

Sunday 20 September	
	Conference side events
	Public Citywide Bioblitz
18:00	UiO Natural History Museum Welcome event and registration
MONDAY 21 SEPTEMBER - PLENARY DAY	UIO AULA
8:30	Registration opens
	AULA PLENARY 1
9:00 - 9:30	Welcome to TDWG 2026
9:30 - 9:45	Address from TDWG Chair
9:45 - 10:30	Keynote 1: Tanya Berger-Wolf AI for Nature at Large Scale and High Resolution
10:30 - 11:00	BREAK
	AULA PLENARY 2
11:00 - 11:45	Keynote 2: Måret J Hætta Sámi perspectives on biodiversity Data Governance and more inclusive Data Standards
11:45 - 12:30	Keynote 3: Ramona Walls From biodiversity data to knowledge in the age of AI: Where do ontologies and standards fit?
12:30 - 14:00	LUNCH
14:00 - 16:00	AULA TASTER TDWG 2026 Conference taster session - eight speakers to give you a taste of the week ahead. All talks 15 minutes Nicole Kearney Building a New Foundation for the Biodiversity Heritage Library Quentin Groom Reducing the lag from observation to action Cameron Slatyer Keeping Colliders in Physics: Rethinking the Construction of Taxonomic Backbones and Names-matching in Large Data Aggregators Federico Mendez, Mikhail Podolskiy, Nikolaj Schaldemose Reibke DwC-DP Integration at GBIF Judith Botha Using automation to consolidate biodiversity occurrence data from multiple sources to assist conservation decision making in South African National Parks. Clara Baringo Fonseca Extending Darwin Core to Represent Sociobiodiversity and Traditional Knowledge Kit Lewers What if biodiversity data systems were designed to behave like ecosystems? Niels Raes Mainstreaming high-throughput biodiversity monitoring using AI
16:00	CLOSE
17:00	Mayor's Reception at City Hall (Oslo Rådhus)

TRACKS

Biodiversity Literature & Knowledge Extraction
AI and Robot Ready
Collections Digitisation & Management
Community Science, Engagement & Regional Networks
Darwin Core, Standards Development & Implementation
Resilience & Sustainability of Data Infrastructures
Digital Twins & Emerging Infrastructures
Earth Sciences & Geological Collections
Taxonomy, Checklists & Structured Descriptions

Tuesday 22 September	TUESDAY SAL A	TUESDAY SAL B	TUESDAY SAL C	TUESDAY ODIN	TUESDAY BALDER	TUESDAY MEETING ROOM 5
8:00	CONFERENCE REGISTRATION OPEN					
8:30 - 10:30 (120 minutes)	SYM30A AI for Biodiversity Data ORGANISERS: David Williamson, Wouter Koch, Arianna Salili-James, Sanson Poon, Rukaya Johaadien, Michal Torma, Maarten Trekels, Kit Lewers Talk times: 12 minutes including questions and changeover	SYM23 To see or not to see - that is the question: Managing restricted access data (RASD) ORGANISERS: Tania Laity, Cameron Slatyer, Simon Sherrin, Kristin Eschenfelder, Martin Kaehrl Talk times: 15 minutes including questions and changeover	SYM06 Rocks, Minerals, and Metadata ORGANISERS: Ben Norton, Rachel Walcott, Adam Mansur, Gary Motz Talk times: 15 minutes including questions and changeover	SYM18 Building resilient data infrastructures for biodiversity science ORGANISERS: Giuditta Parolini, Eva Alonso Vizcaino Talk times: 14 minutes including questions and changeover	WKS34 Liberating Data from Historical Biodiversity Literature with The Unified Corpus Explorer (UCE) Marius Böyng, Gerwin Kasperek, Katrin Peikert, Mevlüt Bağcı, Jana Hoffman	WKS35 From Skeletal to Scientific: A Hands-on Workshop for Measuring Digitization Depth with the MIDS Standard 120 minutes WORKSHOP ORGANISERS: Mathias Dillen, Elspeth Haston, Caitlin Chapman

		Dimitri Brosens Role-Based Access Control (RBAC) for RASD: The Flemish Biodiversity Portal Approach	Holly Little Developing a community-curated controlled vocabulary for fossil collections using the term dwc:materialEntityType		
	Introduction			Introduction	
	David Williamson AI Isn't Magic: Staying scientific in biodiversity research	Will Morris Restricted access species data in Finland	Theresa Miller Extending Specify 7 for Geological Collections	Eva Alonso Viscaino Governance as a Foundation for Resilient Biodiversity Data Infrastructures: Lessons from DiSSCo	
	Rachel Wiles Delivering AI for biodiversity data in the public sector: data handling, security and humans-in-the-loop when small teams build at pace	John Liljebblad Restricted Access Species Data: The Swedish Model	Laura Tilley [VIRTUAL] and Patricia Mergen Improving Access to Earth Science Collections Data via GeoCAsE and the European Open Science Cloud	Mareike Petersen Resilience of Research Infrastructures through knowledge and engagement	
