

# **TDWG2017 DRAFT PROGRAM**

Ottawa, Ontario, CANADA

PREPARED SEPTEMBER 6, 2017

INCLUDES DAILY SCHEDULE ONLY, FORMATTING SUBJECT TO CHANGE

Immediately inform David Shorthouse, [dshorthouse@mus-nature.ca](mailto:dshorthouse@mus-nature.ca) if you discover a significant error.

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, <i>Ballroom A</i>
8:30 AM - 9:00 AM	Load Talks, <i>see instructions for presenters</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)

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) <a href="https://doi.org/10.3897/tdwgproceedings.1.17010">https://doi.org/10.3897/tdwgproceedings.1.17010</a> 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 <a href="https://doi.org/10.3897/tdwgproceedings.1.19829">https://doi.org/10.3897/tdwgproceedings.1.19829</a> Presenter: <i>David Shorthouse</i>
11:30 AM - 11:45 AM	SiBBr: Envisioning the spatial distribution of Brazilian biodiversity records <a href="https://doi.org/10.3897/tdwgproceedings.1.19966">https://doi.org/10.3897/tdwgproceedings.1.19966</a> Presenter: <i>Luiza Correa, Rafael Sacramento</i>
11:45 AM - 12:00 PM	Symbiota2 <a href="https://doi.org/10.3897/tdwgproceedings.1.19933">https://doi.org/10.3897/tdwgproceedings.1.19933</a> Presenter: <i>Mary E. Barkworth</i>
12:00 PM - 12:15 PM	Taxonomy and Distribution in Big Data Use Cases from BISON and ITIS <a href="https://doi.org/10.3897/tdwgproceedings.1.19890">https://doi.org/10.3897/tdwgproceedings.1.19890</a> Presenter: <i>Gerald Guala</i>
12:15 PM - 12:30 PM	Google Summer of Code: Why TDWG should participate <a href="https://doi.org/10.3897/tdwgproceedings.1.19918">https://doi.org/10.3897/tdwgproceedings.1.19918</a> Presenter: <i>Vijay Barve</i>

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

Organizers: *Andreas Kohlbecker*

**11:00 AM - 12:30 PM**

*Chaudiere*

## 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<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20152">https://doi.org/10.3897/tdwgproceedings.1.20152</a><br>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<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20066">https://doi.org/10.3897/tdwgproceedings.1.20066</a><br>Presenter: <i>Roselyn Gabud</i>                    |
| 11:30 AM - 11:45 AM | Building Your Own Big Data Analysis Infrastructure for Biodiversity Science<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20161">https://doi.org/10.3897/tdwgproceedings.1.20161</a><br>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<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20067">https://doi.org/10.3897/tdwgproceedings.1.20067</a><br>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<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20084">https://doi.org/10.3897/tdwgproceedings.1.20084</a><br>Presenter: <i>Viktor Senderov</i>                                    |
| 12:15 PM - 12:30 PM | Panel Discussion  |

**12:30 PM - 2:00 PM** Lunch

**1:30 PM - 2:00 PM** Newcomers Meet & Greet, *Capitale*

## 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)<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20483">https://doi.org/10.3897/tdwgproceedings.1.20483</a><br>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<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20423">https://doi.org/10.3897/tdwgproceedings.1.20423</a><br>Presenter: <i>Pelin Yilmaz</i>   |
| 2:30 PM - 2:45 PM | Using MIxS: An Implementation Report from Two Metagenomic Information Systems   |

