

TDWG2017 DRAFT PROGRAM

Ottawa, Ontario, CANADA

PREPARED SEPTEMBER 5, 2017

Saturday, 30 September 2017

9:00 AM - 4:30 PM Data Carpentry Workshop, *Canadian Museum of Nature, 240 McLeod St, Ottawa*

Sunday, 01 October 2017

9:00 AM - 4:30 PM Data Carpentry Workshop, *Canadian Museum of Nature, 240 McLeod St, Ottawa*

9:00 AM - 5:00 PM TDWG Executive, *Bytowne*

9:00 AM - 5:00 PM Interest Group/Task Group, *Capitale*
IG01: Data Quality
Organizer: Arthur D. Chapman, Antonio M. Saraiva

5:30 PM - 8:00 PM Registration, *Panorama*

6:00 PM - 9:00 PM Welcome Reception, *Panorama*

Monday, 02 October 2017

8:00 AM - 9:00 AM	Registration, <i>Ballroom A</i>
8:30 AM - 9:00 AM	Load Talks, <i>Bytowne</i>
9:00 AM - 9:40 AM	Welcoming remarks, <i>Ballroom A</i>
9:40 AM - 10:30 AM	Keynote: Roderic D.M. Page - Towards a Biodiversity Knowledge Graph, <i>Ballroom A</i>
10:30 AM - 11:00 AM	Break, <i>Ballroom B/C</i>

Contributed Talks (Part 1)

Ballroom A

11:00 AM - 11:15 AM	Associating Occurrences with Genes, Phenotypes, and Environments through the Distributed System of Scientific Collections (DiSSCo) https://doi.org/10.3897/tdwgproceedings.1.17010 Presenter: <i>Dimitrios Koureas</i>
11:15 AM - 11:30 AM	Proposed Extension to Darwin Core for People and their Roles in the Curation of Physical and Digital Objects https://doi.org/10.3897/tdwgproceedings.1.19829 Presenter: <i>David Shorthouse</i>
11:30 AM - 11:45 AM	SiBBr: Envisioning the spatial distribution of Brazilian biodiversity records https://doi.org/10.3897/tdwgproceedings.1.19966 Presenter: <i>Luiza Correa, Rafael Sacramento</i>
11:45 AM - 12:00 PM	Symbiota2 https://doi.org/10.3897/tdwgproceedings.1.19933 Presenter: <i>Mary E. Barkworth</i>
12:00 PM - 12:15 PM	Taxonomy and Distribution in Big Data Use Cases from BISON and ITIS https://doi.org/10.3897/tdwgproceedings.1.19890 Presenter: <i>Gerald Guala</i>
12:15 PM - 12:30 PM	Google Summer of Code: Why TDWG should participate https://doi.org/10.3897/tdwgproceedings.1.19918 Presenter: <i>Vijay Barve</i>

W19: Construction of biodiversity knowledge graphs driven by federated text mining tools

Organizers: *Sophia Ananiadou, Riza Batista-Navarro, Teodor Asenov Georgiev, Evangelos Pafilis, Lyubomir Penev, Viktor Senderov, Axel J. Soto*

11:00 AM - 12:30 PM

Richelieu

11:00 AM - 11:15 AM	EXTRACT 2.0: interactive identification of biological entities mentioned in text to assist database curation and knowledge extraction https://doi.org/10.3897/tdwgproceedings.1.20152 Presenter: <i>Evangelos Pafilis</i>
11:15 AM - 11:30 AM	Developing a knowledge base on the habitats and reproductive conditions of

	Dipterocarps through information extraction https://doi.org/10.3897/tdwgproceedings.1.20066 Presenter: <i>Roselyn Gabud</i>
11:30 AM - 11:45 AM	Building Your Own Big Data Analysis Infrastructure for Biodiversity Science https://doi.org/10.3897/tdwgproceedings.1.20161 Presenter: <i>Matthew Collins</i>
11:45 AM - 12:00 PM	Argo as a platform for integrating distinct biodiversity analytics tools into workflows for building graph databases https://doi.org/10.3897/tdwgproceedings.1.20067 Presenter: <i>Riza Batista-Navarro</i>
12:00 PM - 12:15 PM	OpenBiodiv: an Implementaion of a Semantic System Running on top of the Biodiversity Knowledge Graph https://doi.org/10.3897/tdwgproceedings.1.20084 Presenter: <i>Viktor Senderov</i>
12:15 PM - 12:30 PM	Panel Discussion

W01: Establishing a global registration system of algal names and types

Organizers: *Andreas Kohlbecker*

11:00 AM - 12:30 PM

Chaudiere

12:30 PM - 2:00 PM	Lunch
1:30 PM - 2:00 PM	Load Talks, <i>Bytowne</i>
1:30 PM - 2:00 PM	Newcomers Chat, <i>Capitale</i>

