



Fifth International Conference of  
the Pan African Fish and Fisheries Association (PAFFA5)  
African Fish and Fisheries: Diversity, Conservation and Sustainable Management  
Bujumbura, Burundi, 16-20 September 2013

**Scientific Program and Titles of Oral presentations**  
**Programme Scientifique et titre des communications orales**

**Friday 13<sup>th</sup> September**  
**Saturday 14<sup>th</sup> September**  
**Sunday, 15<sup>th</sup> September**  
**Monday, 16 September**

**Welcoming conference participants at Bujumbura international airport**  
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8:15-9:00 am

Registration  
Chairpersons' session meeting  
(Bus leaves hotel at 7:45 am)

9:00-10:30 am

Opening ceremony  
Moderator: Dr. Charles Niyonkuru  
Welcome speech: Prof. Gaspard Ntakimazi  
PAFFA remarks: Dr. Abebe Getahun, PAFFA President  
Opening speech: His Excellency Dr. Joseph Butore, Minister, Higher Education & Scientific Research

10:30-11:00 am

*Coffee break*  
Chairperson: Dr. Philippe Laleye

11:00-11:40 am

Plenary lecture I (African Fish and Fisheries: PARADI to PAFFA, the last 25 years by M.L.J. Stiassny)

11:40 am-12:20 pm

Plenary lecture II (African ichthyology: lessons learned, challenges accepted by Prof. Jos Snoeks & Dr. Emmanuel Vreven)

12:30-1:50 pm

*Lunch*

**2:00-4:00pm Parallel Sessions I**

<b>Theme 1: Fish systematic, biodiversity research and data management</b> <b>Chairperson: M.L.J. Stiassny</b>	<b>Theme 2: Biology, ecology and behavior</b> <b>Chairperson: Olaf Weyl</b>	<b>Theme 3: Aquatic conservation and management</b> <b>Chairperson: Dismas Mbabazi</b>
Time: M1, (Aft)2:00-2:20 <u>J. Arroyave et al.</u> Molecular phylogeny of the Distichodontidae (Ostariophysi: Characiformes) and the timing of citharinoid diversification: Implications for Characiform biogeography.	Time: M1, (Aft)2:00-2:20 <u>T. F. Teixeira et al.</u> Secondary sexual characters of the small alestids <i>Micralestes acutidens</i> (Peters) and <i>Rhabdalestes septentrionalis</i> Boulenger: a comparative anatomy, with comments on these characters in American characids	Time: M1, (Aft)2:00-2:20 <u>J. Kazembe et al.</u> Coastal Resource Management through Enhanced Stewardship: A Nested and Integrated Approach
Time: M2, (Aft) 2:20-2:40 <u>U. Schliewen et al.</u> <i>Steatocranus</i> : towards an integrative view on the systematics and taxonomy of a complex miniature species flock of rheophilic cichlids	Time: M2, (Aft) 2:20-2:40 <u>M. Reichard et al.</u> Evolutionary ecology of annual <i>Nothobranchius</i> fishes: the model taxon for ageing studies	Time: M2, (Aft) 2:20-2:40 <u>Sikoki, F.D. &amp; Ibim A. T</u> Environmental and Nutritional Manipulation for Year- Round Spawning of the African catfish, <i>Clarias gariepinus</i>
Time: M3, (Aft)2:40-3:00 <u>T. Geerinckx et al.</u> Generic and species-level diversity of Auchenoglanidinae (Siluriformes: Claroteidae)	Time: M3, (Aft)2:40-3:00 <u>R. Blazek et al.</u> Extraordinary life history in African annual fishes	Time: M3, (Aft)2:40-3:00 <u>A. Taabu-Munyaho &amp; B. Marshall.</u> Nile perch and the transformation of Lake Victoria: fifty years on
Time: M4, (Aft)3:00-3:20	Time: M4, (Aft)3:00-3:20	Time: M4, (Aft)3:00-3:20
Time: M5, (Aft)3:20-3:40 <u>Mario. C. C. de Pinna &amp; J. Muriel-Cunha</u> ; Phylogeny and adaptation in subterranean catfishes in South America, Africa and Asia: phylogenetic homologies and convergences in <i>Phreatobius</i> , <i>Uegitglanis</i> and <i>Horaglanis</i> (Siluriformes: Phreatobiidae and Clariidae).	Time: M5, (Aft)3:20-3:40 <u>H.A. Lamtane et al.</u> Fish assemblage and resource partitioning in self-stocked ponds in lower Rufiji floodplain, Tanzania;	Time: M5, (Aft)3:20-3:40 <u>J. Walakira et al.</u> Indigenous species paradigm for African aquaculture development: Prospects of African lungfish
Time: M6, (Aft)3:40-4:00 <u>G. Banyankimbona et al.</u> The riverine fishes of Burundi (East Central Africa).	Time: M6, (Aft)3:40-4:00 <u>L.A.J. Nagelkerke et al.</u> Nile perch is an opportunistic feeder with a greater taste for fish than for shrimp	Time: M6, (Aft)3:40-4:00 <u>P. A. Laleye.</u> Impacts of human activities on fish communities in Lake Nokoué and Porto-Novo Lagoon, Benin.
<b>4:00-4:30pm Coffee Break</b>		
<b>4:30-5:30pm Poster session</b>		

