

TDWG2017 DRAFT PROGRAM

Ottawa, Ontario, CANADA

PREPARED SEPTEMBER 12, 2017

INCLUDES DAILY SCHEDULE ONLY, FORMATTING SUBJECT TO CHANGE

Assembly of the final program will start Friday, September 8, 2017.

Saturday, 30 September 2017

09:00 AM - 04:30 PM Data Carpentry Workshop, *Canadian Museum of Nature, 240 McLeod St, Ottawa*

Sunday, 01 October 2017

09:00 AM - 04:30 PM Data Carpentry Workshop, *Canadian Museum of Nature, 240 McLeod St, Ottawa*

09:00 AM - 05:00 PM TDWG Executive, *Bytowne*

09:00 AM - 05:00 PM Interest Group/Task Group, *Capitale*
IG01: Data Quality
Organizers: *Arthur D. Chapman, Antonio M. Saraiva*

05:30 PM - 08:00 PM Registration, *Panorama*

06:00 PM - 09:00 PM Welcome Reception in the Penthouse, *Panorama*

Monday, 02 October 2017

08:00 AM - 09:00 AM	Registration, <i>Ballroom A</i>
08:30 AM - 09:00 AM	Load Talks & Hang Posters, <i>see instructions for presenters</i>
09:00 AM - 09:40 AM	Welcoming remarks, <i>Ballroom A</i>
09:40 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: What do People, DiSSCo, Brazil, Symbiota, BISON and Google have in common?

Moderator: *Gail Kampmeier*

11:00 AM - 12:30 PM

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 Presenters: <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>

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

Organizer: *Andreas Kohlbecker*

11:00 AM - 12:30 PM

Chaudiere

11:00 AM - 11:15 AM	Introduction into Phycobank: challenges, concepts and solutions
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W19: Construction of biodiversity knowledge graphs driven by federated text mining tools

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

11:00 AM - 12:30 PM

Richelieu

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| 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 |
| 12:30 PM - 02:00 PM | Lunch |
| 01:30 PM - 02:00 PM | Newcomers Meet & Greet, <i>Capitale</i> |

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

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

02:00 PM - 03:30 PM

Richelieu

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| 02:00 PM - 02:15 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> |
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02:15 PM - 02:30 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>
02:30 PM - 02:45 PM	Using MIxS: An Implementation Report from Two Metagenomic Information Systems https://doi.org/10.3897/tdwgproceedings.1.20637 Presenters: <i>Joel Sachs, Luke Thompson</i>
02:45 PM - 03:00 PM	SeqDB: Biological Collection Management with Integrated DNA Sequence Tracking https://doi.org/10.3897/tdwgproceedings.1.20608 Presenter: <i>Satpal Bilkhu</i>
03:00 PM - 03:15 PM	Semantically Defining Populations for 'Omics Research https://doi.org/10.3897/tdwgproceedings.1.20435 Presenter: <i>Ramona L. Walls</i>
03:15 PM - 03:30 PM	Panel Discussion

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

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

02:00 PM - 03:30 PM

Chaudiere

02:00 PM - 02:15 PM	Introduction Presenters: <i>Lenore Bajona, Andrew Sherin, Mary Kennedy</i>
02:15 PM - 02:30 PM	Cookbooks and Curriculum https://doi.org/10.3897/tdwgproceedings.1.20405 Presenter: <i>Mary Kennedy</i>
02:30 PM - 02:45 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>
02:45 PM - 03:00 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>
03:00 PM - 03:30 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>

S28: Financial Models for Sustaining Biodiversity Informatics Products

Organizer: *James H. Beach*

02:00 PM - 03:30 PM

Ballroom A

02:00 PM - 02:15 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>
02:15 PM - 02:30 PM	Interoperability, Attribution, and Value in the Web of Natural History Museum Data Presenter: <i>Andrew Bentley</i>
02:30 PM - 02:45 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>
02:45 PM - 03:00 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>
03:00 PM - 03:15 PM	Sustaining Software for Biological Collections Computing https://doi.org/10.3897/tdwgproceedings.1.20254 Presenter: <i>James H. Beach</i>
03:15 PM - 03:30 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 Presenters: <i>Elspeth Margaret Haston, Falko Glöckler, Jana Hoffmann, Fredrik Ronquist, James A Macklin, Stefan Daume</i>
03:30 PM - 04:00 PM	Break, <i>Ballroom B/C</i>
03:45 PM - 04:00 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 Presenters: <i>Viktor Senderov, Teodor Asenov Georgiev</i>