S28: Financial Models for Sustaining Biodiversity Informatics Products

Organizers: *James H. Beach*

2:00 PM - 3:30 PM

Ballroom A

2:00 PM - 2:15 PM	The Arctos Community Model for Sustaining and Enriching Access to Biodiversity Data https://doi.org/10.3897/tdwgproceedings.1.20466 Presenter: <i>John Wieczorek</i>
2:15 PM - 2:30 PM	Interoperability, Attribution, and Value in the Web of Natural History Museum Data Presenter: <i>Andrew Bentley</i>
2:30 PM - 2:45 PM	Sustainability in Biodiversity Software Development: More financing or better practices? https://doi.org/10.3897/tdwgproceedings.1.20283 Presenter: <i>Matthew J. Yoder</i>
2:45 PM - 3:00 PM	Maintenance and development of Symbiota2, a platform for data sharing and visualization

	https://doi.org/10.3897/tdwgproceedings.1.20220 Presenter: <i>Mary E. Barkworth</i>
3:00 PM - 3:15 PM	Sustaining Software for Biological Collections Computing https://doi.org/10.3897/tdwgproceedings.1.20254 Presenter: <i>James H. Beach</i>
3:15 PM - 3:30 PM	DINA: Open Source and Open Services - A Modern Approach for Sustainable Natural History Collection Management Systems https://doi.org/10.3897/tdwgproceedings.1.20216 Presenter: <i>Elspeth Margaret Haston, Falko Glöckler, Jana Hoffmann, Fredrik Ronquist, James A Macklin, Stefan Daume</i>

W03: Towards robust interoperability in multi-omic approaches to biodiversity monitoring

Organizers: *Pier Luigi Buttigieg, Robert Hanner, Luke Thompson*

2:00 PM - 3:30 PM

Richelieu

2:00 PM - 2:15 PM	Environmental samples, eDNA and HTS libraries – data standard proposals from the Global Genome Biodiversity Network (GGBN) https://doi.org/10.3897/tdwgproceedings.1.20483 Presenter: <i>Walter G. Berendsohn</i>
2:15 PM - 2:30 PM	Metadata Standards for Genomic Sequence Data: Past and Future of MIxS Standards Family https://doi.org/10.3897/tdwgproceedings.1.20423 Presenter: <i>Pelin Yilmaz</i>
2:30 PM - 2:45 PM	Using MIxS: An Implementation Report from Two Metagenomic Information Systems https://doi.org/10.3897/tdwgproceedings.1.20637 Presenter: <i>Joel Sachs, Luke Thompson</i>
2:45 PM - 3:00 PM	SeqDB: Biological Collection Management with Integrated DNA Sequence Tracking https://doi.org/10.3897/tdwgproceedings.1.20608 Presenter: <i>Satpal Bilkhu</i>
3:00 PM - 3:15 PM	Semantically Defining Populations for 'Omics Research https://doi.org/10.3897/tdwgproceedings.1.20435 Presenter: <i>Ramona L. Walls</i>
3:15 PM - 3:30 PM	Panel Discussion

S04: Advances in data accessibility and data management for marine species occurrence data

Organizers: *Ward Appeltans, Lenore Bajona, Mary Kennedy, Andrew Sherin*

2:00 PM - 3:30 PM

Chaudiere

2:00 PM - 2:15 PM	Introduction Presenter: <i>Lenore Bajona, Andrew Sherin, Mary Kennedy, Ward Appeltans</i>
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2:15 PM - 2:30 PM	Cookbooks and Curriculum https://doi.org/10.3897/tdwgproceedings.1.20405 Presenter: <i>Mary Kennedy</i>
2:30 PM - 2:45 PM	Expanding the Ocean Biogeographic Information System (OBIS) beyond species occurrences https://doi.org/10.3897/tdwgproceedings.1.20196 Presenter: <i>Daphnis De Pooter</i>
2:45 PM - 3:00 PM	Improving data availability with “OBIS-ENV-DATA”: Examples from OBIS-USA https://doi.org/10.3897/tdwgproceedings.1.20207 Presenter: <i>Abigail Benson</i>
3:00 PM - 3:30 PM	Talking beyond presence: 04 Symposium: Advances in data accessibility and data management for marine species occurrence data: Discussion Panel 1 https://doi.org/10.3897/tdwgproceedings.1.20407 Presenter: <i>Mary Kennedy</i>
3:30 PM - 4:00 PM	Break, <i>Ballroom B/C</i>
3:45 PM - 4:00 PM	Computer Demo, <i>Ballroom B/C</i> OpenBiodiv: an Implementation of a Semantic System Running on top of the Biodiversity Knowledge Graph https://doi.org/10.3897/tdwgproceedings.1.20193 Presenter: <i>Viktor Senderov, Teodor Asenov Georgiev</i>

S04: Advances in data accessibility and data management for marine species occurrence data

Organizers: *Ward Appeltans, Lenore Bajona, Mary Kennedy, Andrew Sherin*

4:00 PM - 5:30 PM

Chaudiere

4:00 PM - 4:15 PM	Spatial Visualization of Publicly Accessible Species Occurrence Data https://doi.org/10.3897/tdwgproceedings.1.20155 Presenter: <i>Andrew Sherin</i>
4:15 PM - 4:30 PM	Exploring the Canadian Federated Research Data Repository Service https://doi.org/10.3897/tdwgproceedings.1.20185 Presenter: <i>Lee Wilson</i>
4:30 PM - 4:45 PM	Sydney Harbour Atlas https://doi.org/10.3897/tdwgproceedings.1.20157 Presenter: <i>Andrew Sherin</i>
4:45 PM - 5:00 PM	The developing Canadian Integrated Ocean Observing System (CIOOS) https://doi.org/10.3897/tdwgproceedings.1.20432 Presenter: <i>Lenore Bajona</i>
5:00 PM - 5:30 PM	Future pathways for sharing and integrating data: 04 Symposium: Advances in data accessibility and data management for marine species occurrence data: Discussion Panel 2 https://doi.org/10.3897/tdwgproceedings.1.20406 Presenter: <i>Andrew Sherin</i>

W03: Towards robust interoperability in multi-omic approaches to biodiversity monitoring