	Giulio Martelucci Scalable Edge AI for Real-Time Biodiversity Monitoring: A Case Study on Tracking Invasive Species in Roadside Imagery	Clara Baringo Fonseca Toward RASD Implementation in Brazil: Integrating Conservation, Open Data, and Traditional Knowledge Safeguards	Sarah Stewart Improving geospecimen provenance and findability in the National Museums Scotland Scottish mineral collection	Giuditta Parolini Adopting Environmental Sustainability as a Strategy to Build Resilient Data Infrastructures in Biodiversity Science	
	Ritter Atoundem Guimapi AI-vision for integrated management of pest insects and their natural enemies	Cameron Slatyer The Edge: Insights into problems that arise from implementing data solutions for restricted access (sensitive) species data	Andrea Thomer (VIRTUAL) Bridging Domains: How SESAR Supports Earth and Biodiversity Digital Extended Specimens	Rachel Blake Supporting resilient data infrastructure in a changing environment	
	Congtian Lin Soundscape China - Listening to the Sounds of Nature with AI	Charlotte Lassaline Using wildlife trade data to support proactive RASD decision-making	Oskar Lindemeyer (VIRTUAL) Developing and implementing relational mineral taxonomy model in EMu for Museums Victoria's Mineral Collection	Claus Weiland From Pixels to Policy: Closing the Gap between In Situ Monitoring, Earth Observation, and Policy Actionability	
	Jenna Kline (VIRTUAL) Cross-Modal Coordination for Biodiversity Monitoring at Scale: Lessons from SmartWilds	Tania Laitly A new standard for restricted access (sensitive) species data	Rachel Walcott Understanding Geological Specimen Use for Effective Digitisation Strategies	Matthew Blissett The GBIF data index: crawling and crawled	
	Karolina Kuczkowska Trapper 2.0: scalable, open-source platform for managing camera trapping projects with integrated AI pipelines	Questions and discussion led by Cameron Slatyer	Discussion	David Shorthouse (VIRTUAL) Resilient Attribution Infrastructures for Biodiversity Science: Archiving and Risk Mitigation in Bionomia	
	Discussion		Ben Norton (ON DEMAND CHANNEL) Geologic Units in the Geological Collection Conceptual Data Model: A Framework for Stratigraphic Representation in Natural History Collections	Discussion	
10:30 - 11:00	MORNING TEA Posters can go up now				
11:00 - 12:30 (90 minutes)	SYM30B AI for Biodiversity Data	SYM13A Responsible AI, Open Digital Curation, and Round-Tripping for Biodiversity Data	CO1 National & Global Taxonomic Backbones	SYM11 Data Quality: From Standard to Practice	Tackling the Transcription Bottleneck: A Multi-Agent AI Approach for Collections
	ORGANISERS: David Williamson, Wouter Koch, Arianna Salili-James, Sanson Poon, Rukaya Johaadien, Michal Torma, Maarten Trekels, Kit Lewers	ORGANISERS: Deborah Paul, Siobhan Leachman, Sabine von Mering	ORGANISERS: Elie Saliba, Ely Wallis	ORGANISERS: Lee Belbin, Arthur Chapman	Presentation from Picturae (Gold Sponsors) ORGANISER: Sebastiaan Bouten
	Talk times: 12 minutes including questions and changeover	Talk times: 15 minutes including questions and changeover	Talk times: 15 minutes including questions and changeover	Talk times: 14 minutes including questions and changeover	
	Introduction / welcome back	Deborah Paul Open Digital Curation Needs: openness, interoperability, provenance	Yury Roskov The United States Contribution to the Global Taxonomy of the "Catalogue of Life" in the First Quarter of the 21st Century		Birgitta König-Ries The Role of NFDI4Biodiversity within Germany's National Biodiversity Data Infrastructure
	Yuchen Zhao Assessing the Readiness of Plant Image Datasets for AI-enabled Spatially Explicit Ecological Monitoring: A Systematic Review of Bias, Representativeness, and Annotation Quality	Nathan Vanderkraats Machine-Ready Botanical Data: Mapping Integrated Collections and Traits with Darwin Core Data Package	Niels Klazenga A Knowledge Organisation System for Taxonomic Data	Lee Belbin An Introduction to the Biodiversity Data Quality Standard (BDQ)	Andrea Tarallo Assessing the maturity and sustainability of the LifeWatch Italy Data Portal using the Data Infrastructure Maturity Profile
