TDWG2017 DRAFT PROGRAM

Ottawa, Ontario, CANADA

PREPARED SEPTEMBER 5, 2017

If you discover a significant error, please immediately inform <u>conference@tdwg.org</u>.
The final program will be prepared Friday, September 8, 2017 at which time no additional changes can be accommodated.

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, *Ballroom A*

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

9:00 AM - 9:40 AM   Welcoming remarks, *Ballroom A*

9:40 AM - 10:30 AM   Keynote: Roderic D.M. Page - Towards a Biodiversity Knowledge Graph, *Ballroom A*

10:30 AM - 11:00 AM   Break, *Ballroom B/C*

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: *Dimitrios Koureas*
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: *David Shorthouse*
11:30 AM - 11:45 AM	SiBBr: Envisioning the spatial distribution of Brazilian biodiversity records https://doi.org/10.3897/tdwgproceedings.1.19966 Presenter: *Luiza Correa, Rafael Sacramento*
11:45 AM - 12:00 PM	Symbiota2 https://doi.org/10.3897/tdwgproceedings.1.19933 Presenter: *Mary E. Barkworth*
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: *Gerald Guala*
12:15 PM - 12:30 PM	Google Summer of Code: Why TDWG should participate https://doi.org/10.3897/tdwgproceedings.1.19918 Presenter: *Vijay Barve*

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: *Evangelos Pafilis*
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: *Roselyn Gabud*
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: *Matthew Collins*
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: *Riza Batista-Navarro*
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: *Viktor Senderov*
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, *Bytowne*
1:30 PM - 2:00 PM	Newcomers Chat, *Capitale*

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: *John Wieczorek*
2:15 PM - 2:30 PM	Interoperability, Attribution, and Value in the Web of Natural History Museum Data
	Presenter: *Andrew Bentley*
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: *Matthew J. Yoder*
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: *Mary E. Barkworth*
3:00 PM - 3:15 PM	Sustaining Software for Biological Collections Computing
	https://doi.org/10.3897/tdwgproceedings.1.20254
	Presenter: *James H. Beach*
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: *Elspeth Margaret Haston, Falko Glöckler, Jana Hoffmann, Fredrik Ronquist, James A Macklin, Stefan Daume*

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: *Walter G. Berendsohn*
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: *Pelin Yilmaz*
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: *Joel Sachs, Luke Thompson*
2:45 PM - 3:00 PM	SeqDB: Biological Collection Management with Integrated DNA Sequence Tracking
	https://doi.org/10.3897/tdwgproceedings.1.20608
	Presenter: *Satpal Bilkhu*
3:00 PM - 3:15 PM	Semantically Defining Populations for 'Omics Research
	https://doi.org/10.3897/tdwgproceedings.1.20435
	Presenter: *Ramona L. Walls*
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: *Lenore Bajona, Andrew Sherin, Mary Kennedy, Ward Appeltans*

2:15 PM - 2:30 PM	Cookbooks and Curriculum https://doi.org/10.3897/tdwgproceedings.1.20405 Presenter: *Mary Kennedy*
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: *Daphnis De Pooter*
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: *Abigail Benson*
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: *Mary Kennedy*

3:30 PM - 4:00 PM	Break, *Ballroom B/C*
3:45 PM - 4:00 PM	Computer Demo, *Ballroom B/C* OpenBiodiv: an Implementation of a Semantic System Running on top of the Biodiversity Knowledge Graph https://doi.org/10.3897/tdwgproceedings.1.20193 Presenter: *Viktor Senderov, Teodor Asenov Georgiev*

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: *Andrew Sherin*
4:15 PM - 4:30 PM	Exploring the Canadian Federated Research Data Repository Service https://doi.org/10.3897/tdwgproceedings.1.20185 Presenter: *Lee Wilson*
4:30 PM - 4:45 PM	Sydney Harbour Atlas https://doi.org/10.3897/tdwgproceedings.1.20157 Presenter: *Andrew Sherin*
4:45 PM - 5:00 PM	The developing Canadian Integrated Ocean Observing System (CIOOS) https://doi.org/10.3897/tdwgproceedings.1.20432 Presenter: *Lenore Bajona*
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: *Andrew Sherin*

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

4:00 PM - 4:15 PM	The Genomic Observatories Metadatabase https://doi.org/10.3897/tdwgproceedings.1.20508 Presenter: *John Deck*
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: *Kelly D. Goodwin*
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: *Kathleen J Pitz*
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: *Dmitry Schigel*
5:00 PM - 5:15 PM	Panel Discussion

Contributed Talks (Part 2)

Ballroom A

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: *Joan E Ball-Damerow*
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: *Laura Brenskelle*
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: *Quentin Groom*
4:45 PM - 5:00 PM	Development of a National Repository for Aquatic Biodiversity in Bhutan Presenter: *Sangay Dema*

7:00 PM - 10:00 PM	Night at the Museum, *Canadian Museum of Nature, 240 McLeod St, Ottawa*