Organizers: *Pier Luigi Buttigieg, Robert Hanner, Luke Thompson*

4:00 PM - 5:30 PM

Richelieu

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| 4:00 PM - 4:15 PM | The Genomic Observatories Metadatabase
https://doi.org/10.3897/tdwgproceedings.1.20508
Presenter: <i>John Deck</i> |
| 4:15 PM - 4:30 PM | Integrating Marine Omics into the Marine Biodiversity Observation Network (MBON) in Support of the UN Sustainable Development Goals (SDG) and Agenda 2030
https://doi.org/10.3897/tdwgproceedings.1.20521
Presenter: <i>Kelly D. Goodwin</i> |
| 4:30 PM - 4:45 PM | Rewards and Challenges of eDNA Sequencing with Multiple Genetic Markers for Marine Observation Programs
https://doi.org/10.3897/tdwgproceedings.1.20548
Presenter: <i>Kathleen J Pitz</i> |
| 4:45 PM - 5:00 PM | Linking molecular and morphological biodiversity evidence by building a single name space
https://doi.org/10.3897/tdwgproceedings.1.20503
Presenter: <i>Dmitry Schigel</i> |
| 5:00 PM - 5:15 PM | Panel Discussion |

Contributed Talks (Part 2)

Ballroom A

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|---------------------------|--|
| 4:00 PM - 4:15 PM | Use of Online Species Occurrence Databases in Published Research since 2010
https://doi.org/10.3897/tdwgproceedings.1.20518
Presenter: <i>Joan E Ball-Damerow</i> |
| 4:15 PM - 4:30 PM | Extending Darwin Core to incorporate data about material condition and absolute deep time
https://doi.org/10.3897/tdwgproceedings.1.20126
Presenter: <i>Laura Brenskelle</i> |
| 4:30 PM - 4:45 PM | Pipedream or pipeline: delivering regular, reliable, up-to-date information on biodiversity through repeatable workflows
https://doi.org/10.3897/tdwgproceedings.1.20639
Presenter: <i>Quentin Groom</i> |
| 4:45 PM - 5:00 PM | Development of a National Repository for Aquatic Biodiversity in Bhutan
Presenter: <i>Sangay Dema</i> |
| 7:00 PM - 10:00 PM | Night at the Museum, <i>Canadian Museum of Nature, 240 McLeod St, Ottawa</i> |

Tuesday, 03 October 2017

8:30 AM - 9:00 AM	Registration, <i>Ballroom A</i>
8:30 AM - 9:00 AM	Load Talks, <i>Bytowne</i>
9:00 AM - 9:40 AM	Overview of TDWG: Interest Groups (IG), Task Groups (TG), and Executive; Current and impending standards; the structure of TDWG standards., <i>Ballroom A</i>
9:40 AM - 10:30 AM	Keynote: Anne Bowser - Standardizing Citizen Science?, <i>Ballroom A</i>
10:30 AM - 11:00 AM	Posters (Even Numbers), <i>Ballroom B/C</i>
10:30 AM - 11:00 AM	Break, <i>Ballroom B/C</i>
10:45 AM - 11:00 AM	Computer Demo, <i>Ballroom B/C</i> TaxonWorks https://doi.org/10.3897/tdwgproceedings.1.20279 Presenter: <i>Matthew J. Yoder</i>

W09: Implementing Biodiversity Standards for Paleobiology

Organizers: *Falko Glöckler, Jana Hoffmann, Mareike Petersen, Denné Reed*

11:00 AM - 12:30 PM

Richelieu

11:00 AM - 11:15 AM	The Data Standard ABCD EFG - Access to Biological Collection Data Extended for Geosciences https://doi.org/10.3897/tdwgproceedings.1.15146 Presenter: <i>Falko Glöckler</i>
11:15 AM - 12:30 PM	Workshop Activities

W07: Reusing an open source platform in order to create a community: example of the Living Atlases community

Organizers: *Christian Gendreau, Jeremy Goimard, Marie-Elise Lecoq, David Martin, Federico Mendez, Santiago Martínez de la Riva, Manash Shah, Anders Telenius*

11:00 AM - 12:30 PM

Chaudière

11:00 AM - 11:15 AM	Introduction of the Living Atlases workshop https://doi.org/10.3897/tdwgproceedings.1.20253 Presenter: <i>Marie-Elise Lecoq</i>
11:15 AM - 11:30 AM	Living Atlases Architecture https://doi.org/10.3897/tdwgproceedings.1.19826 Presenter: <i>David Martin, Christian Gendreau, Manash Shah</i>
11:30 AM - 11:45 AM	Documentation about Atlas of Living Australia tools: how to find information https://doi.org/10.3897/tdwgproceedings.1.19941 Presenter: <i>Fabien Cavière</i>
11:45 AM - 12:30 PM	Workshop Activities

S02: Biodiversity Data Quality – concepts, methods and tools

Organizers: *Arthur D. Chapman, Antonio M. Saraiva, Alexander Thompson*

11:00 AM - 12:30 PM

Ballroom A

- 11:00 AM - 11:15 AM Fitness for Use: The BDQIG aims for improved Stability and Consistency
<https://doi.org/10.3897/tdwgproceedings.1.20240>
Presenter: *Arthur D. Chapman*
- 11:15 AM - 11:30 AM Toward a Biodiversity Data Fitness for Use Backbone (FFUB): A Node.js module prototype
<https://doi.org/10.3897/tdwgproceedings.1.20300>
Presenter: *Allan Koch Veiga*
- 11:30 AM - 11:45 AM Fitness-for-Use-Framework-aware Data Quality workflows in Kurator
<https://doi.org/10.3897/tdwgproceedings.1.20379>
Presenter: *Paul J. Morris*
- 11:45 AM - 12:00 PM Darwin Cloud: Mapping real-world data to Darwin Core
<https://doi.org/10.3897/tdwgproceedings.1.20486>
Presenter: *John Wieczorek*
- 12:00 PM - 12:15 PM Integrating data-cleaning with data analysis to enhance usability of biodiversity big-data
<https://doi.org/10.3897/tdwgproceedings.1.20244>
Presenter: *Tomer Gueta*
- 12:15 PM - 12:30 PM Using YesWorkflow hybrid queries to reveal data lineage from data curation activities
<https://doi.org/10.3897/tdwgproceedings.1.20380>
Presenter: *Qian Zhang*

