

**BIODIVERSITY INFORMATION
STANDARDS**

TDWG

2015 ANNUAL CONFERENCE



September 28, 2015 – October 1, 2015

Windsor Golf Hotel and Country Club

Nairobi, Kenya

Twitter: #TDWG15

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Karibu Kenya!

The TDWG 2015 Local Organizing Committee is pleased to welcome Biodiversity Information Standards for its first



conference on the African Continent. More specifically, we welcome you to Magical Kenya, the jewel of East Africa, and its bustling capital city, Nairobi, with a national game park of its own and within a half day's drive of Kenya's most spectacular game parks. Enjoy a safari during

your visit!

Conference Theme

Applications, Standards and Capacity Building for Sustaining Global Biodiversity

Conference Sub-themes:

- Digitization
- Semantic technologies
- Phyloinformatics
- Outreach and collaboration
- ePublications
- Trait data
- Conservation informatics
- Citizen science

TDWG 2015 Local Organizing Committee (LOC) members

Lucy Waruingi, LOC Chair	Executive Director, African Conservation Centre
Geoffrey Mwachala, Co-Chair	Director Research & Collections, National Museums of Kenya
Victor Mose	Amboseli Conservation Program
Lawrence Monda	National Museums of Kenya
Francis Oguya	National Museums of Kenya
Emily Wabuye	National Museums of Kenya
Juliana Jebet	National Museums of Kenya
Edwardina Ndhine	National Commission for Science and Technology
Josephine Wairimu	University of Nairobi, Computer Science
Ben Owour	University of Nairobi, Math Department
Patricia Karani	Event coordinator

Program Committee

Hank Bart, Program Chair	Tulane University
Francis Oguya	National Museums of Kenya
Emily Wabuye	National Museums of Kenya
Cynthia Parr	National Agricultural Library, USDA
Anders Telenius	Swedish Museum of Natural History
Gail Kampmeier	University of Illinois
Victor Mose	Amboseli Conservation Program

Symposia, Interest Groups, Workshops/Demos

Symposia	
Convener(s)	Title/(ID)
Niall Beard, Anton Güntsch, James Macklin, Paul Morris	Biodiversity Informatics Services and Workflows (S01)
Dimitris Koureas	Professional and formal biodiversity informatics training as a key for capacity building: state-of-play, challenges (S02)
David Schindel	The Role of Data Standards in Real-World Applications using Biodiversity Information (S03)
Martin Kalfatovic, Carolyn Sheffield, Connie Rinaldo	BHL Africa: Assessing and Building Capacity for Global Access to Biodiversity Literature (S04)
Robert Stevenson, Hank Bart, Bob Morris, Victor Mose	The role of camera trap programs for biodiversity monitoring and conservation: Standards and practices for sharing data (S05)
Ramona Walls, Robert Guralnick, John Deck	Semantics for Sustaining Biodiversity(S06)
Hank Bart, Lucy Waruingi	Training and Collaboration for sustained African Engagement in Biodiversity Informatics (S07)
Interest/Task Group meetings	
James Macklin	Biodiversity Services and Clients Interest Group (IG01)
John Deck	Genomic Biodiversity Working Group (IG02)
others TBD	
Workshops/Demos	
Simon Rycroft	Scratchpads platform (W03)
Ramona Walls	Using iPlant's infrastructure for biodiversity research (W01)
Deb Paul, Libby Ellwood	Biodiversity Data Mobilization Models (W04)

Sponsors

Generous support for TDWG 2015 has been provided by the JRS Biodiversity Foundation through a grant to Henry L. Bart, Jr., of Tulane University. This award is enabling 35 of our colleagues from countries in sub-Saharan Africa to participate in TDWG 2015.



Additional financial and in-kind support has been provided by:



African
Conservation
Centre



Government of Kenya -
Department of
Remote Sensing and
Resource Surveys



University of
Nairobi



National Council for
Science and Technology



Keynote Speakers

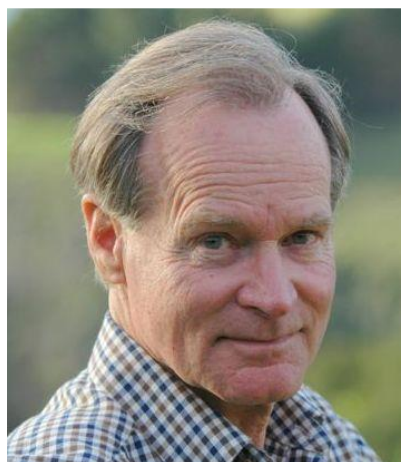
Wilbur Ottichilo is a Member of the Kenyan Parliament for Emuhaya Constituency in Western Kenya, a member of the Parliament's Education, Science and Technology committee, and serves on the Parliamentary caucus on Renewable Energy and Climate Change. He formerly served as Director General of the Regional Center for Mapping Resources for Development (RCMRD), an affiliate institution of the United Nations Economic Commission for Africa (UNECA). He holds a Ph.D. from the Institute of Geo-Information and Earth Sciences in the Netherlands.



Tanya Abrahamse has for over 20 years played an acknowledged leadership role and reference point in key areas of South Africa's socio-economic and political development - prior, during and after South Africa's transition to democracy. Originally a natural scientist by training, she has been a policy and strategic leader in South Africa in the areas of development, tourism and

biodiversity. She is currently CEO of the SA National Biodiversity Institute (SANBI), which sets the biodiversity agenda for the country, has managed to successfully raise the profile of the sector and its centrality to SA's social and economic goals. She also sits on the UN Secretary General's Inaugural Science Advisory Board which aims to bring science to bear on global sustainable development.

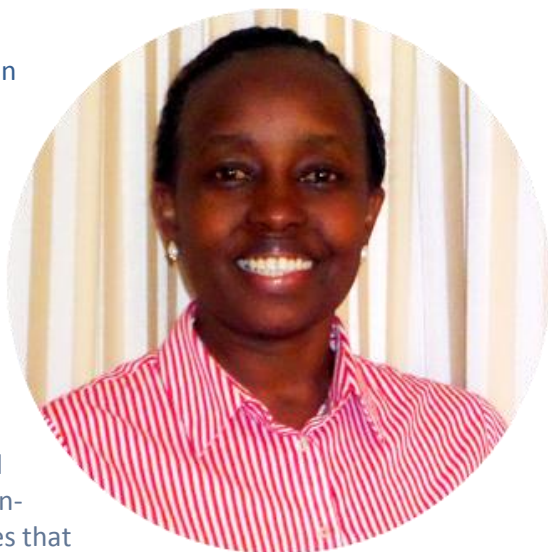
Selwyn Willoughby is Eastern and Southern Africa Technical Advisor for the International Union for Conservation of Nature's Biodiversity and Protected Areas Management Programme (BIOPAMA), which aims to address threats to biodiversity in African, Caribbean and Pacific (ACP) countries, while reducing poverty in communities in and around protected areas. He provides information management, strategy development, training and workshop facilitation services to the organization. He has experience working throughout Africa, assembling teams to create innovative information management and systems solutions catered specifically to African needs. He is also a noted photographer.



