

7.30 - 9AM **Registrations Desk Open**
The Link

9 - 10.30AM **Disaster Planning/ Managing Risk 3**
Burns 1 (288)

[1. Earthquake Mitigation Solutions for Collections - Experience from New Zealand's National Museum. - Antony Kusabs \(9-9.20 am\) \[BISS 26598\]](#)

[2. Edifice Complex: Managing Risk During Construction. - Jeffrey Hirsch \(9.20-9.40 am\) \[BISS 26119\]](#)

[3. Building the Beaty: Creating, Maintaining, and Growing a Publicly Accessible Biodiversity Museum Collection in the Pacific Ring of Fire. - Christopher Stinson \(9.40-10 am\) \[BISS 26273\]](#)

[4. After the Fall. - Meghann Toner \(10-10.20 am\) \[BISS 28075\]](#)

W05 - Developing a mechanism to coordinate planning and investment in biodiversity informatics. Organiser - Donald Hobern.

Burns 2 (175)

Completing the Data Pipeline: Collections Data Use in Research, Education and Outreach. Organisers - Gil Nelson and Molly Phillips.

Burns 7 (88)

[1. The Impact of Digitization and Digital Data Mobilisation on Biodiversity Research and Outreach. - Gil Nelson. Presented by Randy Singer \(9-9.20 am\) \[BISS \]](#)

[2. Increasing the Research Value of Digitized Fossil Museum Specimens via Integrated Stable Isotope Data. - Bruce J MacFadden. Presented by Sean Moran \(9.20-9.40 am\) \[BISS 26567\]](#)

[3. Preparing the Next Generation of Data-Driven Scientists through the Biodiversity Literacy in Undergraduate Education - Data Initiative \(BLUE Data\). - Anna Monfils and Elizabeth Ellwood \(10.20-10.40 am\) \[BISS 27162\]](#)

[4. Tools and Techniques of Implementation Science to Support Wide-Spread Adoption of Biodiversity Literacy Standards. - Natalie Douglas \(10.40-11 am\) \[BISS 27160\]](#)

10.30 - 11AM **Coffee Break**

11 - 12.30PM **Disaster Planning/ Managing Risk 4**
Burns 1 (288)

[1. Panel Discussion: Institutional Earthquakes and Recovery Experiences: Continuing to be Collections Stewards in an Uncertain World. - Carol R. Butler and Christiane Quaisser \(11-12.30 am\) \[BISS 26570\]](#)

11 - 12.30PM S02 - Species-centered projects, tools and methods. Organisers - Francisco Pando, Chuck Miller and Erick Mata; Moderators - Chuck Miller & Francisco Pando; Timer - William Ulate.

Burns 2 (175)

[1. Aggregation and Synthesis of Taxon Information in the Encyclopedia of Life. - Katja Schulz \(11-11.15 am\) \[BISS 25852\]](#)

[2. A Content Management System and underlying models for avian taxonomic monographs. - Jeff Gerbracht \(11.15-11.30 am\) \[BISS 25693\]](#)

[3. Towards an Integrated Species Distribution Modelling Environment. - Tania Laity \(11.30-11.45 am\) \[BISS 25165\]](#)

[4. Descriptive Data Challenges for the World Flora Online - Chuck Miller \(11.45 am-12 pm\) \[BISS 26731\]](#)

[5. The Online Pollen Catalogs Network \(RCPol\). - Antonio Mauro Saraiva \(12-12.15 pm\) \[BISS 25658\]](#)

[6. Comparison of species information TDWG standards from the point of view of the Plinian Core specification - Francisco Pando \(12.15-12.30 pm\) \[BISS 25869\]](#)

S13 - Metabarcoding, Metagenomics and Biomonitoring. Organiser - Patricia Mergen.

Burns 5 (50)

[1. Detecting and identifying ectomycorrhizal fungi in New Zealand silver beech \(*Lophozonia menziesii*, Nothofagaceae\) forest: a case study - David A Orlovich \(11-11.15 am\) \[BISS 25982\]](#)

[2. Microbes matter: integrating microbial sequence information for biodiversity - Kelly Ramirez \(11.15-11.30 am\) \[BISS 26009\]](#)

[3. Let me see your iD: Impacts of Environmental Stressors on Aquatic Ecosystems Assessed by \(e\)DNA Metabarcoding - Romana K Salis \(11.30-11.45 am\) \[BISS 25983\]](#)

[4. DNAqua-Net or how to navigate on the stormy waters of standards and legislations - Patricia Mergen \(11.45 am-12 pm\) \[BISS 25953\]](#)

Discussion (12-12.30 pm)

Completing the Data Pipeline: Collections Data Use in Research, Education and Outreach.