12:30 PM - 2:00 PM Lunch

12:30 PM - 2:00 PM Interest Group/Task Group, *Capitale*
IG02: Technical Architecture Meeting
Organizer: Greg Whitbread

1:30 PM - 2:00 PM Load Talks, *Bytowne*

W07: Reusing an open source platform in order to create a community: example of the Living Atlases community

Organizers: *Christian Gendreau, Jeremy Goimard, Marie-Elise Lecoq, David Martin, Federico Mendez, Santiago Martínez de la Riva, Manash Shah, Anders Telenius*

2:00 PM - 3:30 PM

Chaudiere

- 2:00 PM - 2:15 PM The Registry component of Atlas of Living Australia
<https://doi.org/10.3897/tdwgproceedings.1.19802>
Presenter: *Santiago Martínez de la Riva*
- 2:15 PM - 2:30 PM Biocache-store: Command-Line Interface tool for managing occurrence records
Presenter: *Manash Shah*
- 2:30 PM - 2:45 PM Workshop Activities

S15: Agricultural Informatics Contributions to Biodiversity Science and Biodiversity Assessments

Organizers: *Gail Kampmeier, James A Macklin, Cyndy Parr*

2:00 PM - 3:30 PM

Richelieu

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| 2:00 PM - 2:15 PM | How Agricultural Researchers Share their Data: a Landscape Inventory
https://doi.org/10.3897/tdwgproceedings.1.20434
Presenter: <i>Erin Antognoli</i> |
| 2:15 PM - 2:30 PM | Databasing Crop Plants from the People's Biodiversity Register of India
https://doi.org/10.3897/tdwgproceedings.1.19820
Presenter: <i>Prabhakar Rajagopal</i> |
| 2:30 PM - 2:45 PM | The Value of Agricultural Voucher Specimens
https://doi.org/10.3897/tdwgproceedings.1.19932
Presenter: <i>Mary E. Barkworth</i> |
| 2:45 PM - 3:00 PM | Bringing Bugs into the System
https://doi.org/10.3897/tdwgproceedings.1.20050
Presenter: <i>Gail Kampmeier</i> |
| 3:00 PM - 3:15 PM | Agricultural Informatics Contributions to Biodiversity Science and Biodiversity Assessments
https://doi.org/10.3897/tdwgproceedings.1.20100 |

S02: Biodiversity Data Quality – concepts, methods and tools

Organizers: *Arthur D. Chapman, Antonio M. Saraiva, Alexander Thompson*

2:00 PM - 3:30 PM

Ballroom A

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| 2:00 PM - 2:15 PM | Managing data quality in GBIF: status and plans
https://doi.org/10.3897/tdwgproceedings.1.19825
Presenter: <i>Christian Gendreau</i> |
| 2:15 PM - 2:30 PM | Towards a comprehensive workflow for biodiversity data in R
https://doi.org/10.3897/tdwgproceedings.1.20311
Presenter: <i>Vijay Barve, Tomer Gueta</i> |
| 2:30 PM - 2:45 PM | Angling for data: making biodiversity metadata more FAIR
https://doi.org/10.3897/tdwgproceedings.1.20267
Presenter: <i>Joakim Philipson</i> |
| 2:45 PM - 3:00 PM | Design and use of NOMEN, an ontology defining the rules of biological nomenclature
https://doi.org/10.3897/tdwgproceedings.1.20284
Presenter: <i>Matthew J. Yoder</i> |
| 3:00 PM - 3:15 PM | Invasive Organisms Information: A proposed TDWG Task Group
https://doi.org/10.3897/tdwgproceedings.1.20266
Presenter: <i>Quentin Groom</i> |
| 3:15 PM - 3:30 PM | Panel Discussion |

3:30 PM - 4:00 PM Posters (Odd Numbers), *Ballroom B/C*

3:30 PM - 4:00 PM Break, *Ballroom B/C*

3:45 PM - 4:00 PM Computer Demo, *Ballroom B/C*
 Defining a Data Quality (DQ) profile and DQ report using a prototype of Node.js module of the Fitness for Use Backbone (FFUB)
<https://doi.org/10.3897/tdwgproceedings.1.20275>
 Presenter: *Allan Koch Veiga*

W07: Reusing an open source platform in order to create a community: example of the Living Atlases community

Organizers: *Christian Gendreau, Jeremy Goimard, Marie-Elise Lecoq, David Martin, Federico Mendez, Santiago Martínez de la Riva, Manash Shah, Anders Telenius*

4:00 PM - 5:30 PM

Chaudiere

4:00 PM - 4:15 PM Biocache-store: Command-Line Interface tool for managing occurrence records
 Presenter: *Manash Shah*

4:15 PM - 4:30 PM Occurrences : Data resources and Biocache-hub
<https://doi.org/10.3897/tdwgproceedings.1.20321>
 Presenter: *Jeremy Goimard*