David Western is chairman of the African Conservation Centre, Nairobi. He began research into savannas ecosystems at Amboseli in 1967, looking at the interactions of humans and wildlife. His work, unbroken since then, has served as a barometer of changes in the savannas and a test of conservation solutions based on the coexistence of people and wildlife. Western directed Wildlife Conservation Society programs internationally, established Kenya's Wildlife Planning Unit, chaired the African Elephant and Rhino Specialist Group, and was founding president of The International Ecotourism Society, chairman of the Wildlife Clubs of Kenya, director of Kenya Wildlife Service and founder

of the African Conservation Centre in Nairobi. He is an adjunct professor in Biology at the University of California, San Diego. Western's publications include *Conservation for the Twenty-first Century*, *In the Dust of Kilimanjaro*, and *Natural Connections: Perspectives in Community-based Conservation*. He is chief editor of the upcoming book, *Kenya's Natural Capital: A Biodiversity Atlas*. He served on a government task force redrafting environmental legislation in line with the new Constitution of Kenya 2010. He received the World Ecology Award for 2010 and the 2012 Life-time Achievement Award for Ecotourism.

Lucy Waruingi is Executive Director of African Conservation Centre. She holds a B.Sc. in Computer Science and statistics from the University of Nairobi and a M. Sc. in Geographic Information Systems (GIS) from Manchester Metropolitan University (UK). She has long had interest in the management and interpretation of biological and environmental data for decision-making and informing initiatives that enhance local livelihoods in rich biodiversity areas. She is part of an East Africa regional effort to develop a framework for the mobilization of biodiversity information for the sustainable management of natural resources. Lucy is chair and founding member of the Kenyan Chapter of the Society for Conservation GIS, and a member of the Society for Conservation Int'l Board of Directors.



TDWG 2015 Nairobi Schedule-at-a-Glance

Session ID	Day	Time	Plenary Oak	Breakout 1 Africana	Breakout 2 Mika Room	Windsor Lobby	Breakout 4 B Center TDWG Executive Meeting	Social Activities
	Sunday, 27 September 2015	09:00 - 17:00						
		15:30 - 17:00				Conference registration (and each morning from 8 10 AM)		No-host meet and greet social
		19:00 - 22:00						
Day 1, Monday, 28 September								
1	AM Break (Library/Lounge)	09:00 - 10:30	Plenary & Keynote by Wilbur Otchiblo					
			Posters S07 - Training & Collaboration for Sustained African Engagement in Biodiversity Informatics					
2	Lunch	11:00 - 12:30						
			S03 - The Role of Data Standards in Real-World Applications Using Biodiversity Information					
3	PM Break (Library/Lounge)	14:00 - 15:30						
			Information posters					
4		16:00 - 17:30	C04 - Using Biodiversity Informatics Tools for Management	C02 - Biodiversity Informatics Tools for Systematics	WU1 - Hands-on Cyberinfrastructure Workshop - Plant Collaborative - not just for plants! Part I			welcome cocktail reception, at the Windsor hotel
		18:30 - 20:30						
Day 2, Tuesday, 29 September								
5	AM Break (Library/Lounge)	09:00 - 10:30	Keynotes by Tanya Abrahams and Selwyn Willoughby posters					
			S02 - Formal Biodiversity Informatics Training as key for capacity building: state of play, challenges and opportunities		WU1 - Hands-on Cyberinfrastructure Workshop - iPlant Collaborative - not just for plants! Part II			
6	Lunch	11:00 - 12:30						
			W04 - Biodiversity Data Mobilization Models I posters	S06 - Semantics for Sustaining Biodiversity				
7	PM Break (Library/Lounge)	14:00 - 15:30						

TDWG 2015 Nairobi Schedule-at-a-Glance

Session ID	Day	Time	Plenary Oak	Breakout 1 Africana	Breakout 2 Mika Room	Windsof Lobby	Breakout 4 B Center	Social Activities
		19:00 - 22:00						Night at the Museum! (Tour of Nairobi National Museum)
Day 3, Wednesday, 30 September								
9	AM Break (Library/Lounge)	09:00 - 10:30	Keynote by David Western and Lucy Waurinigi					
10	Lunch	11:00 - 12:30	posters C05 - Digitization and Data Publishing	C01 - Genetic Resource Preservation	W03 - Scratchpads Training I			
11	PM Break (Library/Lounge)	14:00 - 15:30	S01 - Biodiversity Informatics Services and Workflows posters S05 - The Role of Camera traps for Biodiversity Monitoring and Conservation	C06 - Citizen Science	W03 - Scratchpads Training II			
12		16:00 - 17:30		IG01 - Biodiversity Services & Clients Interest Group	W03 - Scratchpads Training III			
Day 4, Thursday, 1 October								
17	AM Break (Library/Lounge)	09:00 - 10:30	C03 - Biodiversity Informatics Tools for Protected Areas Conservation					
18	Lunch	11:00 - 12:30	S04 - BHL Africa: Assessing & Building Capacity for Global Access to Biodiversity Literature					
19	PM Break (Library/Lounge)	14:00-15:30	TDWG Business Meeting					
20		16:00 - 17:30	Closing Session					
		17:30 - 18:30	TDWG Executive Meeting					TDWG Conference Banquet, Safari Park Hotel
		19:30 - 22:30						

TDWG 2015 Conference Schedule

Day, Time, Session, Room, Presenters

SUNDAY, 2015-09-27

09:00 AM - 05:00 PM TDWG Executive Meeting (B Center)

03:30 PM - 05:00 PM Conference Registration: Register on-site or pick up your registration materials for prepaid registrants in the Windsor Lobby. Purchase banquet tickets here.

07:00 PM - 10:00 PM Informal Meet & Greet Social: A no-host ice-breaker social will be held in the Conference Pre-function area adjacent to the Library Bar and Lounge.

MONDAY, 2015-09-28

08:00 AM - 10:00 AM Conference Registration: Register on-site or pick up your registration materials for prepaid registrants in the Windsor Lobby. Purchase banquet tickets here.