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

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

04:00 PM - 05:30 PM

Chaudiere

04:00 PM - 04:15 PM	Spatial Visualization of Publicly Accessible Species Occurrence Data https://doi.org/10.3897/tdwgproceedings.1.20155 Presenter: <i>Jeff McKenna</i>
04:15 PM - 04:30 PM	Exploring the Canadian Federated Research Data Repository Service https://doi.org/10.3897/tdwgproceedings.1.20185 Presenter: <i>Lee Wilson</i>
04:30 PM - 04:45 PM	Sydney Harbour Atlas https://doi.org/10.3897/tdwgproceedings.1.20157 Presenter: <i>Andrew Sherin</i>
04:45 PM - 05:00 PM	The developing Canadian Integrated Ocean Observing System (CIOOS) https://doi.org/10.3897/tdwgproceedings.1.20432

Presenter: *Lenore Bajona*

05:00 PM - 05:30 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: *Robert Hanner, Pier Luigi Buttigieg, Luke Thompson*

04:00 PM - 05:30 PM

Richelieu

04:00 PM - 04:15 PM

The Genomic Observatories Metadatabase
<https://doi.org/10.3897/tdwgproceedings.1.20508>
Presenter: *John Deck*

04:15 PM - 04:30 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*

04:30 PM - 04:45 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*

04:45 PM - 05:00 PM

Linking molecular and morphological biodiversity evidence by building a single name space
<https://doi.org/10.3897/tdwgproceedings.1.20503>
Presenter: *Dmitry Schigel*

05:00 PM - 05:15 PM

Panel Discussion

Contributed: Topics in Climate Change

Moderator: *Robert D. Stevenson*

04:00 PM - 05:00 PM

Ballroom A

04:00 PM - 04:15 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*

04:15 PM - 04:30 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*

04:30 PM - 04:45 PM

Pipedream or pipeline: delivering regular, reliable, up-to-date information on biodiversity through repeatable workflows

<https://doi.org/10.3897/tdwgproceedings.1.20749>

Presenter: *Quentin Groom*

04:45 PM - 05:00 PM

Development of a National Repository for Aquatic Biodiversity in Bhutan

<https://doi.org/10.3897/tdwgproceedings.1.20809>

Presenter: *Sangay Dema*

07:00 PM - 10:00 PM

Night at the Museum, *Canadian Museum of Nature, 240 McLeod St, Ottawa*

Tuesday, 03 October 2017

08:30 AM - 09:00 AM	Load Talks & Hang Posters, <i>see instructions for presenters</i>
08:30 AM - 09:00 AM	Registration, <i>Ballroom A</i>
09:00 AM - 09:40 AM	Overview of TDWG: Interest Groups (IG), Task Groups (TG), and Executive; Current and pending standards; the structure of TDWG standards., <i>Ballroom A</i>
09:40 AM - 10:30 AM	Keynote: Anne Bowser - Standardizing Citizen Science?, <i>Ballroom A</i>
10:30 AM - 11:00 AM	Break, <i>Ballroom B/C</i>
10:30 AM - 11:00 AM	Posters (Even Numbers), <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: *Denné Reed, Falko Glöckler, Mareike Petersen, Jana Hoffmann*

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

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 Presenters: <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 M. 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: <i>Arthur D. Chapman</i> |
| 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: <i>Allan Koch Veiga</i> |
| 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: <i>Paul J. Morris</i> |
| 11:45 AM - 12:00 PM | Darwin Cloud: Mapping real-world data to Darwin Core
https://doi.org/10.3897/tdwgproceedings.1.20486
Presenter: <i>John Wieczorek</i> |
| 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: <i>Tomer Gueta</i> |
| 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: <i>Qian Zhang</i> |
| 12:30 PM - 02:00 PM | Lunch |
| 12:30 PM - 02:00 PM | Interest Group/Task Group, <i>Capitale</i>
IG02: Technical Architecture Meeting |