4:30 PM - 5:30 PM Workshop Activities

S22: Biological Interaction Data - towards data standardization

Organizers: *Quentin Groom, Jennifer Hammock, Antonio M. Saraiva*

4:00 PM - 5:30 PM

Ballroom A

4:00 PM - 4:15 PM How species interactions are managed in Plinian Core: Status and questions
<https://doi.org/10.3897/tdwgproceedings.1.20556>
 Presenter: *Francisco Pando*

4:15 PM - 4:30 PM Addressing the proposal for new Darwin Core terms for interaction data
<https://doi.org/10.3897/tdwgproceedings.1.20350>
 Presenter: *Willem Coetzer*

4:30 PM - 4:45 PM GoMexSI: Using Open Platforms such as Github, Wordpress, and GloBI to Manage, and Share Species Interaction Data
<https://doi.org/10.3897/tdwgproceedings.1.20325>
 Presenter: *James Simons*

4:45 PM - 5:00 PM Brazilian Plant-Pollinator Interactions Network: definition of a data standard for digitization, sharing, and aggregation of plant-pollinator interaction data
<https://doi.org/10.3897/tdwgproceedings.1.20298>
 Presenter: *Antonio M. Saraiva*

5:00 PM - 5:15 PM Global Biotic Interactions: A Catalyst For Integrating Existing Interaction Datasets, Connecting Data Curators And Developing Data Exchange Methods
<https://doi.org/10.3897/tdwgproceedings.1.20214>
 Presenter: *Jorrit H Poelen*

5:15 PM - 5:30 PM mangal - making sense of biotic interaction data
<https://doi.org/10.3897/tdwgproceedings.1.19993>
 Presenter: *Timothée Poisot*

S10: 500 Years of Big Data from the Biodiversity Heritage Library

Organizers: *Martin R. Kalfatovic, Carolyn A. Sheffield*

4:00 PM - 5:30 PM

Richelieu

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| 4:00 PM - 4:15 PM | How Did BHL Get to Big Data
https://doi.org/10.3897/tdwgproceedings.1.20002
Presenter: <i>Martin R. Kalfatovic</i> |
| 4:15 PM - 4:30 PM | Expanding Access to Biodiversity Literature
https://doi.org/10.3897/tdwgproceedings.1.20146
Presenter: <i>Mariah Lewis</i> |
| 4:30 PM - 4:45 PM | Scientific Names: Linking the Past to Provide Context for Knowledge
https://doi.org/10.3897/tdwgproceedings.1.19937
Presenter: <i>Thomas M. Orrell</i> |
| 4:45 PM - 5:00 PM | A path to continuous reindexing of scientific names appearing in Biodiversity Heritage Library data
https://doi.org/10.3897/tdwgproceedings.1.20186
Presenter: <i>Dmitry Mozzherin</i> |
| 5:00 PM - 5:15 PM | Crowdsourcing Data Enhancements to Improve Named Entity Recognition in the Biodiversity Heritage Library
https://doi.org/10.3897/tdwgproceedings.1.17354
Presenter: <i>Katie Mika</i> |
| 5:15 PM - 5:30 PM | BHL's Feedback Tools and User Surveys: Investigating User Needs for Data in Digital Libraries
https://doi.org/10.3897/tdwgproceedings.1.20003
Presenter: <i>Carolyn A. Sheffield</i> |

Wednesday, 04 October 2017

- 8:30 AM - 9:00 AM Registration, *Ballroom A*
- 8:30 AM - 9:00 AM Load Talks, *Bytowne*
- 9:00 AM - 9:40 AM Wild Ideas, *Ballroom A*
- 9:40 AM - 10:30 AM Keynote: Javier de la Torre - Everything happens somewhere, multiple times, *Ballroom A*
- 10:30 AM - 11:00 AM Break, *Ballroom B/C*
- 10:45 AM - 11:00 AM Computer Demo, *Ballroom B/C*
Desktop or remote knowledge base management systems for taxonomic data and identification keys: Xper2 and Xper3
<https://doi.org/10.3897/tdwgproceedings.1.19911>
Presenter: *Régine Vignes-Lebbe*

S12: Citizen Science Contributions to Biodiversity Research and Standards

Organizers: *Robert D. Stevenson*

11:00 AM - 12:30 PM

Richelieu

- 11:00 AM - 11:15 AM The state of the data in citizen science
<https://doi.org/10.3897/tdwgproceedings.1.20370>
Presenter: *Anne Bowser*
- 11:15 AM - 11:30 AM Setting Collections Data Free with the Power of the Crowd: challenges, opportunities and a vision for the future
<https://doi.org/10.3897/tdwgproceedings.1.20422>
Presenter: *Margaret J Gold*
- 11:30 AM - 11:45 AM Turning Flickr into a useful Citizen Science Resource
<https://doi.org/10.3897/tdwgproceedings.1.20348>
Presenter: *Arthur D. Chapman*
- 11:45 AM - 12:00 PM Discovering Nature in the City with a Citizen Science Mobile App
<https://doi.org/10.3897/tdwgproceedings.1.20206>
Presenter: *Jana Hoffmann*
- 12:00 PM - 12:15 PM Panel Discussion

W07: Reusing an open source platform in order to create a community: example of the Living Atlases community

Organizers: *Christian Gendreau, Jeremy Goimard, Marie-Elise Lecoq, David Martin, Federico Mendez, Santiago Martínez de la Riva, Manash Shah, Anders Telenius*

