet and dry place: the value of community in assessing the state of South Africa's natural science collections	Catherine Leard Exploring Ethics in Museum Pest Management	Victor Shields 1 Million Plants, 1 Million Images: Best Mass Digitization Practices from the Herbarium at California Academy of Sciences and Picturae	Lindsay Powers Advancing the FAIRness of scientific working collections: U.S. Geological Survey ReSciColl (Registry of Scientific Collections) Demonstration
16:45	Genuar Nunez-Vega How does science give back? A pilot method to measure non-monetary benefit sharing under the Nagoya Protocol	Erika Anderson The art of minerals: the impact of mineral aesthetics on collection biases	Sofie Gelardi Munksgaard Which bacteria are actively responsible for the maceration of bones?	Atsuko Takano Development of automated label data entry system from herbarium specimen images at HYO	Michelle L. Gaynor An introduction to Geographic And Taxonomic Occurrence R-based Scrubbing (gatoRs): An R package and workflow for processing biodiversity data
17:00	Erik Kusch Holding on to strings better left to fray? Collaboration and Coordination Principles across the European Biodiversity Research Infrastructure Consortium	Komlan Edjèdu Sodjinou Contribution to the Update of the Orchids Flora in the Southern Zone of the Togo Mountains.	Rudi Jespersen Determining the age of four unknown taxidermized specimens at the Natural History Museum of Denmark	Hannah Merchant Mass digitization of vascular plant specimens at the Harvard University Herbaria	Nicky Nicolson echinopscis (an extensible notebook for open science on specimens): demonstrating contextually relevant information retrieval from Wikidata
17:15	DISCUSSION	Ahmad Mahdavi Environmental and Biological Sample Banking in MENA Nations	DISCUSSION	Frank Owen Capturing Taxonomic Metadata in the Structure of The Kew Gardens Herbarium Collections during Mass Digitisation.	DISCUSSION
17:30				SPNHC Council meeting (invited participants only)	
18:30					
19:00					

THURSDAY

	ROOM B1	ROOM B3	ROOM B4	ROOM B5	ROOM B6-7
	SYM10.1 Broadening Access, Community Science, Inclusion, Education, Outreach	**SYM35 Digitization Coordination**	**Contributed Oral Presentations: Risk, future proofing, data and standards**	**WKSH02 Herbarium Challenges: Sharing best practice from across the globe**	**SYM05 Biodiversity Biobanking Network GGBN: A global infrastructure for molecular collections**
9:00	Emily Inman Evaluating the Efficacy of Informal Education through Museum Pop-up Displays at California State University, Stanislaus's Vasché Library	Ellie Graves Streamlined Workflows in Digitisation and Integration of New Acquisition Specimens: Meeting Museum and Archive Service Accreditation Standards amid Mass Digitisation.	Erin Bilyeu Mitigating Risk in an ABS World: Navigating Third-Party MTAs	Workshop format - no symposium talks	Katharine Barker Biodiversity biobanking network GGBN: A global infrastructure for molecular collections
9:15	Violeta A. Romero-Mayén Mexico's paleontological heritage for inclusive science outreach: taking fossils out of the collections	Julia Percy-Bower Released from red boxes: Camera shy collections improve understanding of the flora in under-collected Western Australia	Fritz Pichardo Marcano Future-Proofing Biodiversity Collections via Improved Alignment with the Success Metrics of Parent Organizations		Carolina Corrales Release of a Handbook on Biodiversity Biobanking Practices
9:30	Kathryn Sullivan Wisconsin Statewide Community Science Project: A Vision for Connecting the Public and Biodiversity Research	Kalina Jakymec Charting a Course: Professional Development in the Digital Documentation of Biodiversity	Dmitry Mozzherin SQLite: a 'frictionless' solution for biodiversity data exchange?		Edmund K. Schiller [Jutta Buschbom, Breda M. Zimkus] Tools for fulfilling legal requirements for biodiversity specimens
9:45	Masako Ogasawara OKEON: A Community-Collaborative Terrestrial Biodiversity Monitoring Network in Okinawa, Japan	Kira Sobers Digitization Coordination at the Smithsonian Libraries and Archives	Jhu-Jyun Jhang Supporting biodiversity dataset preparation: An introduction to the TaiBIF Open Data Toolkit		Astrid de Mestier POLICIES HANDBOOK FOR MOLECULAR COLLECTIONS
10:00	Megan King A Model for Experiential Learning and Broader Educational Impacts in Collections: Creating an Herbarium Army for Rutgers University's students	DISCUSSION	Juan Saez Hidalgo PyDwCA: A tool for integrating biodiversity data		Anton Güntsch The new GGBN Data Portal and GGBN Stable Identifiers
10:15	Alison Vaughan Harnessing local knowledge to enhance geospatial collecting data		Niels Klazenga Expressing circumscription in TCS		DISCUSSION
10:30			MORNING TEA		
