7.30 - 9AM

Registrations Desk Open
The Link

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9 - 10.30AM

Disaster Planning/ Managing Risk 3. Moderator - Julian Carter
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]

S06 - Science Powered by Informatics. - The Next Steps.
Organisers - Abigail Benson and Robert Guralnick.
Burns 2 (175)

1. Introduction (2-2.05 pm)

2. New Requirements of Biodiversity Research for Metadata on Models and Sensors on the Internet of Things and Big Data Era - Wilian França Costa (2.05-2.20 pm) [BISS 25653]

3. Current progress in the development of taxonomic and anatomical ontologies within the scope of BIOfid - Markus Koch (2.20-2.35 pm) [BISS 25585]

4. The Open Biodiversity Knowledge Management (eco-)System: Tools and Services for Extraction, Mobilization, Handling and Re-use of Data from the Published Literature - Teodor Georgiev (2.35-2.50 pm) [BISS 25748]

5. Published examples using the new Chronometric extension to Darwin Core - Laura Brenskelle (2.50-3.05 pm) [BISS 25694]

6. Discussion (3.05-3.30 pm)

Completing the Data Pipeline: Collections Data Use in Research, Education and Outreach. Organisers - Gil Nelson and Molly Phillips.
Moderator - Anna Monfils
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 28470]

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]

9 - 10.30AM

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 (9.40-10 am) [BISS 27162]

4. Tools and Techniques of Implementation Science to Support Wide-Spread Adoption of Biodiversity Literacy Standards. - Natalie Douglas (10-10.20 am) [BISS 27160]

10.30 - 11AM   **Coffee Break**

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11 - 12.30PM   **Disaster Planning/ Managing Risk 4.** Moderator - Lisa Yeats
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]

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]

11 - 12.30PM

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. Organisers - Gil Nelson and Molly Phillips.
Moderator - Anna Monfils
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]

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
Hutton Theatre, Otago Museum

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2 - 3.30PM

Collections Management 1. Moderator - Nyssa Mildwaters
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]

2 - 3.30PM

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 28311]

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]

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. Organisers - Gil Nelson and Molly Phillips.
Moderator - Anna Monfils
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]

2 - 3.30PM

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. Organisers - Donald Hobern and Thomas Orrell.
Moderator - Rebecca Synder
Castle B (32)

Digitisation and Collections Data 1. Moderator - Robert Morris
Castle C (40)

1. Biodiversity: Local Implementation. - Rebecca Snyder (2-2.20 pm) [BISS 28153]

2. Collections Management and High-Throughput Digitization using Distributed Cyberinfrastructure Resources. - Gary Motz (2.20-2.40 pm) [BISS 25643]

3. Inter-institutional Training of Biodiversity Informatics Specialists. - Robert D. Montoya (2.40-3 pm) [BISS 27339]

4. Establishing a New Framework for Paleontological Data Through an Evaluation of Current Data Sharing Practices. - Holly Little (3-3.20 pm) [BISS 25437]

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

3.30 - 4PM   **Coffee Break**

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4 - 5.30PM   **Collections Management 2.** Moderator - Dani Measday
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]

4 - 5.30PM

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]

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 (4.00-4.15 pm) [BISS 25936]

7. All the Clades in the World: Building a Semantically-Rich and Testable Ontology of Phylogenetic Clade Definitions - Gaurav Vaidya (4.15-4.30 pm) [BISS 25776]

8. Panel Discussion (4.30-5.30 pm)

Completing the Data Pipeline: Collections Data Use in Research, Education and Outreach. Organisers - Gil Nelson and Molly Phillips.
Moderator - Anna Monfils
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. Moderator - Kane Fleury
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]

4 - 5.30PM 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 Meise Botanic Garden: From Start to Finish. - Henry Engledow (5-5.20 pm) [BISS 25912]

6 - 7PM **Sponsors' Cocktails**
Otago Museum