Burns 7 (88)

[5. Emerging Education Resources and Initiatives: Harnessing the Potential of Disciplinary Societies to advance Biodiversity literacy. - Teresa Mourad \(11 -11.20 am\) \[BISS 27176\]](#)

[6. Engaging K-12 Audiences with Biodiversity Data through Advancing Digitization for Biodiversity Collections. - Molly Phillips \(11.20-11.40 am\) \[BISS 26473\]](#)

11 - 12.30PM [7. A model for Creating Connections and Building Collections-Based Curricula for Pre-College Educators. - Gabriela M. Hogue \(11.40-12 pm\) \[BISS 27037\]](#)

[8. Broadening Participation in an Increasingly Digitized World. - Jeanette Pirlo \(12-12.20 pm\) \[BISS 25972\]](#)

W11 - Workshop of the TDWG Data Quality Interest Group. Organsier - Arthur Chapman.
Castle D (40)

12.30 - 2PM **Lunch**

IG/TG01 ABCD
Castle B (32)

IG/TG05 Fundraising and Partners
Castle D (40)

EMP Lunch
Otago Museum

2 - 3.30PM **Collections Management 1**
Burns 1 (288)

[1. Rescue of a large Orphaned Herbarium Collection: Addressing the Security, Accessibility, and Repatriation of the NLU Herbarium. - Tiana Rehman \(2-2.20 pm\) \[BISS 26312\]](#)

[2. Size Doesn't Matter: Fundamental Requirements in Relocating a Herbarium. - Frank Hemmings \(2.20-2.40 pm\) \[BISS 25991\]](#)

[3. Collections Management During a Major Move. - Jeffrey T. Stephenson \(2.40-3 pm\) \[BISS 26577\]](#)

4. The Uncertainty of Space: Keeping Cool With a Shared Freezer. - Cody Phillips (3-3.20 pm) [BISS]

S07 - Citizen Science and Biodiversity Informatics for Natural History Collections and Field Observations. Organisers - Rob Stevenson, Elizabeth Ellwood and Peter Benton; Moderator - Elizabeth Ellwood; Timer - Rob Stevenson.
Burns 2 (175)

[1. A three-pronged strategy to improve trust in biodiversity data produced by citizen science programs - Robert Stevenson \(2-2.20 pm\) \[BISS 25838\]](#)

[2. BioCollect - A modern cloud application for standards-base field data recording - Peter Brenton \(2.20-2.40 pm\) \[BISS 25439\]](#)

[3. A fork in the alphabet soup: DoeDat a multilingual crowdsourcing platform - Quentin Groom \(2.40-3 pm\) \[BISS 25148\]](#)

2 - 3.30PM

[4. Improving Data Quality in eBird- the Expert Reviewer Network - Steve Kelling \(3-3.20 pm\) \[BISS 25394\]](#)

S14 - Linking biodiversity data through phylogenetic knowledge. Organiser - Guanyang Zhang; Moderator - Nico Cellinese.

Burns 5 (50)

[1. Parasites are Particularly Problematic - Susan Perkins \(2-2.30 pm\) \[BISS 25604\]](#)

[2. Nurturing a sustainable Open Tree of Life - Emily Jane McTavish \(2.30-2.45 pm\) \[BISS 25727\]](#)

[3. Phenomap - Challenges and Successes in Bringing Together Multiple Data Projects to Build New Visualizations of Phenotypic Information and Specimen Records - Matthew Collins \(2.45-3 pm\) \[BISS 25698\]](#)

[4. Parasitism in Eukaryota - Reconstruction of Ancestral and Unavailable Extant States - Lydia Buntrock \(3-3.15 pm\) \[BISS 25739\]](#)

[5. Phylogeny Based Biodiversity Data Queries - Scott Chamberlain \(3.15-3.30 pm\) \[BISS 25589\]](#)

Completing the Data Pipeline: Collections Data Use in Research, Education and Outreach.

Burns 7 (88)

[9. Expanding Core Capability in Digitisation by Sharing of Resources: the CSIRO Collections Program for Digitisation of Collection Specimens. - Nicole Fisher \(2-2.20 pm\) \[BISS 27246\]](#)

[10. The ePANDDA project: linking the Paleobiology Database, iDigBio, and iDigPaleo for biological and paleontological research, collections management, and outreach. - Jocelyn A. Sessa \(2.20-2.40 pm\) \[BISS 26644\]](#)

[11. Bringing back the Buzzing of the Bees: Enhancing the Discovery of Fossil Insect Collections with the ePANDDA API. - Austin J. Hendy \(2.40-3 pm\) \[BISS 26496\]](#)

[12. Lessons Learned in the Creative and Entertainment Industry for User Engagement Applied to Museum Collections 3D Digitization Strategy.. - Jiri Frank \(3-3.20 pm\) \[BISS 25712\]](#)

W05 - Developing a mechanism to coordinate planning and investment in biodiversity informatics. Organiser - Donald Hobern.