11:00 AM - 12:30 PM

Chaudiere

- 11:00 AM - 11:15 AM Living Atlases : tips and advices
<https://doi.org/10.3897/tdwgproceedings.1.20252>

Presenter: *Marie-Elise Lecoq*

11:15 AM - 12:30 PM Workshop Activities

S16: Using Big Data Techniques to Cross Dataset Boundaries - Integration and Analysis of Multiple Datasets

Organizers: *Matthew Collins, Robert Guralnick, Martin R. Kalfatovic*

11:00 AM - 12:30 PM

Ballroom A

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|---------------------------|--|
| 11:00 AM - 11:15 AM | BHL: A Source for Big Data Analysis
https://doi.org/10.3897/tdwgproceedings.1.20339
Presenter: <i>Mike Lichtenberg</i> |
| 11:15 AM - 11:30 AM | TAXREF-LD: A Reference Thesaurus for Biodiversity on the Web of Linked Data
https://doi.org/10.3897/tdwgproceedings.1.20232
Presenter: <i>Franck Michel, Olivier Gargominy</i> |
| 11:30 AM - 11:45 AM | IndexMEED cases studies using 'Omics' data with graph theory
Presenter: <i>Romain David</i> |
| 11:45 AM - 12:00 PM | A High-throughput Data Ingest Pipeline for Semantic Data-stores
https://doi.org/10.3897/tdwgproceedings.1.20208
Presenter: <i>John Deck</i> |
| 12:00 PM - 12:15 PM | Using ontologies to explore floral evolution in a non-model plant clade
https://doi.org/10.3897/tdwgproceedings.1.20347
Presenter: <i>Annika L Smith</i> |
| 12:15 PM - 12:30 PM | Panel Discussion |
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| 12:30 PM - 5:00 PM | Excursion: Pink Lake or Canadian Museum of Nature Collections |
| 12:30 PM - 2:00 PM | Lunch |

Thursday, 05 October 2017

- 8:30 AM - 9:00 AM Registration, *Ballroom A*
- 8:30 AM - 9:00 AM Load Talks, *Bytowne*
- 9:00 AM - 9:40 AM Standards in Action: The Darwin Core Hour, *Ballroom A*
- 9:40 AM - 10:30 AM Keynote: Pamela Soltis - Linking Heterogeneous Data in Biodiversity Research, *Ballroom A*
- 10:30 AM - 11:00 AM Break, *Ballroom B/C*
- 10:30 AM - 11:00 AM Posters (Odd Numbers), *Ballroom B/C*
- 10:45 AM - 11:00 AM Computer Demo, *Ballroom B/C*
Developing a Module for Generating Formalized Semantic Morphological Descriptions for Morph · D · Base
<https://doi.org/10.3897/tdwgproceedings.1.15141>
Presenter: *Sandra Meid, Lars Vogt*

S18: Bridging Gaps between Biodiversity Informaticians and Collections Professionals

Organizers: *Gail Kampmeier, Holly Little, Deborah Paul*

11:00 AM - 12:30 PM

Ballroom A

- 11:00 AM - 11:15 AM Building a community of practice through capacity enhancement mentoring
<https://doi.org/10.3897/tdwgproceedings.1.20234>
Presenter: *Laura Russell*
- 11:15 AM - 11:30 AM How Mass Digitization is changing Herbarium Collection Management at the Botanic Garden Meise (BR) – Teaching old dogs new tricks!
<https://doi.org/10.3897/tdwgproceedings.1.20194>
Presenter: *Henry Engledow*
- 11:30 AM - 11:45 AM An Example of Synergy in Data Mobilization: the Arctos-VertNet Nexus
<https://doi.org/10.3897/tdwgproceedings.1.20098>
Presenter: *David Bloom*
- 11:45 AM - 12:00 PM Towards Insect Digital Collections and Data Publishing: A journey for the GBIF-funded African Insect Atlas Collaborative Project
<https://doi.org/10.3897/tdwgproceedings.1.20274>
Presenter: *Boikhutso Lerato Rapalai*
- 12:00 PM - 12:15 PM Setting up an Interdisciplinary Data Infrastructure: Why Cooperation between Domain Experts and Computer Scientists Matters - An Experience Report from the GFBio Project
<https://doi.org/10.3897/tdwgproceedings.1.20198>
Presenter: *Jana Hoffmann, Felicitas Löffler*
- 12:15 PM - 12:30 PM Panel Discussion

W21: Biological Interaction Data Workgroup

Organizers: *Quentin Groom, Jennifer Hammock, Antonio M. Saraiva*

11:00 AM - 12:30 PM

Richelieu

11:00 AM - 12:30 PM Interest Group/Task Group, *Chaudiere*
IG03: Species Information
Organizer: Francisco Pando

12:30 PM - 2:00 PM Lunch

12:30 PM - 2:00 PM Interest Group/Task Group, *Capitale*
IG02: Technical Architecture Meeting
Organizer: Greg Whitbread

1:30 PM - 2:00 PM Load Talks, *Bytowne*

W23: Towards an Online Atlas of Phenology

Organizers: *Mélanie Bélisle-Leclerc, Scott Chamberlain, Jonathan Davies, Robert Guralnick, Zoe Panchen, Joel Sachs, Pamela Soltis*