**6:00-8:00 pm Official reception Cocktail**

*Bus leaves restaurant at 8:15 pm*

**Tuesday 17<sup>th</sup>, September**

*Bus leaves hotel at 7:45 am*

**8:15-8:30 am Chair persons' session meeting**

**Chairperson: Prof. Jos Snoeks**

**8:30-9:10 am Plenary lecture III (Poissons d'Afrique et peuples de l'eau -l'importance symbolique des poissons dans les sociétés africaines by Dr. Christian Lévêque)**

**9:20-1:00am Parallel sessions II**

**Theme 1: Fish systematic, biodiversity research and data management: Special session FishBase**  
**Chairperson: Jos Snoeks**

**Theme 2: Biology, ecology and behavior**

**Chairperson: Axel Meyer**

**Theme 3: Aquatic conservation and management**

**Chairperson: Francis Sikoki**

Time: Tu1, (Morn)9:20-9:40

G. Boden et al. What to know about FishBase and how to use it.

Time: Tu1, (Morn)9:20-9:40

A. Chikou et al. Comparative study of the effect of the diet ration on the oxygen consumption of juvenile cichlid fish *Oreochromis niloticus*, *Sarotherodon melanotheron* and *Tilapia guineensis* reared in concrete tanks

Time: Tu1, (Morn)9:20-9:40

D. O. Sigana et al. The effects of riparian land use on water quality and fish species composition in the headwater streams of Tana, Athi and Ewaso Ngiro rivers within central Kenya

Time: Tu2, (Mrn)9:40-10:00

D. Geelhand et al. FishBase and Fish Taxonomy training sessions at the Royal Museum for Central Africa

Time: Tu2, (Mrn)9:40-10:00

J.F Liwouwou et al. Lalèyè.Ecologie alimentaire de *Schilbe multitaeniatus* (Pellegrin, 1913) (Siluriforme, Schilbeidae) de la rivière Rembo Bongo au Gabon (Afrique Centrale)

Time: Tu2, (Mrn)9:40-10:00

D. Akonkwa et al. Effects of climate change and fishing practices on fish yield of Lake Kivu.

**10:00-10:30 am Coffee break**

Time: Tu3, (Mrn)10:30-10:1050

T. Musschoot et al. Distribution patterns of catfishes in the Congo River basin.

Time: Tu3, (Mrn)10:30-10:1050

P. Munyandamutsa et al. Local variation in functional morphology of the feeding system of two haplochromines cichlids from Lake Kivu (Rwanda): *Haplochromis kamiranzovu* Snoeks 1984 and *H. insidiae* Snoeks 1994 (Teleostei: Cichlidae).

Time: Tu3, (Mrn)10:30-10:1050

BR Ellender et al. Assessing conservation priorities for endemic species with narrow distributions: the case of two imperilled South African fishes.

Time: Tu4, (Mrn)10:50-11:10 <u>M.C. Danadu et al.</u> Two case studies on <i>Synodontis Cuvier</i> , 1816 (Siluriformes: Mochokidae) from the Congo Basin (DRC)	Time: Tu4, (Mrn)10:50-11:10 <u>M.L.J. Stiassny</u> and V. Mamonekene. Novel nasal anatomy suggests enhanced olfactory acuity in a subfamily of African catfishes: oddly lost in large male <i>Parauchenoglanis cf. balayi</i> ;	Time: Tu4, (Mrn)10:50-11:10 <u>N. A. Jamabo</u> and S.A. Nwafili Threats to the Nigerian coastal ecosystem: Effects of man.
Time: Tu5, (Mrn)11:10-11:30 <u>A.Walanga et al.</u> Towards a reevaluation of <i>Labeobarbus</i> and <i>Varicorhinus</i> (Cypriniformes: Cyprinidae) species diversity of the Epulu River in D.R.Congo	Time: Tu5, (Mrn)11:10-11:30 <u>T. C. Ndiwa et al.</u> Morphological differentiation of <i>Oreochromis niloticus</i> (Linnaeus, 1958) populations found in extreme conditions of temperature and alkalinity in Kenya;	Time: Tu5, (Mrn)11:10-11:30 <u>W.N. Nkalubo et al.</u> Temporal trends in life history traits of Nile perch <i>Lates niloticus</i> in Lake Victoria, Uganda.
Time: Tu6, (Mrn)11:30-11:50 <u>T. Kisekelwa et al.</u> Towards a checklist of the fishes of Kahuzi-Biega National Park and its surroundings, Eastern Congo River basin (DRC).	Time: Tu6, (Mrn)11:30-11:50 <u>D. G. Akele et al.</u> Diet composition and food selectivity of edible oyster <i>Crassostrea gasar</i> in Lake Nokoue, Benin (West Africa);	Time: Tu6, (Mrn)11:30-11:50 <u>Ngodhe O. S et al.</u> Macroinvertebrate Assemblages as Indicators of Water Quality and Ecological Integrity of Laikipia Rivers, Kenya
Time: Tu7, (Mrn)11:50-12:10 <u>K. F. Konan et al.</u> A geographic study of <i>Pollimyrus isidori</i> (Osteoglossiformes, Mormyridae).	Time: Tu7, (Mrn)11:50-12:10 <u>F. Muterezi Bukinga et al.</u> A new genus of Monogenea of the family Ancyrocephalidae, a gill parasite from the endemic <i>Lepidiolamprologus cunningtoni</i> (Teleostei, Cichlidae) of Lake Tanganyika.	Time: Tu7, (Mrn)11:50-12:10 P. Gnohossou et al. Variations spatio-temporelles des macroinvertébrés du lac Nokoué.
Time: Tu8, (Mrn)12:10-12:30 <u>C. S. Nyamweya et al.</u> Morphometric revision of <i>Barbus kerstenii</i> Peters, 1868	Time: Tu8, (Mrn)12:10-12:30 <u>Adeyemo M. Adewole et al.</u> Microbial assessment of selected smoked fishes in Akokoland, Ondo State, Nigeria;	Time: Tu8, (Mrn)12:10-12:30 S. I. <u>Abdulkareem</u> & O. D. Owolabi; Toxicity of sub-lethal concentrations of Monocrotophos (MCP) on the haematological, biochemical and growth responses of hybrid catfish, <i>Heteroclarias</i> and contaminated- <i>Heteroclarias</i> fed rats
Time: Tu9, (Mrn)12:30-12:50 <u>Y. Sanogo et al.</u> Fish Divedrsity of the Bagoé River in Mali.	Time: Tu9, (Mrn)12:30-12:50 F.V. Oluwale & <u>A.A.A. Ugwumba</u> Size-specific dietary habits, trophic level and foraging preference of the reticulate knife fish, <i>Papyrocranus afer</i> , (Gunther, 1868) from a tropical lagoon in south western Nigeria	Time: Tu9, (Mrn)12:30-12:50
<b>1:00 – 2:20 pm Lunch</b>		

