

TDWG2017 DRAFT PROGRAM

Ottawa, Ontario, CANADA

PREPARED SEPTEMBER 18, 2017

INCLUDES DAILY SCHEDULE ONLY, FORMATTING SUBJECT TO CHANGE

Daily Schedule

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 (by invitation)
Organizers: *Arthur D. Chapman, Antonio M. Saraiva*

05:30 PM - 08:00 PM Registration in the Penthouse, *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</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 Presenter: <i>Andreas Kohlbecker</i>
11:15 AM - 12:30 PM	Workshop Activities

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

Capitale

- | | |
|---------------------|---|
| 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, *Capitale*

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

Capitale

- | | |
|---------------------|---|
| 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> |
| 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: *James H. Beach*

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: *Elsbeth Margaret Haston, Falko Glöckler, Jana Hoffmann, Fredrik Ronquist, James A Macklin, Stefan Daume*

03:30 PM - 04:00 PM Break, *Ballroom B*

03:45 PM - 04:00 PM Computer Demo, *Ballroom B*

OpenBiodiv: an Implementation of a Semantic System Running on top of the Biodiversity Knowledge Graph

<https://doi.org/10.3897/tdwgproceedings.1.20193>

Presenters: *Viktor Senderov, Teodor Asenov Georgiev*

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: *Jeff McKenna*

04:15 PM - 04:30 PM Exploring the Canadian Federated Research Data Repository Service

<https://doi.org/10.3897/tdwgproceedings.1.20185>

Presenter: *Lee Wilson*

04:30 PM - 04:45 PM Sydney Harbour Atlas

<https://doi.org/10.3897/tdwgproceedings.1.20157>

Presenter: *Andrew Sherin*

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

Capitale

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: <i>Kelly Goodwin</i>
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: <i>Kathleen J Pitz</i>
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: <i>Dmitry Schigel</i>
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: <i>Joan E Ball-Damerow</i>
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: <i>Laura Brenskelle</i>
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: <i>Peter Desmet</i>
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: <i>Sangay Dema</i>

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, *see instructions for presenters*
- 08:30 AM - 09:00 AM** Registration, *Ballroom A*
- 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., *Ballroom A*
- 09:40 AM - 10:30 AM** Keynote: Anne Bowser - Standardizing Citizen Science?, *Ballroom A*
- 10:30 AM - 11:00 AM** Break, *Ballroom B*
- 10:30 AM - 11:00 AM** Posters (Even Numbers), *Ballroom B*
- 10:45 AM - 11:00 AM** Computer Demo, *Ballroom B*
TaxonWorks
<https://doi.org/10.3897/tdwgproceedings.1.20279>
Presenter: *Matthew J. Yoder*

W09: Implementing Biodiversity Standards for Paleobiology

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

11:00 AM - 12:30 PM

Capitale

- 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: *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: *Marie-Elise Lecoq*
- 11:15 AM - 11:30 AM Living Atlases Architecture
<https://doi.org/10.3897/tdwgproceedings.1.19826>
Presenters: *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 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 Wiecek</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, *Capitale*
IG02: Technical Architecture Meeting
Organizer: *TBA*

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: *Quentin Groom*

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: *Santiago Martínez de la Riva*

02:15 PM - 02:30 PM Biocache-store: Command-Line Interface tool for managing occurrence records

Presenter: *Manash Shah*

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

Capitale

02:00 PM - 02:15 PM How Agricultural Researchers Share their Data: a Landscape Inventory

<https://doi.org/10.3897/tdwgproceedings.1.20434>

Presenter: *Erin Antognoli*

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: *Prabhakar Rajagopal*

02:30 PM - 02:45 PM The Value of Agricultural Voucher Specimens

<https://doi.org/10.3897/tdwgproceedings.1.19932>

Presenter: *Mary E. Barkworth*

02:45 PM - 03:00 PM Bringing Bugs into the System

<https://doi.org/10.3897/tdwgproceedings.1.20050>

Presenter: *Gail Kampmeier*

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), *Ballroom B*

03:30 PM - 04:00 PM Break, *Ballroom B*

03:45 PM - 04:00 PM Computer Demo, *Ballroom B*

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: *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

Capitale

- | | |
|---------------------|--|
| 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: *Carolyn A. Sheffield*