	<a href="https://doi.org/10.3897/tdwgproceedings.1.20637">https://doi.org/10.3897/tdwgproceedings.1.20637</a> Presenter: <i>Joel Sachs, Luke Thompson</i>
2:45 PM - 3:00 PM	SeqDB: Biological Collection Management with Integrated DNA Sequence Tracking <a href="https://doi.org/10.3897/tdwgproceedings.1.20608">https://doi.org/10.3897/tdwgproceedings.1.20608</a> Presenter: <i>Satpal Bilkhu</i>
3:00 PM - 3:15 PM	Semantically Defining Populations for 'Omics Research <a href="https://doi.org/10.3897/tdwgproceedings.1.20435">https://doi.org/10.3897/tdwgproceedings.1.20435</a> 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>
2:15 PM - 2:30 PM	Cookbooks and Curriculum <a href="https://doi.org/10.3897/tdwgproceedings.1.20405">https://doi.org/10.3897/tdwgproceedings.1.20405</a> Presenter: <i>Mary Kennedy</i>
2:30 PM - 2:45 PM	Expanding the Ocean Biogeographic Information System (OBIS) beyond species occurrences <a href="https://doi.org/10.3897/tdwgproceedings.1.20196">https://doi.org/10.3897/tdwgproceedings.1.20196</a> Presenter: <i>Daphnis De Pooter</i>
2:45 PM - 3:00 PM	Improving data availability with “OBIS-ENV-DATA”: Examples from OBIS-USA <a href="https://doi.org/10.3897/tdwgproceedings.1.20207">https://doi.org/10.3897/tdwgproceedings.1.20207</a> 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 <a href="https://doi.org/10.3897/tdwgproceedings.1.20407">https://doi.org/10.3897/tdwgproceedings.1.20407</a> Presenter: <i>Mary Kennedy</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 <a href="https://doi.org/10.3897/tdwgproceedings.1.20466">https://doi.org/10.3897/tdwgproceedings.1.20466</a> 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? <a href="https://doi.org/10.3897/tdwgproceedings.1.20283">https://doi.org/10.3897/tdwgproceedings.1.20283</a> Presenter: <i>Matthew J. Yoder</i>
2:45 PM - 3:00 PM	Maintenance and development of Symbiota2, a platform for data sharing and visualization <a href="https://doi.org/10.3897/tdwgproceedings.1.20220">https://doi.org/10.3897/tdwgproceedings.1.20220</a> Presenter: <i>Mary E. Barkworth</i>
3:00 PM - 3:15 PM	Sustaining Software for Biological Collections Computing <a href="https://doi.org/10.3897/tdwgproceedings.1.20254">https://doi.org/10.3897/tdwgproceedings.1.20254</a> 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 <a href="https://doi.org/10.3897/tdwgproceedings.1.20216">https://doi.org/10.3897/tdwgproceedings.1.20216</a> Presenter: <i>Elsbeth Margaret Haston, Falko Glöckler, Jana Hoffmann, Fredrik Ronquist, James A Macklin, Stefan Daume</i>
<b>3:30 PM - 4:00 PM</b>	Break, <i>Ballroom B/C</i>
<b>3:45 PM - 4:00 PM</b>	Computer Demo, <i>Ballroom B/C</i> OpenBiodiv: an Implementation of a Semantic System Running on top of the Biodiversity Knowledge Graph <a href="https://doi.org/10.3897/tdwgproceedings.1.20193">https://doi.org/10.3897/tdwgproceedings.1.20193</a> 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 <a href="https://doi.org/10.3897/tdwgproceedings.1.20155">https://doi.org/10.3897/tdwgproceedings.1.20155</a> Presenter: <i>Andrew Sherin</i>
4:15 PM - 4:30 PM	Exploring the Canadian Federated Research Data Repository Service <a href="https://doi.org/10.3897/tdwgproceedings.1.20185">https://doi.org/10.3897/tdwgproceedings.1.20185</a> Presenter: <i>Lee Wilson</i>
4:30 PM - 4:45 PM	Sydney Harbour Atlas <a href="https://doi.org/10.3897/tdwgproceedings.1.20157">https://doi.org/10.3897/tdwgproceedings.1.20157</a> Presenter: <i>Andrew Sherin</i>
4:45 PM - 5:00 PM	The developing Canadian Integrated Ocean Observing System (CIOOS) <a href="https://doi.org/10.3897/tdwgproceedings.1.20432">https://doi.org/10.3897/tdwgproceedings.1.20432</a> 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 <a href="https://doi.org/10.3897/tdwgproceedings.1.20406">https://doi.org/10.3897/tdwgproceedings.1.20406</a> 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*