	Rajapreethi Rajendran The WildLIVE Portal: Towards Scalable Wildlife Monitoring through the Integration of Citizen Science and Human-in-the-Loop AI Workflows	Anne Koivunen From Images to Structured Data: A Scalable AI Workflow for Natural History Museums	Johan Liljebblad Managing observations when taxonomy changes: the case of Artportalen and Dyntaxa	John Waller GBIF Rule Based Annotations	Victor Heijke A finetuned AI classifier for metabarcoding data
	Dilara Agacik HerbAudit: Validating AI-Driven Herbarium Transcriptions	Wouter Addink Closing the Loop: The DiSSCo Annotation Validation Framework for Trustworthy Data Round-Tripping	Clara Baringo Fonseca Modernizing Brazil's Taxonomic Backbone: How ChecklistBank Supports Biodiversity and Genetic Heritage Systems	Arthur Chapman Interpreting the Responses from BDQ Tests	
	Wouter Koch AI-assisted digitisation of printed identification keys: from book to structured data in minutes	Nicky Nicolson Geonoma: Metadata and Community for Georeferencing	Piotr Tykarski Building a Taxonomic Reference Authority for Conservation: The Digital Catalogue of Biodiversity of Poland	Mora Aronsson The Swedish experience on verification and how to improve quality on observations	
	Matteo Conti AI-assisted georeferentiation a-posteriori of herbarium specimens: a case study on Italian herbaria	Pranav Jha From satellite embeddings to Darwin Core: an open, ensemble-AI workflow for Prosopis juliflora mapping and reusable training-dataset generation	Chun-I Chang National Biodiversity Information Action Campaign Production Process: A Case Study of Taiwan	Adam Richard-Bollans Transitivity Failures in Taxonomic Name Resolution: Implications for Botanical Dataset Construction	
	Kenzo Milleville Towards Scalable Trait Measurements from Digitized Specimens			Christian-Dan Bara (VIRTUAL) How Darwin Core enables harmonizing Biodiversity Data via the OSCA Consortium	
	Discussion				

		Jenna Kline (VIRTUAL) kabr-tools: A Modular Workflow for Automated Video-Based Behavioral Monitoring Across the Autonomy Spectrum		Closing remarks		
WEDNESDAY 23 SEPTEMBER EXCURSION DAY						
9:00 - 17:00	Excursions					
18:00 - 22:00	Conference Social at Munch Museum					
Thursday 24 September	THURSDAY SAL A	THURSDAY SAL B	THURSDAY SAL C	THURSDAY FORUM	THURSDAY ODIN	THURSDAY BALDER
8:00	CONFERENCE REGISTRATION OPEN					
8:30 - 10:30 (120 minutes)	SYM29A From Cabinets to Clouds – Bridging the gap between collection- and database management	SYM15 Operationalizing Biodiversity Digital Twins within Data Space Ecosystems	SYM20 Meeting Biodiversity Data Standards Using Specify Software	SYM38 Sustaining the Geo-Biodiversity Data Ecosystem: Standards-Driven Approaches to Long-Term Resilience	WKS39 Using the new DarwinCore Data Package to promote FAIR data principles in ecological research- 120 minutes WORKSHOP	WKS14 New approaches and tools to maximise the value of the Biodiversity Heritage Library 120 minutes WORKSHOP
	ORGANISERS: Caitlin Thorn, Nora Lentge-Maaß, Frederik Berger, Mareike Petersen, Sabine von Mering	ORGANISERS: Claus Weiland, Dag Endresen, Tomas Martinovic, Gabriela Zuquim, Sharif Islam, Hanna Koivula, Niels Raes, Taimur Khan	Theresa Miller	ORGANISERS: Libby Ellwood, James Macklin, Jutta Buschborn, Kristin Lehnert, Andy Bentley, Ely Wallis, Pam Soltis, Jose Fortes	ORGANISERS: Kelsey Huelsman, Eric Sokol, Dhruva Kathuria, Rob Guralnick	ORGANISERS: Rod Page, Nicole Kearney
	Talk times: 15 minutes including questions and changeover	Talk times: 14 minutes including questions and changeover	Talk times: 12 minutes including questions and changeover; 10 minute videos from virtual presenters	Talk times: 12 minutes including questions and changeover	CANCELLED	
	Introduction	Introduction	Introduction	Libby Ellwood Sustainability and collaboration in a time of uncertainty		
	Caitlin Thorn Collaborative Development of an Institution-Wide Controlled Vocabulary	Mathias Dillen The BMD Cubing Engine: Harmonizing Biodiversity and Earth Observation Data	Kevin Holston SpecifyaaS: Managing Ephemeral Repositories in Collections-Based Research	Joe Miller GBIF after 25 years		