	SYM10.2 Broadening Access, Community Science, Inclusion, Education, Outreach	**SYM18 Globally Linking Taxonomies: Use cases and latest developments**	**Contributed Oral Presentations: DNA and genetic resources**	**WKSH01 Data Carpentry: Introduction to species interaction data with GloBi**	**SYM30.2 SPNHC to TDWG: Bridging communities and building capacity for digital collections mobilization**
11:00	Mei-Jung Hsu Broadening Access to Natural History: Public Engagement at the National Museum of Natural Science in Taiwan	Sz-Yi Tsai Implementation of Taxonomic Name Usages in Generating National Species Checklist in Taiwan	Chris Milensky Planning for the Future: Is it Time to Subsample Types?	Workshop format - no symposium talks	Deborah Paul Driving Data Ecosystem Change: Integrating expertise to catalyze agency
11:15	Jeanette Pirlo Measure for the Acceptance of the Theory of Evolution (MATE) Through the Use of Digitized Collections	Heimo Rainer Community Curation of Nomenclatural and Taxonomic Information in the Context of the Collection Management System JACQ	Ricky-Lee Erickson Bringing invisible genetic samples into focus – a new tissue archive with cultural permissions and international data standards in mind		Jessica Nakano Unifying Community Efforts on Registration and Data Rights
11:30	Phaedra Hui-Shih Fang Turning the Tables: Fostering Youth Engagement in the Natural History Studies and Collection via Urban Botanic Programs Despite Limited Resources	Roger Hyam Taxonomic Name Linking Services (TNLS) in TETTRIs	Cynthia Wang-Claypool Review of practices for preserving animal genetic resources		Yi-Ru Cheng Shining a Light on the Specimen Room : Enhancing Global Research on Bird Eggs through Standardized Digital Archives
11:45	Erynn Johnson Creating inclusive environments for undergraduate students working in collections	Dmitry Mozzherin Can we standardise name-reconciliaton via OpenRefine?	Emily Veltjen The "key" to bringing DNA collections to the next level: a DiSSCo Flanders working group product		Megan Lahti Using community to develop and integrate a research-grade natural history museum at a community college
12:00	Nicole Kearney Unlocking the biodiversity heritage of Australia's field naturalists	Walter Berendsohn Enhancing herbarium systems through name matching mechanisms	Stephan Weise Opportunities and limitations of the FAIR principles for collections of plant genetic resources		Jennifer Zaspel Terrestrial Parasite Tracker (TPT) TCN: Unifying collections data provider and user communities to advance research, education, and community science
12:15	Lennart Lennuk Building New Opportunities: Planning Towards Integrated, Open and Accessible Natural History Collections	Elisabeth Hüllbusch A concept aware API for the checklist infrastructure in Germany	Takeru Nakazato Aspects of NCBI GenBank as a Biodiversity Information Resource		Peggy Newman Collections in the Atlas of Living Australia
12:30	Cheng-Te Hsu Establishment of Urban Green Space Phenology Observation Program through Urban Ecosystem Environmental Education	Andreas Müller A Taxonomic Concept Mapping Service for Taxonomic Information Aggregators (TaCoMaSe)	Rachel Haderlé VeTAPRH: A taxonomic assignment protocol for vertebrates applied to eDNA metabarcoding data, including molecular, taxonomic and ecological criteria		Christopher Hunter The GigaScience Press - Global Biodiversity Information Facility (GBIF) Partnership
12:45	K. Samanta Orellana Interactive Checklists to Increase Access to Urban Biodiversity Information in Guatemala	Nathan Upham Taxonomic Data Objects for communicating the meaning of species names	DISCUSSION		DISCUSSION

Time					
13:00					
13:30			LUNCH		Diamond sponsors lunch
14:00					
THURSDAY					
	SYM34.1 Unveiling the Rich Tapestry: Biodiversity collection practices and specimen-based research in Indo-Pacific Asia	**SYM06 Biodiversity Data Standards and FAIR in Prototyping Biodiversity Digital Twins**	**SYM22 Innovative Visualization for Effective Data-Driven Communication**	**Contributed Oral Presentations: People in collections**	
14:30	T.Y. Aleck YANG Natural History Research of Taiwan during 1896~1897 Basing on the Collections at the TNM	Dmitry Schigel Building biodiversity digital twins	Daphne Z Hoh Utilizing a Dashboard for Efficient Biodiversity Data Overview and Gap-Filling Effort	Paul Mayer A Three-Year Digitization Project for Devonian Invertebrate Fossil: The Roles of Staff, Interns and Volunteers to Insure Error-Free Data Entry	
14:45	Che-Chih Chen Exploring Fungal Diversity in East Asia: Insights from Fungal Collections at the National Museum of Natural Science, Taiwan	Tomas Martinovic Graphical User Interface for Biodiversity Digital Twins: Data Challenges	Goran Sterjov Science in Action. Sometimes metadata is better data.	Renata Borosova Enhancing taxonomic skills in West Africa and supporting the growth of GC Herbarium (Ghana)	