- |                   |  |
|-------------------|--|
| 4:00 PM - 4:15 PM | The Genomic Observatories Metadatabase<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20508">https://doi.org/10.3897/tdwgproceedings.1.20508</a><br>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<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20521">https://doi.org/10.3897/tdwgproceedings.1.20521</a><br>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<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20548">https://doi.org/10.3897/tdwgproceedings.1.20548</a><br>Presenter: <i>Kathleen J Pitz</i>  |
| 4:45 PM - 5:00 PM | Linking molecular and morphological biodiversity evidence by building a single name space<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20503">https://doi.org/10.3897/tdwgproceedings.1.20503</a><br>Presenter: <i>Dmitry Schigel</i>   |
| 5:00 PM - 5:15 PM | Panel Discussion   |

## Contributed Talks (Part 2)

Moderator: *Robert D. Stevenson*

**4:00 PM - 5:00 PM**

*Ballroom A*

- |                           |  |
|---------------------------|--|
| 4:00 PM - 4:15 PM         | Use of Online Species Occurrence Databases in Published Research since 2010<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20518">https://doi.org/10.3897/tdwgproceedings.1.20518</a><br>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<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20126">https://doi.org/10.3897/tdwgproceedings.1.20126</a><br>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<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20749">https://doi.org/10.3897/tdwgproceedings.1.20749</a><br>Presenter: <i>Quentin Groom</i> |
| 4:45 PM - 5:00 PM         | Development of a National Repository for Aquatic Biodiversity in Bhutan<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20809">https://doi.org/10.3897/tdwgproceedings.1.20809</a><br>Presenter: <i>Sangay Dema</i>  |
| <b>7:00 PM - 10:00 PM</b> | Night at the Museum, <i>Canadian Museum of Nature, 240 McLeod St, Ottawa</i>   |

# Tuesday, 03 October 2017

8:30 AM - 9:00 AM	Load Talks, <i>see instructions for presenters</i>
8:30 AM - 9:00 AM	Registration, <i>Ballroom A</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	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 <a href="https://doi.org/10.3897/tdwgproceedings.1.20279">https://doi.org/10.3897/tdwgproceedings.1.20279</a> 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 <a href="https://doi.org/10.3897/tdwgproceedings.1.15146">https://doi.org/10.3897/tdwgproceedings.1.15146</a> 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 <a href="https://doi.org/10.3897/tdwgproceedings.1.20253">https://doi.org/10.3897/tdwgproceedings.1.20253</a> Presenter: <i>Marie-Elise Lecoq</i>
11:15 AM - 11:30 AM	Living Atlases Architecture <a href="https://doi.org/10.3897/tdwgproceedings.1.19826">https://doi.org/10.3897/tdwgproceedings.1.19826</a> 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 <a href="https://doi.org/10.3897/tdwgproceedings.1.19941">https://doi.org/10.3897/tdwgproceedings.1.19941</a> 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<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20240">https://doi.org/10.3897/tdwgproceedings.1.20240</a><br>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<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20300">https://doi.org/10.3897/tdwgproceedings.1.20300</a><br>Presenter: <i>Allan Koch Veiga</i> |
| 11:30 AM - 11:45 AM       | Fitness-for-Use-Framework-aware Data Quality workflows in Kurator<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20379">https://doi.org/10.3897/tdwgproceedings.1.20379</a><br>Presenter: <i>Paul J. Morris</i>                        |
| 11:45 AM - 12:00 PM       | Darwin Cloud: Mapping real-world data to Darwin Core<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20486">https://doi.org/10.3897/tdwgproceedings.1.20486</a><br>Presenter: <i>John Wieczorek</i>                                     |
| 12:00 PM - 12:15 PM       | Integrating data-cleaning with data analysis to enhance usability of biodiversity big-data<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20244">https://doi.org/10.3897/tdwgproceedings.1.20244</a><br>Presenter: <i>Tomer Gueta</i>  |
| 12:15 PM - 12:30 PM       | Using YesWorkflow hybrid queries to reveal data lineage from data curation activities<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20380">https://doi.org/10.3897/tdwgproceedings.1.20380</a><br>Presenter: <i>Qian Zhang</i>        |
| <b>12:30 PM - 2:00 PM</b> | Lunch   |
| <b>12:30 PM - 2:00 PM</b> | Interest Group/Task Group, <i>Capitale</i><br>IG02: Technical Architecture Meeting<br>Organizer: Greg Whitbread   |