	Jacobus Christiaan Steenkamp From Silos to Standards – Advancing Standardised Collection State Documentation for Institutional Continuity and Coordination	Lena Perzmaier (VIRTUAL) Building the Foundations for a European Biodiversity Data Space	Robyn Drinkwater Applying Data Standards at the Royal Botanic Garden Edinburgh	Wouter Addink Unifying Natural Heritage for a Resilient Future		
	Frederik Berger Bridging the Gap: Strategies for Integrating Person Identifiers into Collection Databases	Laura Slaughter Beyond Data Integration: Ecological and Semantic Interoperability in Coastal Digital Twins	Siyabonga Zamisa From Legacy Data to FAIR Workflows: Standardising Biodiversity Collections Using Specify	Jose Fortes Requirements of Sustainability Models for Geo-Biodiversity Data Cyberinfrastructure		
	Jessica Bird Confronting legacy data for primary type specimens	Sharif Islam From Buzzwords to Blueprints: What It Really Takes to Operationalise Biodiversity Digital Twins	Kim Labuschagne Digitize, Standardize, Mobilize: Wildlife Biodiversity Biobanking with Specify	Andrea Thomer (VIRTUAL) From preservation to perseverance: bridging disciplines for data resilience		
	Marije Timmermans From Legacy Database to Cloud: Challenges in Migrating Legacy Collection Data to a FAIR Collection Management System	Tanya Berger-Wolf Digital Twins as System-Optimization Tools: Provisioning Edge and Cloud Infrastructure for Biodiversity Monitoring at Scale	Niels Klazenga Integrating Specify in broader Science infrastructure	Chandra Earl NEON, Community Standards, and the Hyper-Extended Specimen		
	Holly Little A framework for aligning collections data with the global data ecosystem from data creation to extension in the Smithsonian National Museum of Natural History Department of Paleobiology	Peter Desmet How to operationalize large-scale aerial biodiversity monitoring?	Marion Depraetere The Good, the Bad, and the Standardised: A Specify Journey Through 200 Years of the MFN Berlin's Biological Collections	James Macklin Canada's need for synthesis for Adaptation and Resilience to Climate Change		
	Discussion	Syrine Ben Aziza Operationalising biodiversity DT ecosystems through assessment-driven service mapping and reusable tools and workflow integration	Grant Fitzsimmons Meeting Biodiversity Standards with Specify 7	Brenda Daly (VIRTUAL) Architecting the National Biodiversity Information System: Standards-Driven Workflows for South Africa's Botanical and Zoological Data		
		Discussion	Dan Baker (VIRTUAL) From Data Entry to Distribution: Streamlining Biodiversity Workflows with Specify at CSIRO	Discussion		
			Samanta Orellana (VIRTUAL) Updates on Data Mobilization in the KU Entomology Collection			
			Closing remarks			
10:30 - 11:00	MORNING TEA					
11:00 - 12:30 (90 minutes)	SYM29B From Cabinets to Clouds – Bridging the gap between collection- and database management	SYM46 AI-Readiness Metrics and Metadata for Biodiversity Data	SYM25A From Mobilizing Data to AI-Ready Knowledge: Infrastructure for Multimodal Biodiversity Data	CO4 FAIR data in practice - eDNA, modelling and biodiversity concepts	DS40 National and policy-relevant species checklists: why official, updated and validated data matter 90 minutes DISCUSSION	WKS14 How Literature Services can Support & Benefit from Biodiversity Publication and Data Standards? 90 minutes WORKSHOP
	ORGANISERS: Caitlin Thorn, Nora Lentge-Maaß, Frederik Berger, Mareike Petersen, Sabine von Mering	ORGANISERS: Yasin Bakış, Cem Meydan	ORGANISERS: Hilmar Lapp, Rob Guralnick, Kelsey Huelsman, Eric Sokol, David Bloom	MODERATOR: Andre Zerger	ORGANISERS: Diana Hernandez, Camila Plata, Olaf Bánki	ORGANISER: Emilie Pasche
	Talk times: 15 minutes including questions and changeover	Talk times: 12 minutes including questions and changeover	Talk times: 15 minutes including questions and changeover except for last talk in session at 10 minutes	Talk times: 15 minutes including questions and changeover		
	Introduction	Introduction	Introduction	Joana Pauperio FAIR ancient environmental DNA data in practice: developing and implementing interoperable metadata standards in AEGIS		