09:00 AM - 10:30 AM - Opening Session (Oak Room)

Welcoming Remarks - Ms. Lucy Waruingi

Keynote Speaker - Dr. Wilbur Ottichilo

Use of biodiversity informatics in the nexus of policy and science for action and impact

TDWG President Address - Dr. Cynthia Parr

10:30 AM - 11:00 AM - Monday Morning Break & Poster Viewing (Library Lounge)

S07 - TRAINING AND COLLABORATION FOR SUSTAINED AFRICAN ENGAGEMENT IN BIODIVERSITY INFORMATICS (OAK ROOM)

11:00 AM - 11:15 AM [848. AFRICA RISING: HARNESSING THE MOMENTUM.](#) Russell Galt

11:15 AM - 11:30 AM [794. BIODIVERSITY INFORMATION FOR DEVELOPMENT.](#) Siro Masinde, Olaf Bánki, Donald Hobern

11:30 AM - 11:45 AM [867. BIODIVERSITY INFORMATION : TRAINING AND COLLABORATIONS ACROSS BORDERS.](#) Patricia Mergen, Larissa Smirnova, Franck Theeten

11:45 AM - 12:00 PM [910. BUILDING CAPACITY VIA IN-PERSON TRAINING AND ONLINE DIGITAL MATERIALS: THE BIODIVERSITY INFORMATICS TRAINING CURRICULUM.](#) A. Townsend Peterson

12:00 PM - 12:15 PM [888. BARCODE OF WILDLIFE PROJECT KENYA \(BWPK\): PARTNERSHIP IN COMBATING WILDLIFE CRIME.](#) Beatrice Nangami Khayota, Ann Mwaura

12:15 PM - 12:30 PM [852. A ROADMAP FOR SUSTAINING AFRICAN PARTICIPATION IN TDWG CONFERENCES BEYOND 2015.](#) Henry L. Bart

12:30 PM - 02:00 PM – Lunch

S03 - THE ROLE OF DATA STANDARDS IN REAL-WORLD APPLICATIONS USING BIODIVERSITY INFORMATION (OAK ROOM)

02:00 PM - 02:15 PM [889. APPLICATION OF THE BARCODE DATA STANDARD: THE BARCODE OF WILDLIFE PROJECT FOR ENDANGERED SPECIES.](#) David E. Schindel

02:15 PM - 02:30 PM [897. BARCODE OF WILDLIFE PROJECT KENYA DATA STANDARD.](#) Ann Mwaura, Josephine Sarah Kunguni, Daniel Masiga, Beatrice Nangami Khayota, Ruth mwende Mumo

02:30 PM - 02:45 PM [899. ROLE OF BIODIVERSITY INFORMATICS IN COMBATING WILDLIFE CRIME IN KENYA.](#) Henry Kamau Ndithia, Ann Mwaura, Esther Mwangi

02:45 PM - 03:00 PM [902. END OF THE ROAD FOR ILLEGAL BUSHMEAT TRADE IN EAST AFRICA: TRANSBOUNDARY SURVEILLANCE BY HIGH RESOLUTION MELTING ANALYSIS OF VERTEBRATE MOLECULAR BARCODES.](#) Lillian Wambua, Jandouwe Villinger, Moses Yongo Otiende, Maamun Jeneby, Morris Kilewo, David Schindel, Miller Scott

03:00 PM - 03:30 PM [925. OPEN DISCUSSION.](#) David E. Schindel

03:30 PM - 04:00 PM **Monday Afternoon Break & Poster Viewing (Library Lounge)**

C04 - USING BIODIVERSITY INFORMATICS TOOLS FOR MANAGEMENT (OAK ROOM)

04:00 PM - 04:15 PM [860. PROMOTING SNAIL-BORNE DISEASE CONTROL THROUGH BIOINFORMATICS STUDIES IN KENYA.](#) Charles Lange

04:15 PM - 04:30 PM [838. THE HUNT FOR BIODIVERSITY INFORMATION GAPS.](#) Arturo H. Ariño, Javier Otegui

04:30 PM - 04:45 PM [778. APPLICATION OF GEO-INFORMATICS AND REMOTE SENSING TO BIODIVERSITY CONSERVATION AND DENSITY PATTERNS IN SHASHA FOREST RESERVE, NIGERIA.](#) Ige Peter Oluwagbemiga

04:45 PM - 05:00 PM [866. SUSTAINING PRACTICAL BIODIVERSITY INFORMATICS INITIATIVES FOR DECISION SUPPORT IN NATURAL RESOURCES MANAGEMENT SECTOR, RWANDA.](#) Prosper Karame

05:00 PM - 05:15 PM [793. INDEXMED, A CONSORTIUM CHARGED WITH THE TASK OF INDEXING MEDITERRANEAN BIODIVERSITY DATA, A NEW WAY FOR DATAMINING IN ECOLOGY.](#) Romain DAVID, Jean-Pierre Feral

05:15 PM - 05:30 PM [839. EAST AFRICAN COMMUNITY REGIONAL REFERENCE INFORMATION SYSTEM.](#) Selwyn Willoughby, Beryl Nyamgeroh

C02 - BIODIVERSITY INFORMATICS TOOLS FOR SYSTEMATICS (AFRICANA ROOM)

04:00 PM - 04:15 PM [781. AUTOMATING REVISIONARY SYSTEMATIC STUDIES WITH MONOGRAPHIA.](#) Damon P Little

04:15 PM - 04:30 PM [806. A PARTICIPATORY TAXONOMIC NAME CURATION INTERFACE TO RESOLVE AND AGGREGATE SPECIES LISTS FOR INDIA.](#) Thomas Vattakaven

04:30 PM - 04:45 PM [913. A STANDARDIZED REFERENCE DATA SET FOR VERTEBRATE TAXON NAME RESOLUTION.](#) Paula F. Zermoglio, Robert P. Guralnick, John R. Wieczorek

04:45 PM - 05:00 PM [818. A MULTIACCESS IDENTIFICATION KEY WEBSERVICE USING A LEARNING PROCESS.](#) Regine Vignes-Lebbe, Vincent Rolland, René Zaragueta

05:00 PM - 05:15 PM [788. A WIKI BASED PORTAL TO THE BIODIVERSITY KNOWLEDGE GRAPH.](#) Joel Sachs, James Macklin

05:15 PM - 05:30 PM [817. BEXIS 2: A PLATFORM FOR MANAGING HETEROGENEOUS BIODIVERSITY DATA AND PROJECTS.](#) Roman Gerlach, David Blaa, Javad Chamanara, Martin Hohmuth, Nafiseh Navabpour, Sven Thiel, Birgitta König-Ries

W01 - HANDS-ON CYBERINFRASTRUCTURE WORKSHOP - IPLANT COLLABORATIVE - NOT JUST FOR PLANTS! PART 1 (MIKA ROOM)

04:00 PM - 05:30 PM Ramona L. Walls

06:30 PM - 08:30 PM Welcome Reception: Hosted welcome cocktail reception for all conference attendees, Karura Forest Windsor Hotel.

TUESDAY 2015-09-29

08:00 AM - 10:00 AM - Registration: Register on-site or pick up your registration materials for prepaid registrants in the Windsor Lobby. Purchase banquet tickets here.