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: *Manash Shah*

04:15 PM - 04:30 PM Occurrences : Data resources and Biocache-hub
<https://doi.org/10.3897/tdwgproceedings.1.20321>
Presenter: *Jeremy Goimard*

04:30 PM - 05:30 PM Workshop Activities

Wednesday, 04 October 2017

08:30 AM - 09:00 AM	Load Talks, <i>see instructions for presenters</i>
08:30 AM - 09:00 AM	Registration, <i>Ballroom A</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</i>
10:45 AM - 11:00 AM	Computer Demo, <i>Ballroom B</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

Capitale

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>
---------------------	---

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

Thursday, 05 October 2017

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

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: *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>
Presenters: *Jana Hoffmann, Felicitas Löffler*
- 12:15 PM - 12:30 PM** Panel Discussion

- 11:00 AM - 12:30 PM** Interest Group/Task Group, *Chaudiere*
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

Capitale

12:30 PM - 02:00 PM Lunch

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

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

Capitale

- | | |
|---------------------|---|
| 02:00 PM - 02:15 PM | Introduction
Presenters: <i>Joel Sachs, Pamela Soltis</i> |
| 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: <i>Heather Kharouba</i> |
| 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: <i>Keith Barker</i> |
| 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: <i>Zoe Panchen, Jonathan Davies</i> |
| 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

Chaudiere

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: *Michael Trizna*

02:15 PM - 02:30 PM

What's Missing From All the Portals?

<https://doi.org/10.3897/tdwgproceedings.1.20236>

Presenter: *Sharon Grant*

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: *Paula F Zermoglio, Remy Jomier*

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: *Udayangani Liu*

03:00 PM - 03:15 PM

Automated Herbarium Specimen Identification using Deep Learning

<https://doi.org/10.3897/tdwgproceedings.1.20302>

Presenter: *Jose Carranza-Rojas*

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: *Holly Little*

03:30 PM - 04:00 PM Break, *Ballroom B*

03:30 PM - 04:00 PM Posters (Even Numbers), *Ballroom B*

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

04:00 PM - 04:15 PM

The EDIT Platform for Cybertaxonomy, a Brief Overview

<https://doi.org/10.3897/tdwgproceedings.1.20368>

Presenter: *Andreas Kohlbecker*

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: *Andreas Müller*

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: *Walter G. Berendsohn*

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

Capitale

- | | |
|---------------------|--|
| 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: <i>Lee Marsh</i> |
| 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: <i>Brian J. Stucky</i> |
| 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: <i>Patrick W Sweeney</i> |
| 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

Chaudiere

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

Capitale

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

- | | |
|---------------------|--|
| 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: *Walter G. Berendsohn, Okka Tschöpe*

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: *Lutz Suhrbier*

10:15 AM - 10:30 AM Panel Discussion

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

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: *Christian Köhler*

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: *Burke Chih-Jen Ko*

11:30 AM - 11:45 AM AnnoSys - future developments
<https://doi.org/10.3897/tdwgproceedings.1.20317>
Presenter: *Lutz Suhrbier*

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
<https://doi.org/10.3897/tdwgproceedings.1.19803>
Presenter: *Markus Koch*

11:15 AM - 11:30 AM SOCCOMAS: A Self-Describing and Content-Independent Application for Semantic Ontology-Controlled Web-Content-Management-Systems
<https://doi.org/10.3897/tdwgproceedings.1.20033>
Presenters: *Sandra Meid, Lars Vogt*

11:30 AM - 11:45 AM OntoPilot: New Software to Simplify and Accelerate Ontology Development and Deployment
<https://doi.org/10.3897/tdwgproceedings.1.20192>
Presenter: *Brian J. Stucky*

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 Building a Taxonomic Data Editor: ITIS Taxonomic Workbench 6.0
<https://doi.org/10.3897/tdwgproceedings.1.19965>
Presenter: *David Mitchell*

12:15 PM - 12:30 PM Catalogue of Life, China and Taxonomic Tree Tool
<https://doi.org/10.3897/tdwgproceedings.1.20394>
Presenter: *Liqiang Ji*

11:00 AM - 12:30 PM Interest Group/Task Group, *Capitale*
IG04: Collections Description Meeting
Organizers: *Alexander Thompson, Deborah Paul*

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: *William Ulate, Dimitrios Koureas*