2:00 PM - 3:30 PM

Richelieu

2:00 PM - 2:15 PM	Introduction Presenter: <i>Joel Sachs, Pamela Soltis</i>
2:15 PM - 2:30 PM	Phenological sensitivity to temperature at broad scales: opportunities and challenges of natural history collections https://doi.org/10.3897/tdwgproceedings.1.20587 Presenter: <i>Heather Kharouba</i>
2:30 PM - 2:45 PM	The use of avian museum specimen data in phenology studies: prospects and challenges https://doi.org/10.3897/tdwgproceedings.1.20324 Presenter: <i>Keith Barker</i>
2:45 PM - 3:00 PM	Phenology atlas use cases: a new map of plant phenology across North America and beyond https://doi.org/10.3897/tdwgproceedings.1.20582 Presenter: <i>Zoe Panchen, Jonathan Davies</i>
3:00 PM - 3:30 PM	Panel Discussion

W06: Data Quality Workshop

Organizers: *Arthur D. Chapman, Antonio M. Saraiva*

2:00 PM - 3:30 PM

Chaudiere

S18: Bridging Gaps between Biodiversity Informaticians and Collections Professionals

Organizers: *Gail Kampmeier, Holly Little, Deborah Paul*

2:00 PM - 3:30 PM*Ballroom A*

- 2:00 PM - 2:15 PM A tool for collections-specific searches in genetic databases
<https://doi.org/10.3897/tdwgproceedings.1.20320>
 Presenter: *Michael Trizna*
- 2:15 PM - 2:30 PM Automated Herbarium Specimen Identification using Deep Learning
<https://doi.org/10.3897/tdwgproceedings.1.20302>
 Presenter: *Jose Carranza-Rojas*
- 2:30 PM - 2:45 PM Building community-specific standards and vocabularies: prospects and challenges for linking to the broader community - The SINP Case
<https://doi.org/10.3897/tdwgproceedings.1.20297>
 Presenter: *Paula F Zermoglio, Remy Jomier*
- 2:45 PM - 3:00 PM Managing Ex Situ Collections of Wild Species' Seeds: Use of Biodiversity Informatics in the Millennium Seed Bank to Address Challenges
<https://doi.org/10.3897/tdwgproceedings.1.20197>
 Presenter: *Udayangani Liu*
- 3:00 PM - 3:15 PM What's Missing From All the Portals?
<https://doi.org/10.3897/tdwgproceedings.1.20236>
 Presenter: *Sharon Grant*
- 3:15 PM - 3:30 PM SPNHC 2017 Natural History Collections Biodiversity Informatics 101 Short Course Insights
<https://doi.org/10.3897/tdwgproceedings.1.20263>
 Presenter: *Holly Little*

3:30 PM - 4:00 PM Break, *Ballroom B/C***3:30 PM - 4:00 PM** Posters (Even Numbers), *Ballroom B/C*

W17: The EDIT Platform for Cybertaxonomy, Current State and Envisaged Integration into the Biodiversity Informatics Infrastructure

Organizers: *Walter G. Berendsohn, Anton Güntsch, Andreas Müller***4:00 PM - 5:30 PM***Ballroom A*

- 4:00 PM - 4:15 PM The EDIT Platform for Cybertaxonomy, a Brief Overview
<https://doi.org/10.3897/tdwgproceedings.1.20368>
 Presenter: *Andreas Kohlbecker*
- 4:15 PM - 4:30 PM A Comprehensive and Standards-Aware Common Data Model (CDM) for Taxonomic Research
<https://doi.org/10.3897/tdwgproceedings.1.20367>
 Presenter: *Andreas Müller*
- 4:30 PM - 4:45 PM The CDM Applied: Handling of Names, Taxa and Concepts in a Conservation Context
<https://doi.org/10.3897/tdwgproceedings.1.20364>
 Presenter: *Walter G. Berendsohn*
- 4:45 PM - 5:00 PM The CDM Applied: Unit-Derivation, from Field Observations to DNA Sequences
<https://doi.org/10.3897/tdwgproceedings.1.20366>
 Presenter: *Andreas Müller*

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| 5:00 PM - 5:15 PM | EDIT Platform Web Services in the Biodiversity Infrastructure Landscape
https://doi.org/10.3897/tdwgproceedings.1.20363
Presenter: <i>Andreas Kohlbecker</i> |
| 5:15 PM - 5:30 PM | EDIT Platform Projects: What's Next
https://doi.org/10.3897/tdwgproceedings.1.20365
Presenter: <i>Walter G. Berendsohn</i> |

W23: Towards an Online Atlas of Phenology

Organizers: *Mélanie Bélisle-Leclerc, Scott Chamberlain, Jonathan Davies, Robert Guralnick, Zoe Panchen, Joel Sachs, Pamela Soltis*

4:00 PM - 5:30 PM

Richelieu

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| 4:00 PM - 4:15 PM | The USA National Phenology Network: A Framework for Delivery of Phenology Data Products on Multiple Spatiotemporal Scales
https://doi.org/10.3897/tdwgproceedings.1.20188
Presenter: <i>Lee Marsh</i> |
| 4:15 PM - 4:30 PM | An Update on the Plant Phenology Ontology and Plant Phenology Data Integration
https://doi.org/10.3897/tdwgproceedings.1.20487
Presenter: <i>Brian J. Stucky</i> |
| 4:30 PM - 4:45 PM | Documenting Reproductive Phenology using Herbarium Specimens: Experiences from the New England Vascular Plants Project
https://doi.org/10.3897/tdwgproceedings.1.20430
Presenter: <i>Patrick W Sweeney</i> |
| 4:45 PM - 5:30 PM | Panel Discussion |

W06: Data Quality Workshop

Organizers: *Arthur D. Chapman, Antonio M. Saraiva*

4:00 PM - 5:30 PM

Chaudière

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| 6:30 PM - 10:00 PM | Banquet, <i>Canadian Museum of History, 100 Laurier Street, Gatineau (Hull), Quebec</i> |
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Friday, 06 October 2017