	Nora Lentge-Maaß Drawers in the dark harboring data that could spark - finding the sweet spot in collection digitization and mobilizing metadata from museum's collections	Yasin Bakış Toward Quantitative AI-Readiness Metrics for Biodiversity Data Infrastructures	Tanya Berger-Wolf A metadata-first FAIR4AI checklist and automated evaluation agent for biodiversity datasets	Rob Stevenson [VIRTUAL] Rethinking "absence" in biodiversity data collection and modeling		

	Melanie de Leeuw Accelerating specimen identification through Virtual Collections while promoting collaboration Myriam van Walsum Managing high-volume specimen movements in the entomological collection of Naturalis with a new type of record Franziska Schuster Everything is coded: How to prevent a game of telephone in a system full of interfaces Discussion	Jessica Titocci Traits Thesaurus: toward semantic harmonization of FAIR trait-based data on aquatic organisms Sefika Efeoglu AI Ready Standards with Croissant Wouter Addink Unifying Biodiversity Images: Content-Based Identification with the ISCC standard (ISO 24138: 2024) XiaoJun Wang Provenance, Lineage, and Auditability in AI-Driven Biodiversity Image Workflows Andrew Tokmakoff (VIRTUAL) Robot-ready by construction: an ontology-driven, SHACL-validated submission pipeline for national ecological monitoring data Brooke Long-Fox (VIRTUAL) Artificial Intelligence Amplifies Paleontology's Reproducibility Problem Closing remarks	Rob Guralnick Phenobase: a harmonized, AI-ready knowledge base of global plant phenology Alexis Joly From 1.5 Billion Raw Queries to AI-Ready Biodiversity Data: Human-AI Collaborative Curation Pipelines in Pl@ntNet Kit Lewers From Sensor to Species: AI-Assisted Segmentation, Deep Learning Workflows, and Persistent Biodiversity Records from Earth Observation Systems Jack Hollister On-Device AI for Data Cleaning, Standardisation, and Exploration in Collections Management Lars Vogt FAIR, CLEAR, and Causal: A semantic framework for ecological knowledge synthesis Discussion	Berenice Talamantes Becerra (VIRTUAL) Challenges and Opportunities for FAIR Marine eDNA Data Publication Workflows Kathryn Hall (VIRTUAL) Visualising specimens as event chains on the Australian Reference Genome Atlas Peter Ugege (VIRTUAL) Bridging Biodiversity Data Standards and Predictive Ecology: Operationalizing Interoperable Workflows for Species Distribution Modeling in West Africa		
12:30 - 14:00	LUNCH					
14:00 - 15:30 (90 minutes)	SYM42A Solutions for Research Collection Management Systems Challenges ORGANISERS: Jonas Grieb, James Macklin, Christian Bölling, Sam Leeflang, Wouter Addink, Michaela Grein, Volker Lohrmann, Etta Grotrian, Claus Weiland Talk times: 12 minutes including questions and changeover except for three indicated with ** at 8 minutes Introduction by James Macklin John Wiecezorek From Specimens to Networks: Darwin Core Data Packages in Practice Matthew Yoder Aligning An Evolving Global Data Model To Software With Global Ambitions: GBIF x TaxonWorks Jonas Grieb Material Samples and Occurrences in Darwin Core Data Packages: Practical Experiences from DINA Katie Pearson (VIRTUAL) Sharing Extended Specimen Data from Symbiota Portals using Registered Extensions Tanja Weibulat ** Mapping the Relational Data Schema of the Diversity Workbench (DWB) to the Darwin Core Data Package Data Model to fit better to GBIF's New Data Model Birgit Rach ** Diversity Workbench (DWB) as a Standards-Based Collection Management System for Heterogeneous Research Data and Biodiversity Data Mobilization Björn Quast ** From Client to App: Extending Diversity Workbench with REST and graphical web interfaces Yeeun Lee (VIRTUAL) The More Extended, The More Open: Semantic Integration of 3D Natural Heritage Data into Biodiversity CMS	SYM37A A consensus taxonomic reference for improved freshwater biodiversity data and knowledge ORGANISERS: Astrid Schmidt-Kloiber, Koen Martens, Vanessa Bremerich, Helen Dallas, Olaf Bánki Talk times: 15 minutes including questions and changeover except for first talk in session at 20 minutes Astrid Schmidt-Kloiber Not just another database: building the future of freshwater taxonomy with FADATims Olaf Bánki Catalogue of Life and Freshwater species data Alejandra Correa-Bedoya A species-level taxonomic catalog of Neotropical freshwater insects: building a consensus reference for occurrence data integration, and conservation planning. Helen