09:00 AM – 10:30 AM PLENARY SESSION (OAK ROOM)

09:00 AM – 09:15 AM – Announcements

09:15 AM - 09:45 AM [922. BIODIVERSITY INFORMATICS IN MEETING SUSTAINABLE DEVELOPMENT CHALLENGES IN AFRICA.](#) Tanya Abrahamse

09:45 AM - 10:15 AM [923. BIODIVERSITY AND PROTECTED AREAS MANAGEMENT PROGRAMME \(BIOPAMA\).](#) Selwyn Willoughby

10:30 AM - 11:00 AM - Morning Break & Poster Viewing

S02 - FORMAL BIODIVERSITY INFORMATICS TRAINING AS KEY FOR CAPACITY BUILDING: STATE-OF-PLAY, CHALLENGES AND OPPORTUNITIES (OAK ROOM)

11:00 AM - 11:15 AM [815. TEACHING BIODIVERSITY DATA MANAGEMENT TO COMPUTER SCIENCE AND GEOGRAPHY STUDENTS – AN EXPERIENCE REPORT.](#) Roman Gerlach, Birgitta König-Ries, Christiane Schullius, Sören Hese

11:15 AM - 11:30 AM [905. ENGAGING AND TRAINING IDIV RESEARCHERS IN BIODIVERSITY DATA MANAGEMENT.](#) Jitendra Gaikwad, Birgitta König-Ries

11:30 AM - 11:45 AM [916. THE ROLE OF OUTREACH AND NETWORKS IN ADDRESSING CAPACITY NEEDS IN BIODIVERSITY DOCUMENTATION IN EAST AFRICA.](#) Wanja Kinuthia, Victor Wasonga, Jane Muthoni Macharia

11:45 AM - 12:00 PM [891. INTRODUCING DATA TRAINING PROGRAMMES IN LARGE NATURAL HISTORY MUSEUMS TO TACKLE THEIR DIGITAL CHALLENGES.](#) Dimitrios Koureas, Clare Valentine

12:00 PM - 12:15 PM [791. MORE DATA THAN WE KNOW WHAT TO DO WITH? BIODIVERSITY INFORMATICS SKILLS NEEDS IN THE RESEARCH DATA PIPELINE.](#) Deborah Paul, François Michonneau, Katja Seltmann

12:15 PM - 12:30 PM [914. DISCUSSION ON THE CHALLENGES OF BIODIVERSITY INFORMATICS TRAINING.](#) Dimitrios Koureas

W01 - HANDS-ON CYBERINFRASTRUCTURE WORKSHOP - IPLANT COLLABORATIVE - NOT JUST FOR PLANTS! PART 2 (MIKA ROOM)

11:00 AM - 12:30 PM Ramona L. Walls

12:30 PM - 02:00 PM – Lunch

S06 - SEMANTICS FOR SUSTAINING BIODIVERSITY (AFRICANA ROOM)

02:00 PM - 02:15 PM [884. WHAT DO WE REALLY MEASURE, WHEN WE MEASURE CHARACTERISTICS OF ORGANISMS?.](#) Ramona L. Walls, Pier Luigi Buttigieg, Simon Cox, Robert Guralnick, Matt Jones, Werner Kuhn, Mark Schildhauer, Adam Shepherd

02:15 PM - 02:27 PM [883. SEMANTICS AND TOOLS FOR BRIDGING THE GAP BETWEEN SPECIMEN AND SPECIES-BASED TRAIT DATA ASSEMBLY AND USE.](#) Rob Penn Guralnick

02:27 PM - 02:39 PM [890. AN ONTOLOGY-BASED SYSTEM FOR QUERYING LIFE IN A POST-TAXONOMIC AGE.](#) Nico Cellinese, Hilmar Lapp

02:39 PM - 02:53 PM [796. ENVIRONMENTAL SEMANTICS IN SUPPORT OF SUSTAINING BIODIVERSITY.](#) Pier Luigi Buttigieg

02:53 PM - 03:07 PM [831. UNLOCKING KNOWLEDGE IN BIODIVERSITY LEGACY LITERATURE THROUGH AUTOMATIC SEMANTIC METADATA EXTRACTION.](#) Riza Batista-Navarro, William Ulate, Jennifer Hammock, Georgios Kontonatsios, Trish Rose-Sandler, Sophia Ananiadou

03:07 PM - 03:21 PM [783. FORMULATING THE KNOWLEDGE REPRESENTATION REQUIREMENTS TO PERFORM HIGH-LEVEL REASONING OVER FLOWER-VISITING DATA.](#) Willem Coetzer,

Deshendran Moodley, Aurna Gerber

03:21 PM - 03:30 PM [824. MANAGING DATA FROM FIELD TO PUBLICATION: USING A FIELD INFORMATION MANAGEMENT SYSTEM.](#) John Deck

W04 - BIODIVERSITY DATA MOBILIZATION MODELS I (OAK ROOM)

02:00 PM - 02:30 PM [840. CROWDSOURCING BIODIVERSITY DATA MOBILIZATION.](#) Libby Ellwood

02:30 PM - 03:00 PM [784. OPENHERBARIUM: FILLING THE GAPS IN BIODIVERSITY DATA.](#) Mary E Barkworth, Curtis Dyreson, Edward Gilbert

03:00 PM - 03:30 PM [850. DATA CARPENTRY: ONE COMPREHENSIVE MODEL FOR TEACHING BIODIVERSITY INFORMATICS DATA MANAGEMENT, RESEARCH SKILLS, AND TRAINING INSTRUCTORS.](#) Deborah Paul, Tracy K Teal

03:30 PM - 04:00 PM - Afternoon Break & Poster Viewing

W04 - BIODIVERSITY DATA MOBILIZATION MODELS II (OAK ROOM)

04:00 PM - 04:30 PM [881. A SIMPLE MODEL FOR LARGE-SCALE DATA MOBILIZATION ACROSS A DIVERSE ORGANISATION.](#) Nicky Nicolson

04:30 PM - 05:00 PM [911. CAPACITY BUILDING FOR BIODIVERSITY INFORMATICS: THE EXPERIENCE OF THE NATIONAL BIODIVERSITY CENTRE, MINISTRY OF AGRICULTURE AND FORESTS, BHUTAN.](#) Sangay Dema

05:00 PM - 05:15 PM [856. OVERCOMING THE MAIN CHALLENGES TO SUSTAINABLE BIODIVERSITY DATA MOBILIZATION IN BENIN.](#) Jean Cossi
GANGLO

05:15 PM - 05:30 PM [912. DISCUSSION: W04 BIODIVERSITY DATA MOBILIZATION MODELS.](#) Deborah Paul, Libby Ellwood

IG02 - GENOMIC BIODIVERSITY INTEREST GROUP (GBWG)

04:00 PM - 05:30 PM [917. GENOMIC BIODIVERSITY WORKING INTEREST GROUP \(GBWG\) MEETING.](#) John Deck, Ramona Walls
Room: Africana Room

07:00 PM - 10:00 PM **Night at the Museum:** Tour of the Nairobi National Museum.