8:30 AM - 9:00 AM Registration, *Ballroom A*

8:30 AM - 9:00 AM Load Talks, *Bytowne*

W08: Biodiversity data annotations – state of the play and perspectives

Organizers: *Walter G. Berendsohn, Anton Güntsch, Lutz Suhrbier, Okka Tschöpe*

9:00 AM - 10:30 AM

Chaudiere

9:00 AM - 9:15 AM AnnoSys – an online tool for sharing annotations to enhance data quality
<https://doi.org/10.3897/tdwgproceedings.1.20315>

Presenter: *Walter G. Berendsohn, Okka Tschöpe*

9:15 AM - 10:00 AM Annosys – hands on session

10:00 AM - 10:15 AM Integrating AnnoSys into your specimen data portal
<https://doi.org/10.3897/tdwgproceedings.1.20313>

Presenter: *Lutz Suhrbier*

10:15 AM - 10:30 AM Semantic Annotations of Text and Images in Morph · D · Base
<https://doi.org/10.3897/tdwgproceedings.1.14778>

Presenter: *Christian Köhler*

W14: Standards for Citizen Science Biodiversity Studies

Organizers: *Libby Ellwood, Robert D. Stevenson*

9:00 AM - 10:30 AM

Richelieu

S20: Traits - Data models, sources, vocabulary, interoperability and their presentation and discoverability via species information pages

Organizers: *Jeff Gerbracht, Robert Guralnick, Jennifer Hammock, Deborah Paul, Pamela Soltis*

9:00 AM - 10:30 AM

Ballroom A

9:00 AM - 9:15 AM Species Information pages, how are the data discovered, consolidated and presented.
<https://doi.org/10.3897/tdwgproceedings.1.20294>

Presenter: *Jeff Gerbracht*

9:15 AM - 9:30 AM Building semantics in the domain of trait data: an OBO Library approach

	https://doi.org/10.3897/tdwgproceedings.1.20293 Presenter: <i>Pier Luigi Buttigieg</i>
9:30 AM - 9:45 AM	Traits in a graph https://doi.org/10.3897/tdwgproceedings.1.20289 Presenter: <i>Jennifer Hammock</i>
9:45 AM - 10:00 AM	VicFlora: a dynamic, service-based Flora https://doi.org/10.3897/tdwgproceedings.1.20525 Presenter: <i>Niels Klazenga</i>
10:00 AM - 10:15 AM	Documenting Marine Species Traits in the World Register of Marine Species (WoRMS): Current status, Future Plans and Encountered Challenges https://doi.org/10.3897/tdwgproceedings.1.20337 Presenter: <i>Leen Vandepitte</i>
10:15 AM - 10:30 AM	Traits as Essential Biodiversity Variables https://doi.org/10.3897/tdwgproceedings.1.20295 Presenter: <i>Robert Guralnick</i>
10:30 AM - 11:00 AM	Break, <i>Ballroom B/C</i>
11:00 AM - 12:30 PM	Interest Group/Task Group, <i>Richelieu</i> IG04: Collections Description Meeting Organizer: Deborah Paul, Alexander Thompson

Contributed Talks (Part 3)

Ballroom A

11:00 AM - 11:15 AM	Setup of BIOfid, a new Specialised Information Service for Biodiversity Research https://doi.org/10.3897/tdwgproceedings.1.19803 Presenter: <i>Markus Koch</i>
11:15 AM - 11:30 AM	Catalogue of Life, China and Taxonomic Tree Tool https://doi.org/10.3897/tdwgproceedings.1.20394 Presenter: <i>Liqiang Ji</i>
11:30 AM - 11:45 AM	Building a Taxonomic Data Editor: ITIS Taxonomic Workbench 6.0 https://doi.org/10.3897/tdwgproceedings.1.19965 Presenter: <i>David Mitchell</i>
11:45 AM - 12:00 PM	The Taxonomic and Biodiversity Software Stack in R https://doi.org/10.3897/tdwgproceedings.1.20219 Presenter: <i>Scott Chamberlain</i>
12:00 PM - 12:15 PM	SOCCOMAS: A Self-Describing and Content-Independent Application for Semantic Ontology-Controlled Web-Content-Management-Systems https://doi.org/10.3897/tdwgproceedings.1.20033 Presenter: <i>Sandra Meid, Lars Vogt</i>
12:15 PM - 12:30 PM	OntoPilot: New Software to Simplify and Accelerate Ontology Development and Deployment https://doi.org/10.3897/tdwgproceedings.1.20192 Presenter: <i>Brian J. Stucky</i>

W08: Biodiversity data annotations – state of the play and perspectives

Organizers: *Walter G. Berendsohn, Anton Güntsch, Lutz Suhrbier, Okka Tschöpe*

11:00 AM - 12:30 PM

Chaudiere

11:00 AM - 11:15 AM Annotating out the Way to the Linked Biodiversity Data Web
<https://doi.org/10.3897/tdwgproceedings.1.20270>

Presenter: *Guan Shuo Mai*

11:15 AM - 11:30 AM AnnoSys - future developments
<https://doi.org/10.3897/tdwgproceedings.1.20317>

Presenter: *Lutz Suhrbier*

11:30 AM - 12:30 PM Panel Discussion

12:30 PM - 2:00 PM Lunch

1:30 PM - 2:00 PM Load Talks, *Bytowne*

2:00 PM - 3:30 PM Reports from Interest and Task Groups; Closing Remarks, *Ballroom A*