

7.30 - 9AM **The Link**
Registrations Desk Open and Poster Set-up

9 - 10.30AM [Keynote Address: The change Imperative: Accelerating the pace of Biodiversity Discovery and Documentation.](#) - Hamish Holewa, Lee Belbin and Elicia Wallis (9.00-9.45 am) [BISS 28131]
Castle 2 (415)

Keynote Address: If Only They Could Speak. - Dr Priscilla Wehi (9.45-10.30 am)
Castle 2 (415)

10.30 - 11AM **Coffee Break**

11 - 12.30PM **S03 - Biodiversity Heritage Library: Strategies for Improving Research Efficiency and Delivering Biodiversity Data through Digital Library Collections.**
Organizer - Carolyn Sheffield; Moderator - Constance Rinaldo.
Burns 2 (175)

[1. Outreach Strategies to Engage Citizen Scientists: Insights from the Biodiversity Heritage Library](#) - Grace Costantino (11-11.20 am) [BISS 25641]

[2. How A Citizen Scientist Can Reuse & Link Biodiversity Heritage Library Data](#) - Siobhan Leachman (11.20-11.40 am) [BISS 25298]

[3. What are we DOInG about the Missing Links? Connecting Taxonomic Names to the Linked Network of Scholarly Research](#) - Nicole Kearney (11.40 am-12 pm) [BISS 25700]

[4. Improving Search Efficiency in the Biodiversity Heritage Library Corpus](#) - Carolyn A. Sheffield (12-12.20 pm) [BISS 25586]

Contributed 2. Moderator - Julia Kasper
Burns 5 (50)

[1. Best practices for connecting genetic records with specimen data](#) - Michael Trizna (11-11.15 am) [BISS 26369]

[2. Best practices for setting up a repository of phenotypic data for European germplasm holdings](#) - Stephan Weise (11.15-11.30 am) [BISS 25223]

[3. Discussion of the Method for Constructing Animal Traits](#) - Jiangning Wang (11.30-11.45 am) [BISS 26168]

[4. Automated Trait Extraction using ClearEarth, a Natural Language Processing System for Text Mining in Natural Sciences](#) - Anne Thessen (11.45 am-12 pm) [BISS 26080]

[5. Using Semantics for morphological Descriptions in Morph•D•Base](#) - Christian Köhler (12-12.15 pm) [BISS 25535]

11 - 12.30PM Collections Access and Use 3. Moderator - Anusha Beer
Burns 7 (88)

[1. Overcoming the Tyranny of Distance: Revealing Type Collections Down-Under. - Wilma Blom \(11-11.20 am\) \[BISS 26280\]](#)

[2. Integration and Curation of At-Risk Collections into the Scripps Institution of Oceanography Collections. - Benjamin Frable \(11.20-11.40 am\) \[BISS 26259\]](#)

[3. A Case Study for Connecting Collections and Ecological Research. - Richard Levy \(11.40-12 am\) \[BISS 26008\]](#)

[4. Labels, Ledgers, Scribbles and Scraps: Uncertain Historical Data. - Rosi Crane \(12-12.20 pm\) \[BISS 25784\]](#)

W12 - Standards for Interoperability for Bio-logging Data. Moderator - Peggy Newman; Timer - Holger Dettki.
Castle B (32)

[1. What Went Where When? Representing Animal Movements as Simple Darwin Core Occurrences - Peggy Newman \(11-11.10 am\) \[BISS 25664\]](#)

[2. Setting the Stage – The Life Cycle of Bio-logging Data: Origin, Mobilization and Data Exchange - Holger Dettki \(11.10-11.25 am\) \[BISS 25914\]](#)

[3. Outcomes of the International Oceanographic Data and Information Exchange Ocean Biogeographic Information System OBIS-Event-Data Workshop on Animal Tagging and Tracking - Abigail Benson \(11.25-11.40 am\) \[BISS 25728\]](#)

4. Discussion (11.40 am-12.30 pm)

Conservation 3. Moderator - Fran Ritchie
Castle C (40)

[1. 100 Years of Adhesives: Knowing What Sticks. - Julie McIntosh Shapiro \(11-11.20 am\) \[BISS 26147\]](#)

[2. Measuring and Mitigating Mercury Gases in the Museums Victoria Collection. - Danielle Measday \(11.20-11.40 am\) \[BISS 27044\]](#)

[3. Pyrite Rehousing – Recent Case Studies at Two Australian Museums. - Sheldon Teare \(11.40-12 am\) \[BISS 26343\]](#)

11 - 12.30PM W18 - Names for Biodiversity. Organiser - Greg Whitbread.
Castle D (40)

12.30 - 2PM **Lunch**

SIG -Harnessing Biodiversity Collections Data for Addressing Global Challenges

Burns 7 (88)