WEDNESDAY, 2015-09-30

08:00 AM - 10:00 AM - Registration: Register on-site or pick up your registration materials for prepaid registrants in the Windsor Lobby. Purchase banquet tickets here.

09:00 AM - 10:30 AM PLENARY SESSION (OAK ROOM)

09:00 AM - 09:30 AM [924. BUILDING BIODIVERSITY KNOWLEDGE FROM THE GROUND UP!](#) David Western, Lucy Waruingi

09:30 AM – 10:30 AM – Collaboration Incubator – Open discussion of grant funding organizations and opportunities for collaborative biodiversity informatics research in Sub-Saharan Africa and involving Sub-Saharan Africans.

10:30 AM - 11:00 AM Morning Break & Poster Viewing

C05 - DIGITIZATION AND DATA PUBLISHING (OAK ROOM)

11:00 AM - 11:15 AM [807. DIGITIZATION OF FOREST HERBARIUM IBADAN \(FHI\) COLLECTIONS.](#) Peter Edemewe Ugege, Omokafe Alaba Ugbogu

11:15 AM - 11:30 AM [879. COMPUTERIZATION OF THE NATIONAL HERBARIUM AND BOTANIC GARDEN SPECIMEN COLLECTION.](#) Anthony Mapaura

11:30 AM - 11:45 AM [873. CURATING, DIGITIZING, SHARING AND PUBLISHING BIODIVERSITY DATA: NATURAL HISTORY MUSEUM OF ZIMBABWE'S JOURNEY.](#) Kudzai Mafuwe, Dorothy Madamba

11:45 AM - 12:00 PM [792. THE SCOPE OF AFRICAN SPECIES DATA PUBLISHED THROUGH GBIF.](#) Siro Masinde

12:00 PM - 12:15 PM [808. ATLAS OF LIVING AUSTRALIA: A MODULAR DATA PORTAL FRAMEWORK FOR NATIONAL NEEDS.](#) Marie-Elise Lecoq

12:15 PM - 12:30 PM [844. AG DATA COMMONS: ADDING VALUE TO OPEN AGRICULTURAL RESEARCH DATA.](#) Cynthia S Parr

C01 – GENETIC RESOURCE PRESERVATION (AFRICANA ROOM)

11:00 AM - 11:15 AM [821. THE WORLD FLORA ONLINE PROJECT: ACHIEVING TARGET 1 OF THE GLOBAL STRATEGY FOR PLANT CONSERVATION.](#) Chuck Miller

11:15 AM - 11:30 AM [769. BANKING ON PARTNERSHIP: SCIENCE OUTPUT AND ASSURING QUALITY SEED COLLECTIONS, THE MILLENNIUM SEED BANK PARTNERSHIP DATA WAREHOUSE.](#) Tim R Pearce, Elinor Berman

11:30 AM - 11:45 AM [825. AN INFORMATION MANAGEMENT SYSTEM TO ENHANCE CONSERVATION AND USE OF PLANT GENETIC RESOURCES.](#) Joseph Ndungu Kimani, Desterio Ondieki Nyamongo

11:45 AM - 12:00 PM [930. THE GLOBAL GENOME BIODIVERSITY NETWORK: LEVERAGING DNA AND TISSUE COLLECTIONS GLOBALLY.](#) Gabriele Droege, Katharine Barker, Walter G. Berendsohn

12:00 PM - 12:15 PM [846. USING GENE BANK AND HERBARIUM DATABASES TO GUIDE PLANNING OF COLLECTING EXPEDITIONS: A CASE STUDY OF THE TOP FIVE GENERA AT THE GENETIC RESOURCES RESEARCH INSTITUTE, KENYA.](#) Joseph Ireri Kamau, Desterio Ondieki Nyamongo, Patrick Nthusi Muthoka, Paul Muigai Kirika, Joseph Ndungu Kimani

W03 – SCRATCHPADS TRAINING I (MIKA ROOM)

11:00 AM - 12:30 PM [780 \(ABSTRACT\)](#). Simon David Rycroft

12:30 PM - 02:00 PM – Lunch

S01 - BIODIVERSITY INFORMATICS SERVICES AND WORKFLOWS (OAK ROOM)

02:00 PM - 02:15 PM [819. FP-AKKA: EXPERIENCES AND CHALLENGES IN INTEGRATING SCIENTIFIC WORKFLOWS FOR DATA QUALITY CONTROL WITH BIODIVERSITY SERVICES](#). Paul J Morris, Lei Dou, James Hanken, Sven Koehler, David Lowery, Bertram Ludäscher, James A. Macklin, Timothy M. McPhillips, Robert A. Morris, Tianhong Song

02:15 PM - 02:30 PM [842. MEETING REQUIREMENTS – EVOLUTION OF THE EDIT PLATFORM SERVICE INFRASTRUCTURE](#). Andreas Müller, Andreas Kohlbecker, Cherian Mathew, Anton Güntsch

02:30 PM - 02:45 PM [832. BIODIVERSITY CATALOGUE: FIRST CLASS SUPPORT FOR GEOGRAPHIC WEB SERVICES](#). Niall Beard

02:45 PM - 03:00 PM [829. STRINGS TO THINGS: A USER-FRIENDLY FRAMEWORK FOR DATA RECONCILIATION](#). Nicky Nicolson

03:00 PM - 03:15 PM [802. ANNOSYS – A GENERIC ONLINE ANNOTATION SYSTEM FACES NEW CHALLENGES](#). Lutz Suhrbier, Wolf-Henning Kusber, Anton Güntsch, Walter Berendsohn

03:15 PM - 03:30 PM [822. DATA CLEANING WITH THE KURATOR TOOLKIT: BRIDGING THE GAP BETWEEN CONVENTIONAL SCRIPTING AND HIGH-PERFORMANCE WORKFLOW AUTOMATION](#). Timothy McPhillips, David Lowery, James Hanken, Bertram Ludäscher, James A. Macklin, Paul J. Morris, Robert A. Morris, Tianhong Song, John Wieczorek

C06 - CITIZEN SCIENCE (AFRICANA ROOM)

02:00 PM - 02:15 PM [864. TAXAB29: FROM TAXONOMIC DATABASES TO IDENTIFICATIONS IN THE FIELD](#). Kagiso Mangwale

02:15 PM - 02:30 PM [896. THE ARCHITECTURE OF A BIODIVERSITY INFORMATICS PLATFORM.](#) Prabhakar Rajagopal, Balasubramanian Dandapani