Castle B (32)

Digitisation and Collections Data 1

Castle C (40)

[1. Adaptation of Darwin Core Standards and Development of New Standards for Geologic Specimens. - Christina Byrd \(2-2.20 pm\) \[BISS 25929\]](#)

2 - 3.30PM

[2. Producing High-Quality 3-D Models for Specimen Research with the Creaform 3-D Scanner at the Sternberg Museum of Natural History. - Edward Shelburne \(2.20-2.40 pm\) \[BISS 25908\]](#)

[3. Kurator: Tools for Improving Fitness for Use of Biodiversity Data. - Paul J. Morris \(2.40-3 pm\) \[BISS 26539\]](#)

[4. Putting your Finger upon the Simplest Data. - Arturo H. Arino \(3-3.20 pm\) \[BISS 26300\]](#)

W11 - Workshop of the TDWG Data Quality Interest Group. Organiser - Arthur Chapman.
Castle D (40)

3.30 - 4PM

Coffee Break

4 - 5.30PM

Collections Management 2

Burns 1 (288)

[1. Jar-by-Jar: Curation Improvements to the Herpetology Collection at CUMNH. - Emily Braker \(4-4.20 pm\) \[BISS 25853\]](#)

[2. From Thorne to APG IV: Reorganization of the Digital and Physical Collections of the Rancho Santa Ana Botanic Garden Herbarium. - Mare Nazaire \(4.20-4.40 pm\) \[BISS 25768\]](#)

[3. Reviving a Dormant Collection: Updating the Invertebrate Zoology Collection at the University of Kansas Biodiversity Institute for Future Use and Accessibility. - Vanessa Delnavaz \(4.40-5 pm\) \[BISS 26716\]](#)

S07 - Citizen Science and Biodiversity Informatics for Natural History Collections and Field Observations. Organisers - Rob Stevenson, Elizabeth R, Ellwood and Peter Benton; Moderator - Elizabeth Ellwood; Timer - Rob Stevenson.

Burns 2 (175)

[5. Improving Data Quality in Citizen Science Apps for Conservation Biology - Alan Stenhouse \(4-4.20 pm\) \[BISS 26665\]](#)

[6. A Multi-platform Mobile Application to Collect Citizen Science Data for Bignoniaceae Phenological Research - Antonio M Saraiva \(4.20-4.40 pm\) \[BISS 25582\]](#)

[7. Automated Identification of Citizen Science Observations for Ecological Studies - Pierre Bonnet \(4.40-5 pm\) \[BISS 25450\]](#)

[8. Supporting citizen scientists with automatic species identification using deep learning image recognition models - Maarten Schermer \(5-5.20 pm\) \[BISS 25268\]](#)

4 - 5.30PM **S14 - Linking biodiversity data through phylogenetic knowledge. Organiser - Guanyang Zhang; Moderator - Emily Jane McTavish.**
Burns 5 (50)

[6. Integrating Phylogenetics and Morphology to Study Diversification and Species Limits in Madagascar's Tenrecs \(Tenrecidae\) - Kathryn M. Everson \(4.15-4.15 pm\) \[BISS 25936\]](#)

[7. All the Clades in the World: Building a Semantically-Rich and Testable Ontology of Phylogenetic Clade Definitions - Gaurav Vaidya \(4.14-4.30 pm\) \[BISS 25776\]](#)

8. Panel Discussion (4.45-5.30 pm)

Completing the Data Pipeline: Collections Data Use in Research, Education and Outreach.

Burns 7 (88)

[13. Herbaria as Functional Trait Databases. - Sofie Meeus \(4-4.20 pm\) \[BISS 25766\]](#)

[14. Natural History Collection Data: Traits to Identify Plant-Pollinator Interactions in a Spatial Context. - Rafael Cabral Borges \(4.20-4.40 pm\) \[BISS 25857\]](#)

[15. FishfindR.net: A New Tool for Fish Biodiversity Collections Communication. - Randal Singer \(4.40-5 pm\) \[BISS 26220\]](#)

16. Discussion (5-5.30 pm)

Digitisation and Collections Data 2

Castle C (40)

[1. Specimens, Databases, and Accession Books: Using TaxonWorks to Integrate Multiple Sources of Modern and Historical Data in the INHS Insect Collection. - Thomas McElrath \(4-4.20 pm\) \[BISS 25896\]](#)

[2. A Workflow for Adding Specimen Metadata to Images Captured in the Field. - Richard Levy \(4.20-4.40 pm\) \[BISS 26247\]](#)

[3. Dancing Tables: Digitizing 11,000 Film-based Slides in Ten Days. - Lisa Palmer \(4.40-5 pm\) \[BISS 28093\]](#)

[4. Managing a Mass Digitization Project at Meisei Botanic Garden: From Start to Finish. - Henry Engledow \(5-5.20 pm\) \[BISS 25912\]](#)

6 - 7PM

Sponsors' Cocktails

Otago Museum