S02: Biodiversity Data Quality – concepts, methods and tools

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

02:00 PM - 03:30 PM

Ballroom A

- | | |
|---------------------|---|
| 02:00 PM - 02:15 PM | Managing data quality in GBIF: status and plans
https://doi.org/10.3897/tdwgproceedings.1.19825
Presenter: <i>Christian Gendreau</i> |
| 02:15 PM - 02:30 PM | Towards a comprehensive workflow for biodiversity data in R
https://doi.org/10.3897/tdwgproceedings.1.20311
Presenters: <i>Vijay Barve, Tomer Gueta</i> |
| 02:30 PM - 02:45 PM | Angling for data: making biodiversity metadata more FAIR
https://doi.org/10.3897/tdwgproceedings.1.20267
Presenter: <i>Joakim Philipson</i> |

02:45 PM - 03:00 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>
03:00 PM - 03:15 PM	Invasive Organisms Information: A proposed TDWG Task Group https://doi.org/10.3897/tdwgproceedings.1.20266 Presenter: <i>Quentin Groom</i>
03:15 PM - 03:30 PM	Panel Discussion

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

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

02:00 PM - 03:30 PM

Chaudiere

02:00 PM - 02:15 PM	The Registry component of Atlas of Living Australia https://doi.org/10.3897/tdwgproceedings.1.19802 Presenter: <i>Santiago Martínez de la Riva</i>
02:15 PM - 02:30 PM	Biocache-store: Command-Line Interface tool for managing occurrence records Presenter: <i>Manash Shah</i>
02:30 PM - 02:45 PM	Workshop Activities

S15: Agricultural Informatics Contributions to Biodiversity Science and Biodiversity Assessments

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

02:00 PM - 03:30 PM

Richelieu

02:00 PM - 02:15 PM	How Agricultural Researchers Share their Data: a Landscape Inventory https://doi.org/10.3897/tdwgproceedings.1.20434 Presenter: <i>Erin Antognoli</i>
02:15 PM - 02:30 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>
02:30 PM - 02:45 PM	The Value of Agricultural Voucher Specimens https://doi.org/10.3897/tdwgproceedings.1.19932 Presenter: <i>Mary E. Barkworth</i>
02:45 PM - 03:00 PM	Bringing Bugs into the System https://doi.org/10.3897/tdwgproceedings.1.20050 Presenter: <i>Gail Kampmeier</i>
03:00 PM - 03:15 PM	Agricultural Informatics Contributions to Biodiversity Science and Biodiversity Assessments https://doi.org/10.3897/tdwgproceedings.1.20100

03:30 PM - 04:00 PM	Posters (Odd Numbers), <i>Ballroom B/C</i>
03:30 PM - 04:00 PM	Break, <i>Ballroom B/C</i>
03:45 PM - 04:00 PM	Computer Demo, <i>Ballroom B/C</i> 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: <i>Allan Koch Veiga</i>

S22: Biological Interaction Data - towards data standardization

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

04:00 PM - 05:30 PM

Ballroom A

04:00 PM - 04:15 PM	How species interactions are managed in Plinian Core: Status and questions https://doi.org/10.3897/tdwgproceedings.1.20556 Presenter: <i>Francisco Pando</i>
04:15 PM - 04:30 PM	Addressing the proposal for new Darwin Core terms for interaction data https://doi.org/10.3897/tdwgproceedings.1.20350 Presenter: <i>John Wieczorek</i>
04:30 PM - 04:45 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: <i>James Simons</i>
04:45 PM - 05:00 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: <i>Antonio M. Saraiva</i>
05:00 PM - 05:15 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: <i>Jorrit H Poelen</i>
05:15 PM - 05:30 PM	mangal - making sense of biotic interaction data https://doi.org/10.3897/tdwgproceedings.1.19993 Presenter: <i>Timothée Poisot</i>