02:30 PM - 02:45 PM [795. MAPPING LIFE: QUALITY ASSESSMENT OF NOVICE AND COMPUTER AUTOMATED VS. EXPERT GEOREFERENCES.](#) Libby Ellwood, Henry Bart, Michael Doosey, Dean Jue, Gil Nelson, Nelson Rios, Austin Mast

02:45 PM - 03:00 PM [918. NOTES FROM NATURE: ADVANCING A NEXT GENERATION CITIZEN SCIENCE PLATFORM FOR BIODIVERSITY TRANSCRIPTION.](#) Rob Penn Guralnick, Michael W. Denslow, Austin Mast

03:00 PM - 03:15 PM [775. CITIZEN SCIENCE FOR WEED KNOWLEDGE IN WESTERN INDIAN OCEAN AND SOUTHERN AFRICAN REGION.](#) Balasubramanian Dhandapani, Pierre GRARD, Thomas Le Bourgeois, Ramesh BR, Pascal Marnotte, Azaad Guangoo, Alain Paul Andrianaivo, Jean Augustin Randriamampianina, Yahaya Ibrahim, Sathish M, Karthik Yeruva

W03 – SCRATCHPADS TRAINING II (MIKA ROOM)

02:00 PM - 03:30 PM [780.](#) Simon David Rycroft

03:30 PM - 04:00 PM - Afternoon Break & Poster Viewing

S05 - The Role of Camera traps for Biodiversity Monitoring and Conservation (OAK ROOM)

04:00 PM - 04:15 PM [901. EMAMMAL CITIZEN SCIENCE CAMERA TRAPPING – COLLECTING BIG DATA TO ANSWER WILDLIFE QUESTIONS.](#) Stephanie Grace Schuttler, William McShea, Robert Costello, Tavis Forrester, Megan Baker, Elizabeth Kalies, Arielle Parsons, Zihai He, Joshua Millsbaugh, Tony Han, Roland Kays

04:15 PM - 04:30 PM [906. AN OPEN ACCESS WILDLIFE CONSERVATION SOCIETY CAMERA TRAP DATABASE FOR BIODIVERSITY CONSERVATION.](#) Timothy Gregory O'Brien, Jonathan Palmer, Liling Choo

04:30 PM - 04:45 PM [909. DETERMINING CARNIVORE DISTRIBUTION AND INCENTIVISING COMMUNITY CONSERVATION THROUGH CAMERA-TRAPPING IN TANZANIA'S RUAHA LANDSCAPE.](#) Amy Jane Dickman

04:45 PM - 05:00 PM [920. THE TEAM NETWORK AND WILDLIFE INSIGHTS: PROVIDING NEW TOOLS AND SOLUTIONS TO THE CAMERA TRAPPING COMMUNITY](#). Jorge Ahumada, Eric Fegraus, James MacCarthy, Tavis Forrester, Patrick Jansen, William McShea, Beth Stern, Roland Kays, LiLing Choo, Tim O'Brien, Jonathan Palmer, Olivia Needham

05:00 PM - 05:15 PM [919. APPLICABILITY OF AUDUBON CORE TO CAMERA TRAP DATA](#). Robert A Morris, Robert D. Stevenson

05:15 PM - 05:30 PM – CAMERA TRAPS OPEN DISCUSSION

IG01 - Biodiversity Services & Clients Interest Group (AFRICANA ROOM)

04:00 PM - 05:30 PM [893. BIODIVERSITY SERVICES AND CLIENTS INTEREST GROUP MEETING](#). James Alexander Macklin
Room: Africana Room

W03 – SCRATCHPADS TRAINING III (MIKA ROOM)

04:00 PM - 05:30 PM [780 \(ABSTRACT\)](#). Simon David Rycroft

THURSDAY, 2015-10-01

08:00 AM - 10:00 AM - Registration: Register on-site or pick up your registration materials for prepaid registrants in the Windsor Lobby. May still be able to purchase tickets here for tonight's banquet at the Safari Park Hotel.

C03 - BIODIVERSITY INFORMATICS TOOLS FOR PROTECTED AREAS CONSERVATION (OAK ROOM)

09:00 AM - 09:15 AM [790. IDENTIFICATION OF NEW AREAS FOR BOTANICAL INVENTORY IN KIVU, DEMOCRATIC REPUBLIC OF CONGO](#). Jean Claude Ithe Mwanga Mwanga, Dumbo Wabika, Balola Kashemwa, Franck Theeten, Patricia Mergen, Ntore Salvator, Steven Desein

09:15 AM - 09:30 AM [820. DIGITAL KNOWLEDGE OF KENYAN SUCCULENT FLORA AND PRIORITIES FOR FUTURE INVENTORY AND DOCUMENTATION](#). Emily Wabuye

09:30 AM - 09:45 AM [876. CONTRIBUTION TO THE STUDY OF THE IMPORTANCE OF THE MALAGASY FLORA CONSERVATION BY THE NEW PROTECTED AREAS NETWORK.](#) Tantely Raminosoa

09:45 AM - 10:00 AM [809. USING BIODIVERSITY INFORMATION SYSTEMS AND GEOSPATIAL APPLICATIONS FOR PROTECTED AREAS MANAGEMENT IN BANGLADESH.](#) Md. Rahimullah Miah, Alexander Kiew Sayok, Dr Ahi Sarok, Mohammad Belal Uddin

10:00 AM - 10:15 AM [798. APPLICATION OF REMOTE SENSING AND GIS IN FLOOD AND EROSION CONTROL: CASE OF IBADAN NORTH WEST.](#) Ckukwuka Friday Agbor, John O. Aigbokhan, Idowu S. Adamu

10:15 AM - 10:30 AM [782. FRAGMENTATION AND ISOLATION OF THE ENDANGERED NILE LECHWE \(KOBUS MEGACEROS\) IN WESTERN ETHIOPIA: EVIDENCE FROM AERIAL SURVEYS AND GPS COLLARING DATA.](#) Kasahun Abera Legesse

10:30 AM - 11:00 AM - Morning Break & Poster Viewing

S04 - BHL AFRICA: ASSESSING & BUILDING CAPACITY FOR GLOBAL ACCESS TO BIODIVERSITY LITERATURE (OAK ROOM)

11:00 AM - 11:15 AM [837. 2015 BIODIVERSITY HERITAGE LIBRARY \(BHL\) UPDATE.](#) Martin Kalfatovic

11:15 AM - 11:30 AM [836. AN OVERVIEW OF THE GLOBAL BIODIVERSITY HERITAGE LIBRARY \(BHL\).](#) Constance Rinaldo

11:30 AM - 11:45 AM [833. BHL-AFRICA: SCANNING LOCALLY, COLLABORATING GLOBALLY TO CREATE A GLOBAL BIODIVERSITY HERITAGE LIBRARY.](#) Anne-Lise Fourie