Dallas (VIRTUAL) Biodiversity data at your fingertips: open-access freshwater biodiversity information systems for South Africa and Africa Vanessa Bremerich The FiPbio data portal: towards an integrated freshwater biodiversity data ecosystem Discussion	SYM25B From Mobilizing Data to AI-Ready Knowledge: Infrastructure for Multimodal Biodiversity Data ORGANISERS: Hilmar Lapp, Rob Guralnick, Kelsey Huelsman, Eric Sokol, David Bloom Talk times: 15 minutes including questions and changeover except for last talk in session at 10 minutes Gerwin Kasperek Mobilising and integrating extracted information from the literature into a biodiversity data ecosystem - the BIOfid approach Karolina Kuczkowska Camtrap DP: extending data standard designed for camera trapping research to support AI workflows and new data sources Jenna Kline (VIRTUAL) FAIR² Drones: An AI-Ready Standard for Cross-Domain Wildlife Drone Dataset Tim Alamenciak Causal Mosaic Schema: Encoding Causal Claims in Ecological Literature as Machine-Actionable Knowledge Graphs Birgitta König-Ries LifeGate: Extending a Global Visual PhyloMap into a Structured Biodiversity Knowledge System Discussion	SYM45 Planning the Libroscope: creating research ready biodiversity from scientific publications ORGANISERS: Donat Agosti, Laurence Bénichou Talk times: 12 minutes including questions and changeover Introduction Donat Agosti The future is the future - thought about access to data in publications Chris Le Coquet Biodiversity literature as FAIR and AI-ready data by design (and how to get there) Guido Sautter Realtime Access to Data in new Taxonomic Publications Donat Agosti Building digital-native species: Transitioning from PDF liberation to semantic-by-design publishing Patrick Ruch Literature triage to support Island Biodiversity Monitoring Rainer Krug Literature usage in IPBES - Past, Present and Future with Libroscope Robert Waterhouse Species trait literature mining to support integrative biodiversity distribution modelling Closing remarks	DS31 Panel Discussion: Critically Assessing the Role of AI in Biodiversity Research 90 minutes DISCUSSION ORGANISERS: David Williamson, Wouter Koch, Arianna Salili-James, Sanson Poon, Rukaya Johaadien, Michal Torma, Maarten Trekels, Kit Lewers	WKS10 Geological Collections with Darwin Core: Compound Specimen Model and Mineralogy Extension, Accelerated with AI 90 minutes WORKSHOP ORGANISER: Ben Norton
15:30 - 16:00	AFTERNOON TEA					
16:00 - 17:00 (60 minutes)	SYM42B Solutions for Research Collection Management Systems Challenges	SYM37B A consensus taxonomic reference for improved freshwater biodiversity data and knowledge	COS Digital Tools for Data Discovery, Resolution and Exchange	SYM26 From WDSRPD to GeoSchemes: Recording Biodiversity Distributions for Science and Policy	DS49 What Makes Biodiversity Data "Robot-Ready"? Standards, Infrastructure, and AI 60 minutes DISCUSSION	

	ORGANISERS: Jonas Grieb, James Macklin, Christian Bölling, Sam Leeflang, Wouter Addink, Michaela Grein, Volker Lohrmann, Etta Grotian, Claus Weiland Talk times: 12 minutes including questions and changeover Steen Dupont Old habits and new visions: Exploring the RECODE data model, future integration and data enhancement Erica Kimmel [VIRTUAL] The Unruliness of Higher Geography: What is it doing for us? Erica Kimmel [VIRTUAL] Mobilizing rich, interoperable, and secure fossil data from underserved collections using Symbiota Discussion Led by James Macklin and Jonas Grieb	ORGANISERS: Astrid Schmidt-Kloiber, Koen Martens, Vanessa Bremerich, Helen Dallas, Olaf Bánki Talk times: 15 minutes including questions and changeover Daniel Mietchen A collaborative perspective on a globally standardised river basin name database Bernhard Klöw Askedalen From "Lost in Translation" to Fit-for-Purpose Data: Why Ecologists and Conservation Practice Still Need groupings and cF Anne Lyche Solheim How does human impact change species diversity and composition in 50 types of inland water habitats? Discussion	MODERATORS: Ben Norton, Andre Zerger Talk times: 15 minutes including questions and changeover Patrick Ruch How Literature Services can Support & Benefit from Biodiversity Publication and Data Standards? Christian Langer From NetCDF to Web Maps: Building an Open-Source Web GIS for Biodiversity Data Cubes Neelesh Yadav [VIRTUAL] Role of Large Language Models for Biodiversity Data Discovery, Integration, and Curation: A Case Study of Dehradun Herbarium Dmitry Mozherin [VIRTUAL] Local scientific name resolution using custom data sources	ORGANISERS: Paco Pando, Serge Gofas, Pierre Bonnet, Alexandre Monro, Britt Lonneville, Visotheary Ung Talk times: 12 minutes including questions and changeover Introduction Serge Gofas Mapping geographical distributions in the World Register of Marine Species Britt Lonneville Marine Regions as a backbone for the TDWG Marine GeoScheme Paco Pando The new World Geographical Scheme for Recording (not only) Plant Distributions: process, progress and challenges Udayangani Liu Digitising Plant and Fungal Collections at Royal Botanic Gardens, Kew: Applying International Standards to Support Data Sharing and Geospatial Analysis Discussion	ORGANISERS: Hank Bart, Yasin Bakış	
Friday 25 September	FRIDAY SAL A	FRIDAY SAL B	FRIDAY SAL C	FRIDAY FORUM	FRIDAY ODIN	FRIDAY BALDER
8:30 - 10:00 (90 minutes)	CONFERENCE REGISTRATION OPEN					
	SYM47A Large Language Models for Biodiversity Data Discovery, Integration, and Curation AI-enabled knowledge creation and extraction ORGANISERS: Yasin Bakış, Bahadır Altıntaş, Cem Meydan Talk times: 12 minutes including questions and changeover Introduction Vincent Smith The Planetary Knowledge Base: an infinite solutions engine converting data into action for nature Arianna Salili-James SCRIBE: Structured Collection Record Interpretation and Bio-entity Extraction Grete Pasch From Historical Oology Cards to Structured Biodiversity Data: Multimodal LLM Transcription, Uncertainty Metrics, and Human Review Ian Ondo Using Large Language Models to enhance biodiversity knowledge extraction: From taxonomic treatments to graph-based knowledge systems Torsten Dikow [VIRTUAL] Automated data transcription and Darwin Core field itemization from insect specimen labels using machine learning Ishaipiriyar Karunakularatnam [VIRTUAL] LLM-Based Pipeline for Extracting Nomenclatural Acts from Taxonomic Literature Yagmur Gulec [VIRTUAL] Extracting Structured Biodiversity Knowledge from Literature with AI-Assisted Workflows	SYM32 May the Data Be Structured: Linking Descriptions, Identification and AI ORGANISERS: Adeline Kerner, Wouter Koch Talk times: 14 minutes including questions and changeover except for first talk at 20 minutes Adeline Kerner Ctrl+Alt+SDD: A Historical Review Toward a Standard Reboot Wouter Koch Structured identification keys complementing AI: closing the corpus bottleneck with AI-assisted digitisation Agathe Puissant [VIRTUAL] Beyond traditional identification keys: an example of hybrid identification method using deep learning and Xper3 keys for insect identification Regine Vignes Lebbe [VIRTUAL] Needs for data standards about sharing and analyzing identification tools usage Cyprien Pankowski The Iterative Signal-Based System (ISBS): Structuring Bioacoustic Data for Interpretable Identification Discussion	SYM07 Publishing and Communications Promoting Biodiversity, Natural History Collections, People, Data and Data Standards ORGANISERS: Shelley James, Julia Percy-Bower, Deborah Paul, Ely Wallis Talk times: 15 minutes including questions and changeover David Fichtmueller Approaches to the Automated Tracking of Taxonomic Research Activities Melissa Jean-Yi Liu Empowering and Expanding Communities from Knowledge to Best Practices in Data Mobilization: The TaiBIF Collaborator Training System Siobhan Leachman Bionomia, Scholia, Wikidata and Zenodo : broadcasting biodiversity data contributions Dmitry Schigel Handling evidence: a cross-disciplinary perspective Shelley James Hit or miss? Creative promotion of biodiversity data and standards for success and recognition Julie Winchester [VIRTUAL] A Network That Is Social: A Community-Based Model and Plan for Sustaining MorphoSource, a Scholarly 3D Data Repository	CO6 AI Driven Monitoring and Species Identification Moderator: Javier Molina Talk times: 15 minutes including questions and changeover Jamie Alison Standardizing Multimodal Insect Monitoring Data for AI-Ready Pipelines: Lessons from an InsectAI Community Datathon Peter Grobe