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

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

04:00 PM - 05:30 PM

Richelieu

04:00 PM - 04:15 PM	How Did BHL Get to Big Data https://doi.org/10.3897/tdwgproceedings.1.20002 Presenter: <i>Martin R. Kalfatovic</i>
04:15 PM - 04:30 PM	Expanding Access to Biodiversity Literature https://doi.org/10.3897/tdwgproceedings.1.20146

	Presenter: <i>Mariah Lewis</i>
04:30 PM - 04:45 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>
04:45 PM - 05:00 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>
05:00 PM - 05:15 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>
05:15 PM - 05:30 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>

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

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

04:00 PM - 05:30 PM

Chaudiere

04:00 PM - 04:15 PM	Biocache-store: Command-Line Interface tool for managing occurrence records Presenter: <i>Manash Shah</i>
04:15 PM - 04:30 PM	Occurrences : Data resources and Biocache-hub https://doi.org/10.3897/tdwgproceedings.1.20321 Presenter: <i>Jeremy Goimard</i>
04:30 PM - 05:30 PM	Workshop Activities

Wednesday, 04 October 2017

08:30 AM - 09:00 AM	Registration, <i>Ballroom A</i>
08:30 AM - 09:00 AM	Load Talks, <i>see instructions for presenters</i>
09:00 AM - 09:40 AM	Wild Ideas, <i>Ballroom A</i>
09:40 AM - 10:30 AM	Keynote: Javier de la Torre - Everything happens somewhere, multiple times, <i>Ballroom A</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> 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: <i>Régine Vignes-Lebbe</i>

S12: Citizen Science Contributions to Biodiversity Research and Standards

Organizer: *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: <i>Anne Bowser</i>
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: <i>Margaret J Gold</i>
11:30 AM - 11:45 AM	Turning Flickr into a useful Citizen Science Resource https://doi.org/10.3897/tdwgproceedings.1.20348 Presenter: <i>Arthur D. Chapman</i>
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: <i>Jana Hoffmann</i>
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: *Marie-Elise Lecoq, David Martin, Christian Gendreau, Federico Mendez, Jeremy Goimard, Santiago Martínez de la Riva, Anders Telenius, Manash Shah*

11:00 AM - 12:30 PM

Chaudière

11:00 AM - 11:15 AM	Living Atlases : tips and advices https://doi.org/10.3897/tdwgproceedings.1.20252 Presenter: <i>Marie-Elise Lecoq</i>
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: <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</i>
11:30 AM - 11:45 AM	IndexMEED cases studies using 'Omics' data with graph theory https://doi.org/10.3897/tdwgproceedings.1.20740 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
12:30 PM - 05:00 PM	Excursion: Pink Lake or Canadian Museum of Nature Collections
12:30 PM - 02:00 PM	Lunch

Thursday, 05 October 2017

08:30 AM - 09:00 AM	Registration, <i>Ballroom A</i>
08:30 AM - 09:00 AM	Load Talks, <i>see instructions for presenters</i>
09:00 AM - 09:40 AM	Standards in Action: The Darwin Core Hour, <i>Ballroom A</i> https://doi.org/10.3897/tdwgproceedings.1.20280 Presenters: <i>Deborah Paul, John Wieczorek, Paula F Zermoglio</i>
09:40 AM - 10:30 AM	Keynote: Pamela Soltis - Linking Heterogeneous Data in Biodiversity Research, <i>Ballroom A</i>
10:30 AM - 11:00 AM	Break, <i>Ballroom B/C</i>
10:30 AM - 11:00 AM	Posters (Odd Numbers), <i>Ballroom B/C</i>
10:45 AM - 11:00 AM	Computer Demo, <i>Ballroom B/C</i> Developing a Module for Generating Formalized Semantic Morphological Descriptions for Morph · D · Base https://doi.org/10.3897/tdwgproceedings.1.15141 Presenters: <i>Sandra Meid, Lars Vogt</i>

