

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

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**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 Pricilla Wehi (9.45-10.30 am)

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**10.30 - 11AM**    **Coffee Break**

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**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**

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**

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**

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 \(11.40-12 am\) \[BISS 26343\]](#)

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### 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/TG03 Audubon Core**

Castle B (32)

**IG/TG06 Literature**

Castle D (40)

**Short Tours of Geology or Anatomy Museums**

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2 - 3.30PM **Disaster Planning/ Managing Risk 1**

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**

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. Global Genomic Resources for Biodiversity Research. - Jonathan Coddington (2.40-3 pm) [BISS ]

[4. The Preservation of Two Leopard Seals \(\*Hydrurga leptonyx\*\), 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**

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 \(3.15-4 pm\) \[BISS 25260\]](#)

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3.30 - 4PM

### Coffee Break

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4 - 5.30PM

### Disaster Planning/ Managing Risk 2

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**

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. - Leonardo Durante \(4.40-5 pm\) \[BISS 26597\]](#)

### **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**

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 \(4.15-4.30 pm\) \[BISS 25833\]](#)

Discussion (4.30-5.30 pm)

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5.30 - 6.30PM **SPNHC Council Meeting**

Otago Museum

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6.30 - 9PM **Quiz Night at Lone Star**

External Venue