From Standardized Field Methods to AI-Ready Knowledge: The LEPMON Project with the LAUP Infrastructure Stack for Automated Moth Monitoring Pranav Jha A Provenance-Aware Geospatial AI Pipeline for Auto-Labelling Multimodal Biodiversity Data: Application to Invasive <i>Prosopis juliflora</i> Mohammad Zafarul Islam Integrating advanced monitoring technologies for spatially explicit, ecosystem-based biodiversity conservation across diverse habitats in Saudi Arabia Md Abrar Al Foysol [VIRTUAL] Evaluating Four Machine Learning Using Google Earth Engine for Analyzing LULC Dynamics of Sandwip Island, Bangladesh	WKS33A Liberating and providing AI-ready data from the Natural History Literature 180 minutes WORKSHOP ORGANISERS: Chris Le Coquet, Laurence Bénichou, Donat Agosti, Patrick Ruch, Rainer Krug	WKS24 botanical checklists to GBIF 90 minutes WORKSHOP ORGANISERS: Lycka Kamoen, Niels Raes
10:00- 10:30	MORNING TEA and take POSTERS down					
10:30 - 12:00 (90 minutes)	SYM47B Large Language Models for Biodiversity Data Discovery, Integration, and Curation AI applications, integration, and validation ORGANISERS: Yasin Bakış, Bahadır Altıntaş, Cem Meydan	SYM36 Designing Institutional Knowledge Data Science Centres for Biodiversity ORGANISERS: Peter Grobe, Lars Vogt, Carina Goretzky, Björn Quast, Sheikh Mastura Farzana	SYM28 From Standards to Implementation: Connecting Observation Data in Asia to GBIF Infrastructure ORGANISERS: Kumiko Totsu, Melissa Jean-Li Liu, Christian Elloran		WKS33B Liberating and providing AI-ready data from the Natural History Literature 180 minutes WORKSHOP ORGANISERS: Chris Le Coquet, Laurence Bénichou, Donat Agosti, Patrick Ruch, Rainer Krug	

	Talk times: 12 minutes including questions and changeover	Talk times: 15 minutes including questions and changeover	Talk times: 15 minutes including questions and changeover		
	Bahadır Altıntaş Automated Landmark Detection for Scalable Morphometric Data Extraction from Digitized Fish Collections	Lars Vogt The LIB Open Knowledge Space: A semantic architecture for FAIR, CLEAR, and AI-ready biodiversity knowledge	Introduction		
	Steen Dupont Contained Agentic Workflow for Literature Analysis and Data Extraction in Museum Collections	Patricia Mergen Strengthening Taxonomic capacity and Biodiversity Information in Education	Jhu-Jyun Jhang Building a Living Publication Workflow for Long-Term Social-Ecological Monitoring Data: The Taiwan LTSEr Experience		
	Rod Page Curation through citation: using AI and a knowledge graph to curate DNA barcodes	El-Amine Mimouni (VIRTUAL) Enabling machine-readable access to biodiversity data through federated semantic querying	Kumiko Totsu Snapshot Japan: A Community-Driven Network for Large-Scale Wildlife Biodiversity Monitoring Using Camera Traps		
	Michael Elliott Integrating Many Data Sources in iChatBio Enables Emergent Scientific Use Cases	Tarek Al Mustafa Prototype: The Semantic Units Framework and Rosetta Statements for Knowledge Graph Construction Workflows	Yeshan Qiu Reporting structure and sampling-bias correction in citizen-science bird data across Asian cities		
	Roselyn Gabud (VIRTUAL) Enhancing Biodiversity Georeferencing Using Large Language Models and Knowledge Graphs	Matthew Yoder What is the Role of "AI" in the Centers for Biodiversity Informatics of the Future?	Jerome Chie-Jen Ko (VIRTUAL) From sampling-event datasets to the Humboldt Extension: a TaiBIF assessment and pilots for long-term monitoring in Taiwan		
	Andrew Tokmakoff (VIRTUAL) Reliable LLM-assisted curation of ecological survey data: a deployed agent bridging field collection and data curation	Discussion	Christian Elloran ASEAN Biodiversity Dashboard as a data sharing platform to monitor biodiversity trends and species occurrences in the ASEAN Region		
	Brooke Long-Fox (VIRTUAL) Validating LLM-Extracted Biodiversity Data to Preserve Scientific Meaning		Closing remarks		
	Closing remarks				
12:00 - 13:00	LUNCH				
13:00 - 15:00 (120 minutes)	UNCONFERENCE				
	ORGANISERS: Javier Molina, Deborah Paul, Chandra Earl, Shelley James, Esteban Marentes Herrera, Nicky Nicolson				
15:00 - 15:30	AFTERNOON TEA				
15:30 - 16:30 (60 minutes)	CLOSING SESSION and TDWG Business meeting				
	ORGANISERS: David Bloom, Elie Saliba, Stan Blum				