## 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<br><a href="https://doi.org/10.3897/tdwgproceedings.1.19825">https://doi.org/10.3897/tdwgproceedings.1.19825</a><br>Presenter: <i>Christian Gendreau</i>                   |
| 2:15 PM - 2:30 PM | Towards a comprehensive workflow for biodiversity data in R<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20311">https://doi.org/10.3897/tdwgproceedings.1.20311</a><br>Presenter: <i>Vijay Barve, Tomer Gueta</i> |
| 2:30 PM - 2:45 PM | Angling for data: making biodiversity metadata more FAIR<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20267">https://doi.org/10.3897/tdwgproceedings.1.20267</a><br>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: *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

## **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>

**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*

## **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 Mozzerin*

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*

## **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

# Wednesday, 04 October 2017

- 8:30 AM - 9:00 AM Registration, *Ballroom A*
- 8:30 AM - 9:00 AM Load Talks, *see instructions for presenters*
- 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

*Chaudière*

- 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<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20339">https://doi.org/10.3897/tdwgproceedings.1.20339</a><br>Presenter: <i>Mike Lichtenberg</i>   |
| 11:15 AM - 11:30 AM           | TAXREF-LD: A Reference Thesaurus for Biodiversity on the Web of Linked Data<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20232">https://doi.org/10.3897/tdwgproceedings.1.20232</a><br>Presenter: <i>Franck Michel, Olivier Gargominy</i> |
| 11:30 AM - 11:45 AM           | IndexMEED cases studies using 'Omics' data with graph theory<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20740">https://doi.org/10.3897/tdwgproceedings.1.20740</a><br>Presenter: <i>Romain David</i>                                    |
| 11:45 AM - 12:00 PM           | A High-throughput Data Ingest Pipeline for Semantic Data-stores<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20208">https://doi.org/10.3897/tdwgproceedings.1.20208</a><br>Presenter: <i>John Deck</i>                                    |
| 12:00 PM - 12:15 PM           | Using ontologies to explore floral evolution in a non-model plant clade<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20347">https://doi.org/10.3897/tdwgproceedings.1.20347</a><br>Presenter: <i>Annika L Smith</i>                       |
| 12:15 PM - 12:30 PM           | Panel Discussion   |
| <br><b>12:30 PM - 5:00 PM</b> | <br>Excursion: Pink Lake or Canadian Museum of Nature Collections  |
| <b>12:30 PM - 2:00 PM</b>     | Lunch  |

# Thursday, 05 October 2017

8:30 AM - 9:00 AM	Registration, <i>Ballroom A</i>
8:30 AM - 9:00 AM	Load Talks, <i>see instructions for presenters</i>
9:00 AM - 9:40 AM	Standards in Action: The Darwin Core Hour, <i>Ballroom A</i>
9:40 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 <a href="https://doi.org/10.3897/tdwgproceedings.1.15141">https://doi.org/10.3897/tdwgproceedings.1.15141</a> Presenter: <i>Sandra Meid, Lars Vogt</i>

## 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 <a href="https://doi.org/10.3897/tdwgproceedings.1.20234">https://doi.org/10.3897/tdwgproceedings.1.20234</a> 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! <a href="https://doi.org/10.3897/tdwgproceedings.1.20194">https://doi.org/10.3897/tdwgproceedings.1.20194</a> Presenter: <i>Henry Engledow</i>
11:30 AM - 11:45 AM	An Example of Synergy in Data Mobilization: the Arctos-VertNet Nexus <a href="https://doi.org/10.3897/tdwgproceedings.1.20098">https://doi.org/10.3897/tdwgproceedings.1.20098</a> 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 <a href="https://doi.org/10.3897/tdwgproceedings.1.20274">https://doi.org/10.3897/tdwgproceedings.1.20274</a> 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 <a href="https://doi.org/10.3897/tdwgproceedings.1.20198">https://doi.org/10.3897/tdwgproceedings.1.20198</a> Presenter: <i>Jana Hoffmann, Felicitas Löffler</i>
12:15 PM - 12:30 PM	Panel Discussion
<b>11:00 AM - 12:30 PM</b>	Interest Group/Task Group, <i>Chaudiere</i> IG03: Species Information Organizer: <i>Francisco Pando</i>