11:45 AM - 12:00 PM [823. BHL WORKSHOPS FOR COLLABORATING ACROSS A GLOBAL CONSORTIUM.](#) Carolyn Sheffield

12:00 PM - 12:15 PM [834. ENGAGING THE CITIZEN SCIENTIST IN CONTENT ENHANCEMENT FOR THE BIODIVERSITY HERITAGE LIBRARY.](#) Trish Rose-Sandler, William Ulate, Max Seidman, Mary Flanagan, Geoffrey Belknap, Victoria Van Hyning, Jim O'Donnell

12:15 PM - 12:30 PM [805. PATTERNS OF PARTICIPATION ON THE INDIA BIODIVERSITY PORTAL](#). Prabhakar Rajagopal, Thomas Vattakaven

12:30 PM - 02:00 PM – Lunch

02:00 – 15:30 – TDWG Business Meeting

3:30 PM - 04:00 PM - Afternoon Break (Poster takedown)

04:00 PM - 05:30 PM Closing Session

05:30 PM - 06:30 PM TDWG Executive Meeting: Wrap-up meeting following the Closing Session.

07:30 PM - 10:30 PM TDWG Conference Banquet: The conference banquet will be held at the Safari Park Hotel. Purchased tickets are required.

POSTERS

[789. Fish Species Diversity in Asejire Lake, Ibadan, Nigeria](#)

Dominic Olaniyi Odulate

[776. Weed knowledge in Western Indian Ocean and Southern African region](#)

Balasubramanian Dhandapani, Pierre GRARD, Thomas Le Bourgeois, Ramesh BR, Pascal Marnotte, Azaad Guango, Alain Paul Andrianaivo, Jean Augustin Randriamampianina, Yahaya Ibrahim, Sathish M, Karthik Yeruva

[863. Access to Information on the Fish Fauna from Lake Albert and its Tributary the River Semuliki \(DR Congo\)](#)

Jargy Kambale Soheranda, Patricia Mergen

[828. Documenting European Agrobiodiversity: EURISCO, the European Search Portal for Plant Genetic Resources](#)

Stephan Weise, Helmut Knüpper

[929. CETAF: Connecting Natural History Collections with Global Biodiversity Research](#)

Jiri Frank, Ana Casino, Michelle Price

841. Assessing the taxonomic and bibliographic coverage of pteridological literature in the Biodiversity Heritage Library

Jacqueline Emily Chapman, Robin Everly

928. Synthesys 3: Synthesis of Systematic Resources

Jiri Frank, Jiri Kvaček

875. Application of Remote sensing and GIS for multi-temporal assessment of forest coverage change detection and carbon sequestration: Case of Nyungwe National Park, Rwanda

Evariste Rutebuka, Shiliang Liu, Lixiao Zhang, Apollinaire William

882. Diversity of Wild Palms (Arecaceae) in the Republic of Benin: Finding the Gaps in the National Inventory by Combining Field and Digitally Accessible Knowledge

Rodrigue Idohou, Arturo Ariño

855. Where, when and why are there elephant poaching hotspots in Kenya?

Edward Opiyo Ouko

857. Modeling of the seasonal variability of phytoplankton settlements in the littoral zone of Togo (West Africa)

Raoufou Pierre Radji

868. Avian diversity and responses of feeding guilds to land use change in a Kenyan coastal forest ecosystem

David O. Chiawo

898. Population genetic diversity of Somali ostrich in Samburu, Kenya as revealed by microsatellite markers.

Mariciano Mutiga Mutiga

894. Assessment of Floristic composition of Forest Undergrowth of International Institute of Tropical Agriculture (IITA) Forest Reserve Ibadan, Nigeria.

A.O. Oladoye

907. Publishing historical primary biodiversity information: The good and the bad

Fhatani Ranwashe

854. Improved plant genetic biodiversity through the organization and promotion of agricultural shows and seed fairs

Aimé Kazika Kamosi

900. Biodiversity Information on Plants from Ghana

Anthony Adu-Gyamfi, Patrick K. Ekpe, Alex Asase

895. Towards Automatic Curation of Biodiversity Data: the BLOOM Project

Mélanie Hachet, Haevermans Thomas, Philippe Grandcolas, Frédéric Legendre, Roseli Pellens, Julien Troudet, Visotheary Ung

835. The DINA System

Markus Skyttner, Kevin Cornell Holston, Ingimar Erlingsson, Karin Karlsson, Gregor Hagedorn, Falko Glöcker, Urmaz Kôljag, Kessy Aberenkov, Nikolaj Scharff, Thomas Stjernegaard Jeppesen, James Macklin, Satpal Bilkhu, David Harris, Elspeth Haston, Fredrik Ronquist

814. The GBIF France New Data Portal

Marie-Elise Lecoq, Fabien Caviere, Sophie Pamerlon, Eric Chenin, Anne-Sophie Archambeau, Régine Vignes-Lebbe

859. Capacity building for sustaining biodiversity in DR Congo

Papy Nsevolo Miankeba

801. AnnoSys – A sustainable Annotation Management System and Repository for Collection Data

Lutz Suhrbier, Wolf-Henning Kusber, Anton Güntsch, Walter Berendsohn

915. Digitization of Kenya's Hawk Moth Collection and Evaluation of the Potential as Indicator Species for Light Pollution

Esther N. Kioko, Peter Njuru, Eliud Muli, Laban Njoroge, Joseph R. Mugambi

871. Digitization of the Zoological Museum Collections at the National Museums of Kenya

Esther Wangui Mwangi, Esther Kioko, Laban Njoroge, Simon Musila, Peter Njoroge, Patrick Malonza, Ogeto Mwebi, Dorothy Nyingi, Geoffrey Mwachala

921. KeyBase, Teaching Old Keys New Tricks

Niels Klazenga

812. iBDP: A Data Portal for Integrative Biodiversity Research Data Management

Jitendra Gaikwad, Martin Hohmuth, Steffen Dobritz, Birgitta König-Ries

813. Effect of anthropogenic activities on the distribution of the endemic chameleons from the Cameroon volcanic line

Walter Paulin Tapondjou Nkonmeneck, LeGrand Nono Gonwouo

870. The Genetic Diversity of Nile Tilapia, *Oreochromis niloticus* (Linnaeus, 1758), of Lake Baringo, Kenya .

Ann Mwaura, Joseph Gathua, Yerima chuhila

869. Database creation for the monitoring of wildlife census in Nazinga Game Ranch (Burkina Faso)

Isidore Ogoudje AMAHOWE

785. Zoo-Botanical Samples of the Garoua Wildlife School: Inventory of their digitization

Samuel Christian Tsakem

862. Challenges and opportunities for data mobilization in transboundary ecosystems of the Albertine Rift

Faustin Gashakamba

926. Whole-Dataset Analyses using Apache Spark

Matthew Collins, Jorrit Poelen, Alexander Thompson

865. Towards a Biodiversity Information Management Centre of Excellence in South Africa

Doug Harebottle, Fatima Parker-Allie, Richard Knight

845. Predicting suitable habitats for the puddle frog *Phrynobatrachus auritus*

Geraud Canis Tasse Taboue

927. Predicting suitable habitats for the puddle frog *Phrynobatrachus auritus*

Geraud Canis Tasse Taboue, Gabriel L. Fiorini, Courtney A. Miller, Nicola M. Anthony, Eric B. Fokam