IG/TG07 Outreach

Castle B (32)

IG/TG06 Literature

Castle D (40)

Short Tours of Geology or Anatomy Museums

Meeting Point: Registration Desk

2 - 3.30PM **Disaster Planning/ Managing Risk 1** . Moderator -Sue Cooper

Burns 1 (88)

[1. This Old Herbarium: APHIS Compliance and Renovation Planning.](#) - Erika M. Gardner (2-2.20 pm) [BISS 28122]

[2. Unexpected Faults: Managing Entomology Collections through the 2010/11 Canterbury Earthquakes.](#) - John W. M. Marris (2.20-2.40 pm) [BISS 27268]

[3. Planning for when Push Comes to Shove: Mitigating Risk; Recovering from Disaster.](#) - Dermot Henry (2.40-3 pm) [BISS 26126]

[4. Catching up with Archives – Disaster preparedness and the Protection of Cultural Heritage in Berlin Museums.](#) - Peter Giere (3-3.20 pm) [BISS 26337]

S08 - Biodiversity Data Quality – alpha to omega.

Moderator - Arthur Chapman; Timer - Antonio Saraiva.

Burns 2 (175)

[1. Data Quality Task Group 2: Tests and Assertions](#) - Lee Belbin (2-2.15 pm) [BISS 25608]

[2. Vocabularies of Values: Tackling the Heterogeneity Problem](#) - Paula Zermoglio (2.15-2.30 pm) [BISS 25438]

[3. Avoiding Conflicting Assertions: Approaches to Developing Consistent Test Implementations](#) - Paul J Morris (2.30-2.45 pm) [BISS 25324]

[4. An Integrated Data Quality System for Species Observations](#) - Steve Kelling (2.45-3 pm) [BISS 25395]

[5. Data Quality in Data Exchanges: a Tri-Part Approach in the French Information System on Nature and Landscapes](#) - Remy Jomier (3-3.15 pm) [BISS 25176]

Discussion (3.15-3.30 pm)

2 - 3.30PM

Collections Access and Use 4. Moderator - Anna Wood
Burns 7 (88)

[1. Building Next-Generation Collections: Natural History Specimens, Just One Click Away!](#) - Kamal Khidas (2-2.20 pm) [BISS 26145]

[2. Mapping Marine Biodiversity: Using Open Source GIS Tools to Visualise and Extract Collection Data.](#) - Sadie Mills (2.20-2.40 pm) [BISS 25787]

[3. Plants and People: How Plant Collections can Connect Artefacts and Culture.](#) - Catherine Smith (2.40-3 pm) [BISS 28278]

[4. The Preservation of Two Leopard Seals \(*Hydruga leptonyx*\), Ten Years Apart.](#) - Emma Burns (3-3.20 pm) [BISS 26682]

W07 - Improving research linking and visibility of specimens and physical samples through standardised identifiers and metadata.

Organiser - Donald Hobern.
Castle B (32)

[1. Specimen Identifiers in Related Disciplines: What can Biodiversity Learn from and Offer to Other Fields?](#) - Kerstin Lehnert (2-2.20 pm) [BISS 26615]

[2. Identifiers as Mechanisms for Linking Archaeological Data across Repositories](#) - Laura Brenskelle (2.20-2.40 pm) [BISS 26471]

[3. Standardised Globally Unique Specimen Identifiers](#) - Anton Güntsch (2.40-3 pm) [BISS 26658]

[4. Options to Apply the IGSN Model to Biodiversity Data](#) - Donald Hobern (3-3.20 pm) [BISS 27087]

Education and Science Communications 1. Moderator - Kate Timms-Dean
Castle C (40)

[1. Beyond the Museum Walls: Developing Inexpensive Discovery Trunks for k-12.](#) - Julia E Robinson (2-2.20 pm) [BISS 25925]

[2. Discovering New Fungal Species to Kick-Start a Passion for Science](#) - Mahajabeen Padamsee (2.20-2.40 pm) [BISS 26085]

[3. Engaging Children with Herbarium Specimens at Royal Botanic Gardens Kew's Science Festival.](#) - Melissa Bavington (2.40-3 pm) [BISS 25933]

[4. Turning a Recently-Donated Mineral Collection into a Multifaceted Learning Experience.](#) - Jess Miller-Camp (3-3.20 pm) [BISS 27073]

W14 - Deep Learning for Biodiversity.