S18: Bridging Gaps between Biodiversity Informaticians and Collections Professionals

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

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: <i>Laura Russell</i>
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: <i>Henry Engledow</i>
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: <i>David Bloom</i>
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: <i>Boikhutso Lerato Rapalai</i>
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 Presenters: <i>Jana Hoffmann, Felicitas Löffler</i>
12:15 PM - 12:30 PM	Panel Discussion
11:00 AM - 12:30 PM	Interest Group/Task Group, <i>Chaudiere</i> IG03: Species Information

Organizer: *Francisco Pando*

W21: Biological Interaction Data Workgroup

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

11:00 AM - 12:30 PM

Richelieu

12:30 PM - 02:00 PM Lunch

12:30 PM - 02:00 PM Interest Group/Task Group, *Capitale*
IG02: Technical Architecture Meeting

W23: Towards an Online Atlas of Phenology

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

02:00 PM - 03:30 PM

Richelieu

02:00 PM - 02:15 PM Introduction

Presenters: *Joel Sachs, Pamela Soltis*

02:15 PM - 02:30 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*

02:30 PM - 02:45 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*

02:45 PM - 03:00 PM

Phenology atlas use cases: a new map of plant phenology across North America and beyond

<https://doi.org/10.3897/tdwgproceedings.1.20582>

Presenters: *Zoe Panchen, Jonathan Davies*

03:00 PM - 03:30 PM

Panel Discussion

W06: Data Quality Workshop

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

02:00 PM - 03:30 PM

Chaudière

S18: Bridging Gaps between Biodiversity Informaticians and Collections Professionals

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

02:00 PM - 03:30 PM

Ballroom A

- | | |
|----------------------------|---|
| 02:00 PM - 02:15 PM | A tool for collections-specific searches in genetic databases
https://doi.org/10.3897/tdwgproceedings.1.20320
Presenter: <i>Michael Trizna</i> |
| 02:15 PM - 02:30 PM | Automated Herbarium Specimen Identification using Deep Learning
https://doi.org/10.3897/tdwgproceedings.1.20302
Presenter: <i>Jose Carranza-Rojas</i> |
| 02:30 PM - 02:45 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
Presenters: <i>Paula F Zermoglio, Remy Jomier</i> |
| 02:45 PM - 03:00 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: <i>Udayangani Liu</i> |
| 03:00 PM - 03:15 PM | What's Missing From All the Portals?
https://doi.org/10.3897/tdwgproceedings.1.20236
Presenter: <i>Sharon Grant</i> |
| 03:15 PM - 03:30 PM | SPNHC 2017 Natural History Collections Biodiversity Informatics 101 Short Course Insights
https://doi.org/10.3897/tdwgproceedings.1.20263
Presenter: <i>Holly Little</i> |
| 03:30 PM - 04:00 PM | Break, <i>Ballroom B/C</i> |
| 03:30 PM - 04:00 PM | Posters (Even Numbers), <i>Ballroom B/C</i> |

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

Organizers: *Andreas Müller, Walter Berendsohn, Anton Güntsch*

04:00 PM - 05:30 PM

Ballroom A

- | | |
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| 04:00 PM - 04:15 PM | The EDIT Platform for Cybertaxonomy, a Brief Overview
https://doi.org/10.3897/tdwgproceedings.1.20368
Presenter: <i>Andreas Kohlbecker</i> |
| 04:15 PM - 04:30 PM | A Comprehensive and Standards-Aware Common Data Model (CDM) for Taxonomic Research
https://doi.org/10.3897/tdwgproceedings.1.20367
Presenter: <i>Andreas Müller</i> |
| 04:30 PM - 04:45 PM | The CDM Applied: Handling of Names, Taxa and Concepts in a Conservation Context
https://doi.org/10.3897/tdwgproceedings.1.20364
Presenter: <i>Walter G. Berendsohn</i> |
| 04:45 PM - 05:00 PM | The CDM Applied: Unit-Derivation, from Field Observations to DNA Sequences |