878. Collaboration Network for the Protection of *Guibourtia tessmannii* in Southern Cameroon

Jacques Anselme Massussi, Lordon C. Djieto

Acknowledgements

Symposium, Workshop, and Interest Group Organizers

S01 - Biodiversity Informatics Services and Workflows

Niall Beard, University of Manchester, United Kingdom
 Anton Güntsch, Freie Universität Berlin Botanic Garden and
 Botanical Museum Berlin-Dahlem, Germany
 James A. Macklin, Agriculture and Agri-Food Canada, Canada
 Paul J. Morris, The Museum of Comparative Zoology, Harvard
 University, USA

S02 - Formal biodiversity informatics training as key for capacity building: state-of-play, challenges and opportunities

Dimitrios Koureas, Natural History Museum London, United
 Kingdom

S03 - The Role of Data Standards in Real-World Applications Using Biodiversity Information

David E. Schindel, National Museum of Natural History
 Smithsonian Institution, USA

S04 - BHL Africa: Assessing and Building Capacity for Global Access to Biodiversity Literature

Anne-Lise Fourie, BHL Africa, South African National Biodiversity
 Institute, South Africa
 Martin Kalfatovic, Smithsonian Institution, USA
 Constance Rinaldo, Ernst Mayr Library, Museum of Comparative
 Zoology, Harvard University, USA
 Carolyn Sheffield, Smithsonian Institution, USA

S05 - The role of camera traps for biodiversity monitoring and conservation: standards and practices for sharing data

Henry L. Bart, Tulane University, USA
 Victor Mose, African Conservation Centre, Nairobi, Kenya

S06 - Semantics for Sustaining Biodiversity

John Deck, University of California at Berkeley, USA

Robert P. Guralnick, University of Colorado at Boulder, USA
 Ramona L. Walls, University of Arizona, USA

S07 - Training and Collaboration for Sustained African Engagement in Biodiversity Informatics

Henry L. Bart, Tulane University, USA
 Lucy Waruingi, African Conservation Centre, Nairobi, Kenya

W01 - Hands-on Cyberinfrastructure Workshop - iPlant Collaborative - Not just for plants!

Ramona L. Walls, University of Arizona, USA

W03 - Scratchpads platform

Simon D. Rycroft, Natural History Museum London, United Kingdom
 Dimitrios Koureas, Natural History Museum London, United Kingdom

W04 - Biodiversity Data Mobilization Models

Libby Ellwood, Florida State University, iDigBio, USA
 Deborah Paul, Florida State University, iDigBio and iDigInfo, USA

IG01 - Biodiversity Services and Clients

James A. Macklin, Agriculture and Agri-Food Canada, Canada

IG02 - Genomic Biodiversity Working Interest Group

John Deck, University of California at Berkeley, USA
 Ramona L. Walls, University of Arizona, USA

TDWG Program Organizers

Program Chair

Henry L. Bart, Tulane University, USA

Program Committee

Gail E. Kampmeier, Illinois Natural History Survey, University of Illinois, USA
 Patricia Mergen, Royal Museum for Central Africa, Belgium
 Francis O. Oguya, National Museums of Kenya, Kenya
 Cyndy Parr, National Agricultural Library, USDA Beltsville, MD, USA

Anders Telenius, Swedish Museum of Natural History, Sweden
 Emily Wabuyele, National Museums of Kenya & Kenyatta
 University, Kenya

Contributed Oral Presentations and Computer Demonstrations

Gail E. Kampmeier, Illinois Natural History Survey, University of
 Illinois, USA

Posters

Emily Wabuyele, National Museums of Kenya & Kenyatta
 University, Kenya

Francis O. Oguya, National Museums of Kenya, Kenya

Gail E. Kampmeier, Illinois Natural History Survey, University of
 Illinois, USA

TDWG Interest Groups

Patricia Mergen, Royal Museum for Central Africa, Belgium

Gail E. Kampmeier, Illinois Natural History Survey, University of
 Illinois, USA

IT Expert at Venue

Kevin J. Love, iDigBio, Florida Museum of Natural History,
 University of Florida, USA

Registration

Stan Blum, California Academy of Sciences, USA

TDWG 2015 Local Organizing Committee (LOC)

LOC Chair

Lucy Waruingi, Executive Director, African Conservation Centre

LOC Members

Geoffrey Mwachala (co-chair LOC), Director Research &
 Collections, National Museums of Kenya

Victor Mose, Amboseli Conservation Program

Lawrence Monda, National Museums of Kenya

Francis Oguya, National Museums of Kenya

Emily Wabuyele, National Museums of Kenya

Juliana Jebet, National Museums of Kenya

Edwardina Ndhine, National Commission for Science and
 Technology

Ben Owour, University of Nairobi, Math Department
 Patricia Karani, Event Coordinator

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 Beltsville, MD, USA

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 Belgium

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 Garoua, Cameroon

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Asia - 2: *Ji Liqiang*, Institute of Zoology, Chinese Academy of
 Sciences, China

Europe - 1: *Dimitris Koureas*, Natural History Museum,
 London, UK

Europe - 2: *Peter Desmet*, Research Institute for Nature and
 Forest (INBO), Brussels, Belgium

Latin America - 1: *Antonio Mauro Saraiva*, University of São
 Paulo, Brazil

Latin America - 2: *Eduardo Dalcin*, Instituto de Pesquisas
 Jardim Botânico do Rio de Janeiro

North America - 1: *Bryan Heidorn*, School of Information
 Resources & Library Science, University of Arizona, USA

North America - 2: *James Macklin*, Agriculture and Agri-Food
 Canada, Ottawa, Ontario, Canada

Oceania - 1: *Aaron Wilton*, Landcare Research, New Zealand

Oceania - 2: *Paul Flemmons*, Australia Museum, Sydney,
 Australia

Co-opted Member: *Tim Robertson*, Global Biodiversity
 Information Facility, Copenhagen, Denmark

Co-opted Member: *Gail Kampmeier*, Illinois Natural History
 Survey, University of Illinois, USA

Co-opted Member: *Stan Blum*, California Academy of
 Sciences, USA