15:00	Yu-Ling Huang Cryopreservation of Fungi in the National Museum of Natural Science	Claus Weiland Dataspace Integration for Agrobiodiversity Digital Twins with RO-Crate	Udayangani Liu Facilitating data-driven decision making within the EarthCape Integrated Collection Management System	Bradley Bishop Biocollections Managers: Perspectives and Processes on Curating Physical Collections and their Digital Objects	
15:15	Jhan-Wei Lin Island-induced divergence of green-spotted grass lizards on Guishan Island	Sharif Islam Bridging Data Standards and FAIR Principles in biodiversity digital twinning: Prototyping, Challenges, Lessons Learned, and Future Plans	DISCUSSION	Matt Schmidt (Lightning talk) It's Complicated: The Benefits and Drawbacks of Multi-Departmental Curatorial Assistants	
15:30			AFTERNOON TEA		
	SYM34.2 Unveiling the Rich Tapestry: Biodiversity collection practices and specimen-based research in Indo-Pacific Asia	**SYM04 Bioblitzes and Museums: Natural partners**	**SYM17 From Local Data to Global Insights: Community curation of specimen data**	**SYM19 Bridging the gap: Interoperable Alien Species Data and Terminology for Successful Sharing of Management Strategies**	**Contributed Oral Presentations: Curation and sustainability**
16:00	Yu-Heng Liu Citizen Science Collaboration: Building a Specimen Relay Station for Enhanced Natural History Preservation in Taiwan	Mike Rutherford The UWI Zoology Museum and Bioblitzing in Trinidad & Tobago – Mutual Benefits	Tom Dijkema DiSSCover the potential of FAIR Digital Object annotations and how you can use them!	Donna Lewis Harmonising terminology and records of plant invasion status across federally managed countries	Lindsay Nottingham Creating a Curatorial Framework for the Sternberg Museum of Natural History's Coal Ball Collection
16:15	Chi-Heng Hsieh An Ongoing Story: Bird-window Collision in Taiwan, Bridging between Citizen Science, Veterinary Professions, Museums, and More	Yurika Saito Empowering Biodiversity Education: Practicing Digital Utilization through BioBlitz in a Japanese Curator Course	Sabine von Mering Advancing community curation of research expeditions: A collaborative journey with Wikidata and biodiversity information standards	C Scott Brown On the need for variables to represent organism interaction with the local environment	Laura A. Rincón Rodriguez The Malacology collection at the American Museum of Natural History (AMNH): Challenges and Successes
16:30	Chi-Heng Hsieh Exploring Individual Stories: Rethinking Specimen Displays in Modern Museums	Gavin Broad Bioblitzes and Darwin Tree of Life: teaming up to collect invertebrates for whole genome sequencing and DNA barcoding	Elspeth Haston Completing the completeness measure - the MIDS specification	Tina Heger Harmonizing hypotheses in invasion biology	Pamela J. Horsley A dry collection talk: Revitalizing the San Diego Natural History Museum Marine Invertebrate Collection
16:45	Jing-Fu Tsai Taxonomic Reassessment of Type Collections: The Case of Taiwan's Jumping Tree Bugs (Isometopinae: Miridae)	Viktor Hartung Citizen science online biodiversity platform as an integrating tool for a natural history museum	Mathias Dillen DoeDat: enhanced roundtripping of crowdsourced specimen annotations.	Malin Strand Focusing on bridging the gaps – current pitfalls for the IAS data flow	Jisoo Kim Introduction of the freshwater organism specimen storage at Nakdonggang National Institute of Biological Resources, Republic of Korea
17:00	Jing-Fu Tsai Resolving Century-Old Taxonomic Problems in Jewel Bugs of the Genus *Scutellera*	Lauren Vonnahme Strengthening communities through nature: The role of bioblitzes in museum-community partnerships	Anton Güntsch 2 million contributions from citizen scientists accelerate the digitization of the Berlin herbarium	Nicole Hernandez Siren: the National Early Detection and Rapid Response Information System's Invasive Species Data Management and Use Cases	Charles Cook The global biodata infrastructure and the drive for sustainability
17:30	Yu-Hsiang Ho Unveiling the biodiversity of myrmecophilous histerids beetles in Taiwan: taxonomy, biology, and distribution	Lila Higgins From Small & Local to Massive & Global: Nine Years of the City Nature Challenge BioBlitz	DISCUSSION	Lien Reyserhove A new TDWG task group for improved Invasive Alien Species management standards: past progress and future plans	Fhatani Ranwashe Curating in context with biodiversity images

19:00	CONFERENCE DINNER "Beach party" at Laguna Garden Hotel				
FRIDAY					
	ROOM B1				
9:00	SPNHC Annual Business Meeting				
9:30					
10:00					
10:30	MORNING TEA				
11:00	TDWG Business Meeting				
11:30					
12:00					
12:30	LUNCH				
13:00					
13:30	Closing Plenary Session				
14:00					
14:30					
15:00	CONFERENCE ENDS				