<https://doi.org/10.3897/tdwgproceedings.1.20366>

Presenter: *Andreas Müller*

05:00 PM - 05:15 PM

EDIT Platform Web Services in the Biodiversity Infrastructure Landscape

<https://doi.org/10.3897/tdwgproceedings.1.20363>

Presenter: *Andreas Kohlbecker*

05:15 PM - 05:30 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: *Zoe Panchen, Joel Sachs, Mélanie Bélisle-Leclerc, Scott Chamberlain, Jonathan Davies, Pamela Soltis, Rob Guralnick*

04:00 PM - 05:30 PM

Richelieu

04:00 PM - 04:15 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*

04:15 PM - 04:30 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*

04:30 PM - 04:45 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*

04:45 PM - 05:30 PM

Panel Discussion

W06: Data Quality Workshop

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

04:00 PM - 05:30 PM

Chaudière

06:30 PM - 10:00 PM

Banquet, *Canadian Museum of History, 100 Laurier Street, Gatineau (Hull), Quebec*

Friday, 06 October 2017

08:30 AM - 09:00 AM Registration, *Ballroom A*
08:30 AM - 09:00 AM Load Talks, *see instructions for presenters*

W14: Standards for Citizen Science Biodiversity Studies

Organizers: *Robert D. Stevenson, Libby Ellwood*

09:00 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*

09:00 AM - 10:30 AM

Ballroom A

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| 09:00 AM - 09:15 AM | Species Information pages, how are the data discovered, consolidated and presented.
https://doi.org/10.3897/tdwgproceedings.1.20294
Presenter: <i>Jeff Gerbracht</i> |
| 09:15 AM - 09:30 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> |
| 09:30 AM - 09:45 AM | Traits in a graph
https://doi.org/10.3897/tdwgproceedings.1.20289
Presenter: <i>Jennifer Hammock</i> |
| 09:45 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> |

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

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

09:00 AM - 10:30 AM

Chaudiere

09:00 AM - 09:15 AM	AnnoSys – an online tool for sharing annotations to enhance data quality https://doi.org/10.3897/tdwgproceedings.1.20315 Presenters: <i>Walter G. Berendsohn, Okka Tschöpe</i>
09:15 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: <i>Lutz Suhrbier</i>
10:15 AM - 10:30 AM	Panel Discussion
10:30 AM - 11:00 AM	Break, <i>Ballroom B/C</i>

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

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

11:00 AM - 12:30 PM

Chaudiere

11:00 AM - 11:15 AM	Semantic Annotations of Text and Images in Morph · D · Base https://doi.org/10.3897/tdwgproceedings.1.14778 Presenter: <i>Christian Köhler</i>
11:15 AM - 11:30 AM	Annotating out the Way to the Linked Biodiversity Data Web https://doi.org/10.3897/tdwgproceedings.1.20270 Presenter: <i>Guan Shuo Mai</i>
11:30 AM - 11:45 AM	AnnoSys - future developments https://doi.org/10.3897/tdwgproceedings.1.20317 Presenter: <i>Lutz Suhrbier</i>
11:45 AM - 12:30 PM	Panel Discussion

Contributed: Topics in Taxonomy and Ontologies

Moderator: *David Shorthouse*

11:00 AM - 12:30 PM

Ballroom A

11:00 AM - 11:15 AM	Setup of BIOfid, a new Specialised Information Service for Biodiversity Research
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	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	SOCOMAS: A Self-Describing and Content-Independent Application for Semantic Ontology-Controlled Web-Content-Management-Systems https://doi.org/10.3897/tdwgproceedings.1.20033 Presenters: <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>
11:00 AM - 12:30 PM	Interest Group/Task Group, <i>Richelieu</i> IG04: Collections Description Meeting Organizers: <i>Alexander Thompson, Deborah Paul</i>
12:30 PM - 02:00 PM	Lunch
02:00 PM - 03:30 PM	Business Meeting: Reports from Treasurer, Interest and Task Groups; Preview of TDWG2018; Closing Remarks Presenters: <i>William Ulate, Dimitrios Koureas</i>