Moderators - Erick Mata & Francisco Pando; Timer - Lara Lloret.
Castle D (40)

[1. Applications of Deep Learning in Ornithology](#) - Jessie Barry (2-2.15 pm) [BISS 27251]

2 - 3.30PM

[2. Convolutional Neural Networks for Phytoplankton identification and classification - Lara Lloret \(2.15-2.30 pm\) \[BISS 25762\]](#)

[3. Deep learning for plant identification: how the web can compete with human experts - Hervé Goëau \(2.30-2.45 pm\) \[BISS 25637\]](#)

[4. Deep Learning for Forest Species Identification Based on Macroscopic Images - Erick Mata-Montero \(2.45-3 pm\) \[BISS 25261\]](#)

[5. A Pipeline for Deep Learning with Specimen Images in iDigBio - Applying and Generalizing an Examination of Mercury Use in Preparing Herbarium Specimens - Matthew Collins \(3-3.15 pm\) \[BISS 25699\]](#)

[6. A Methodological Proposal for Collecting and Creating Macroscopic Photograph Collections of Tropical Woods with Potential for Use in Deep Learning - Erick Mata-Montero \(3.15-4 pm\) \[BISS 25260\]](#)

3.30 - 4PM

Coffee Break

4 - 5.30PM

Disaster Planning/ Managing Risk 2. Moderator - JP Brown
Burns 1 (288)

[1. Developing a GIS of Hazards for Canadian Cultural Institutions. - Tom Strang \(4-4.20 pm\) \[BISS 26305\]](#)

[2. ALERT Lessons From A Biosecurity Disaster. - Gill Brown \(4.20-4.40 pm\) \[BISS 25941\]](#)

[3. Using Data From Index Herbariorum to Assess Threats to the World's Herbaria. - Barbara Thiers \(4.40-5 pm\) \[BISS 26440\]](#)

[4. Adhesives and the Herbarium: International Survey and Application of the Results in Analysis of the Influence of Conservation Materials on DNA of Herbarium Specimens. - Magdalena Grenda-Kurmanow \(5-5.20 pm\) \[BISS 25583\]](#)

S08 - Biodiversity Data Quality – alpha to omega.

Moderator - Lee Belbin; Timer - Antonio Saraiva
Burns 2 (175)

[6. Sample Management Across the National Ecological Observatory Network - Christine M Laney \(4-4.15 pm\) \[BISS 25351\]](#)

[7. Georeferencing and data quality: SANBI's story - Fhatani Ranwashe \(4.15-4.30 pm\) \[BISS 25310\]](#)

[8. The Online Pollen Catalogs Network \(RCPol\) data quality assurance system - Allan Koch Veiga \(4.30-4.45 pm\) \[BISS 25657\]](#)

4 - 5.30PM [9. Whip: Communicate and Test What to Expect from Data - Peter Desmet \(4.45-5 pm\) \[BISS 25317\]](#)

Discussion (5-5.30 pm)

Collections Access and Use 5. Moderator - Priscilla Wehi
Burns 7 (88)

[1. The Importance of Museum Biomaterial Resources and Specimen Records for the Advancement of Zoological Research in Southern Africa. - Zamawelase Mwelase \(4-4.20 pm\) \[BISS 26350\]](#)

[2. Subsistence Practices, Past Biodiversity, and Anthropogenic Impacts Revealed by New Zealand-Wide Ancient DNA Survey. - Nic Rawlence \(4.20-4.40 pm\) \[BISS \]](#)

[3. A New Method to Access Isotopic Signatures on Preserved Fish Specimens. - Steve Wing \(4.40-5 pm\) \[BISS 26597\]](#)

[4. Global Genomic Resources for Biodiversity Research. - Jonathan Coddington \(5-5.20 pm\) \[BISS 28440\]](#)

W07 - Improving research linking and visibility of specimens and physical samples through standardised identifiers and metadata.

Organiser - Donald Hobern.
Castle B (32)

Discussion (4-5.30 pm)

Education and Science Communications 2. Moderator - Tahu Mackenzie
Castle C (40)

[1. Project Paleo: Citizen Curation and Community Science at the Natural History Museum of Los Angeles County. - Elizabeth R Ellwood \(4-4.20 pm\) \[BISS 25980\]](#)

[2. "Critter of the Week": Wikipedia as a Museum Outreach Tool. - Mike Dickison \(4.20-4.40 pm\) \[BISS 25798\]](#)

[3. Digital Construction Kit: 3D Computer Graphics for Creative and Accessible use of Museum Collections. - Jiri Frank \(4.40-5 pm\) \[BISS 26023\]](#)

W14 - Deep Learning for Biodiversity.

Moderators - Erick Mata & Francisco Pando; Timer - Lara Lloret.
Castle D (40)

[7. Deep learning for weed identification based on seed images - Francisco Pando \(4-4.15 pm\) \[BISS 25749\]](#)

[8. Technology Developments for Biodiversity Monitoring and Conservation - Steve Kelling \(4.15-4.30 pm\) \[BISS 25833\]](#)

5.30 - 6.30PM **SPNHC Council Meeting**
Otago Museum Boardroom

6.30 - 9PM **Quiz Night at Lone Star**
484 George Street