## W21: Biological Interaction Data Workgroup

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

**11:00 AM - 12:30 PM**

*Richelieu*

**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

## 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**

*Chaudière*

## 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<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20320">https://doi.org/10.3897/tdwgproceedings.1.20320</a><br>Presenter: <i>Michael Trizna</i>   |
| 2:15 PM - 2:30 PM        | Automated Herbarium Specimen Identification using Deep Learning<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20302">https://doi.org/10.3897/tdwgproceedings.1.20302</a><br>Presenter: <i>Jose Carranza-Rojas</i>  |
| 2:30 PM - 2:45 PM        | Building community-specific standards and vocabularies: prospects and challenges for linking to the broader community - The SINP Case<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20297">https://doi.org/10.3897/tdwgproceedings.1.20297</a><br>Presenter: <i>Paula F Zermoglio, Remy Jomier</i> |
| 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<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20197">https://doi.org/10.3897/tdwgproceedings.1.20197</a><br>Presenter: <i>Udayangani Liu</i>                |
| 3:00 PM - 3:15 PM        | What's Missing From All the Portals?<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20236">https://doi.org/10.3897/tdwgproceedings.1.20236</a><br>Presenter: <i>Sharon Grant</i>  |
| 3:15 PM - 3:30 PM        | SPNHC 2017 Natural History Collections Biodiversity Informatics 101 Short Course Insights<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20263">https://doi.org/10.3897/tdwgproceedings.1.20263</a><br>Presenter: <i>Holly Little</i>   |
| <b>3:30 PM - 4:00 PM</b> | Break, <i>Ballroom B/C</i>   |
| <b>3:30 PM - 4:00 PM</b> | 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: *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<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20368">https://doi.org/10.3897/tdwgproceedings.1.20368</a><br>Presenter: <i>Andreas Kohlbecker</i>                             |
| 4:15 PM - 4:30 PM | A Comprehensive and Standards-Aware Common Data Model (CDM) for Taxonomic Research<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20367">https://doi.org/10.3897/tdwgproceedings.1.20367</a><br>Presenter: <i>Andreas Müller</i>    |
| 4:30 PM - 4:45 PM | The CDM Applied: Handling of Names, Taxa and Concepts in a Conservation Context<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20364">https://doi.org/10.3897/tdwgproceedings.1.20364</a><br>Presenter: <i>Walter G. Berendsohn</i> |
| 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**

*Chaudière*

**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, *see instructions for presenters*

## **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.<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20294">https://doi.org/10.3897/tdwgproceedings.1.20294</a><br>Presenter: <i>Jeff Gerbracht</i>   |
| 9:15 AM - 9:30 AM   | Building semantics in the domain of trait data: an OBO Library approach<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20293">https://doi.org/10.3897/tdwgproceedings.1.20293</a><br>Presenter: <i>Pier Luigi Buttigieg</i>   |
| 9:30 AM - 9:45 AM   | Traits in a graph<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20289">https://doi.org/10.3897/tdwgproceedings.1.20289</a><br>Presenter: <i>Jennifer Hammock</i>   |
| 9:45 AM - 10:00 AM  | VicFlora: a dynamic, service-based Flora<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20525">https://doi.org/10.3897/tdwgproceedings.1.20525</a><br>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<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20337">https://doi.org/10.3897/tdwgproceedings.1.20337</a><br>Presenter: <i>Leen Vandepitte</i> |
| 10:15 AM - 10:30 AM | Traits as Essential Biodiversity Variables<br><a href="https://doi.org/10.3897/tdwgproceedings.1.20295">https://doi.org/10.3897/tdwgproceedings.1.20295</a><br>Presenter: <i>Robert Guralnick</i>  |

## **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*

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

## **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

## **Contributed Talks (Part 3)**

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  
<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*
- 11:00 AM - 12:30 PM** Interest Group/Task Group, *Richelieu*  
 IG04: Collections Description Meeting  
 Organizer: Deborah Paul, Alexander Thompson
- 12:30 PM - 2:00 PM** Lunch
- 2:00 PM - 3:30 PM** Business Meeting: Reports from Treasurer, Interest and Task Groups; Preview of  
 TDWG2018; Closing Remarks  
 Presenter: *William Ulate, Dimitrios Koureas*