Tuesday, 03 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	Overview of TDWG: Interest Groups (IG), Task Groups (TG), and Executive; Current and impending standards; the structure of TDWG standards., *Ballroom A*
9:40 AM - 10:30 AM	Keynote: Anne Bowser - Standardizing Citizen Science?, *Ballroom A*
10:30 AM - 11:00 AM	Posters (Even Numbers), *Ballroom B/C*
10:30 AM - 11:00 AM	Break, *Ballroom B/C*
10:45 AM - 11:00 AM	Computer Demo, *Ballroom B/C* TaxonWorks https://doi.org/10.3897/tdwgproceedings.1.20279 Presenter: *Matthew J. Yoder*

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: *Falko Glöckler*
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
Chaudiere

11:00 AM - 11:15 AM	Introduction of the Living Atlases workshop https://doi.org/10.3897/tdwgproceedings.1.20253 Presenter: *Marie-Elise Lecoq*
11:15 AM - 11:30 AM	Living Atlases Architecture https://doi.org/10.3897/tdwgproceedings.1.19826 Presenter: *David Martin, Christian Gendreau, Manash Shah*
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: *Fabien Cavière*
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

2:00 PM - 2:15 PM	How Agricultural Researchers Share their Data: a Landscape Inventory https://doi.org/10.3897/tdwgproceedings.1.20434 Presenter: *Erin Antognoli*
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: *Prabhakar Rajagopal*
2:30 PM - 2:45 PM	The Value of Agricultural Voucher Specimens https://doi.org/10.3897/tdwgproceedings.1.19932 Presenter: *Mary E. Barkworth*
2:45 PM - 3:00 PM	Bringing Bugs into the System https://doi.org/10.3897/tdwgproceedings.1.20050 Presenter: *Gail Kampmeier*
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

2:00 PM - 2:15 PM	Managing data quality in GBIF: status and plans https://doi.org/10.3897/tdwgproceedings.1.19825 Presenter: *Christian Gendreau*
2:15 PM - 2:30 PM	Towards a comprehensive workflow for biodiversity data in R https://doi.org/10.3897/tdwgproceedings.1.20311 Presenter: *Vijay Barve, Tomer Gueta*
2:30 PM - 2:45 PM	Angling for data: making biodiversity metadata more FAIR https://doi.org/10.3897/tdwgproceedings.1.20267 Presenter: *Joakim Philipson*
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: *Matthew J. Yoder*
3:00 PM - 3:15 PM	Invasive Organisms Information: A proposed TDWG Task Group https://doi.org/10.3897/tdwgproceedings.1.20266 Presenter: *Quentin Groom*
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

4:00 PM - 4:15 PM	How Did BHL Get to Big Data https://doi.org/10.3897/tdwgproceedings.1.20002 Presenter: *Martin R. Kalfatovic*
4:15 PM - 4:30 PM	Expanding Access to Biodiversity Literature https://doi.org/10.3897/tdwgproceedings.1.20146 Presenter: *Mariah Lewis*
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: *Thomas M. Orrell*
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: *Dmitry Mozzherin*
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: *Katie Mika*
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: *Carolyn A. Sheffield*

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

11:00 AM - 11:15 AM   BHL: A Source for Big Data Analysis
https://doi.org/10.3897/tdwgproceedings.1.20339
Presenter: *Mike Lichtenberg*

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: *Franck Michel, Olivier Gargominy*

11:30 AM - 11:45 AM   IndexMEED cases studies using 'Omics' data with graph theory
Presenter: *Romain David*

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: *John Deck*

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: *Annika L Smith*

12:15 PM - 12:30 PM   Panel Discussion

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: *Joel Sachs, Pamela Soltis*
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: *Heather Kharouba*
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: *Keith Barker*
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: *Zoe Panchen, Jonathan Davies*
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*

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

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

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: *Lee Marsh*
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: *Brian J. Stucky*
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: *Patrick W Sweeney*
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

Chaudiere

6:30 PM - 10:00 PM	Banquet, *Canadian Museum of History, 100 Laurier Street, Gatineau (Hull), Quebec*

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: *Pier Luigi Buttigieg*

9:30 AM - 9:45 AM	Traits in a graph https://doi.org/10.3897/tdwgproceedings.1.20289 Presenter: *Jennifer Hammock*
9:45 AM - 10:00 AM	VicFlora: a dynamic, service-based Flora https://doi.org/10.3897/tdwgproceedings.1.20525 Presenter: *Niels Klazenga*
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: *Leen Vandepitte*
10:15 AM - 10:30 AM	Traits as Essential Biodiversity Variables https://doi.org/10.3897/tdwgproceedings.1.20295 Presenter: *Robert Guralnick*

10:30 AM - 11:00 AM	Break, *Ballroom B/C*
11:00 AM - 12:30 PM	Interest Group/Task Group, *Richelieu* 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: *Markus Koch*
11:15 AM - 11:30 AM	Catalogue of Life, China and Taxonomic Tree Tool https://doi.org/10.3897/tdwgproceedings.1.20394 Presenter: *Liqiang Ji*
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: *David Mitchell*
11:45 AM - 12:00 PM	The Taxonomic and Biodiversity Software Stack in R https://doi.org/10.3897/tdwgproceedings.1.20219 Presenter: *Scott Chamberlain*
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: *Sandra Meid, Lars Vogt*
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: *Brian J. Stucky*

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*