**2:20-4:00pm Parallel sessions III**

<b>Theme 1: Fish systematic, biodiversity research and data management : Special session FishBase</b> <b>Chairperson: Jos Snoeks</b>	<b>Theme 2: Biology, ecology and behavior</b> <b>Chairperson: S. Koblmüller</b>	<b>Theme 3: Aquatic conservation and management</b> <b>Chairperson: F. Di Dario</b>
Time: Tu9, (Mrn) 2:20-2:40 <u>B.D. Olaosebikan</u> & T. Musschoot The threatened freshwater fishes of Nigeria	Time: Tu9, (Mrn) 2:20-2:40 M. N. Assogba, N. G. Sakiti ; I. Imorou Toko ; E. J. E. Siko. Impacts des coccidioses digestives sur les performances zootechniques des poissons-chats : cas de <i>Clarias gariepinus</i> Burchell, 1822	Time: Tu9, (Mrn) 2:20-2:40 M. Wayumba et al. The role of beach management units on fish catch in the Nyando river wetland, Lake Victoria Basin.
Time: Tu10, (Aft) 2:40-3:00 A morphological revision of the <i>Brycinus macrolepidotus</i> (Valenciennes, 1850) group (Characiformes: Alestidae) reveals unexpected species diversity; <u>T. Koné</u> & E. Vreven	Time: Tu10, (Aft) 2:40-3:00 <u>A. Meyer et al.</u> Shaping development through mechanical strain: the transcriptional basis of diet-induced phenotypic plasticity in a cichlid fish	Time: Tu10, (Aft) 2:40-3:00 <u>O.L.F. Weyl et al.</u> Assessing ecological impacts and socio-economic benefits of alien fish introductions: a case study of the Amatola trout?.
Time: Tu11, (Aft)3 :00-3 :20 <u>A.R. Bitja Nyom et al.</u> Morphological, genetic and parasitological differentiations between four species of <i>Hemichromis</i> “five spots”: evidence on the existence of the new species from Central Africa	Time: Tu11, (Aft)3 :00-3 :20 <u>T. A. Zengeya et al.</u> Ecological niche modeling of the invasive potential of Nile tilapia <i>Oreochromis niloticus</i> in African river systems: concerns and implications for the conservation of indigenous congeners	Time: Tu11, (Aft)3 :00-3 :20 <u>O.L.F. Weyl et al.</u> Woodford Rehabilitation of a Freshwater Ecosystem Priority River in South Africa using a piscicide to kill alien smallmouth bass.
Time: Tu12, (Aft)3:20-3:40 <u>A. Getahun.</u> Diversity, distribution and conservation status of freshwater fishes of Ethiopia: Revisited.	Time: Tu12, (Aft)3:20-3:40 <u>R.A. Obande et al.</u> Comparative study of helminth parasites of <i>Chrysichthys nigrodigitatus</i> and <i>Bagrus filamentosus</i> from lower River Benué.	Time: Tu12, (Aft)3:20-3:40 <u>G.A. Ssanyu et al.</u> Small scale fishery dynamics along infringed Mpologoma River wetland Uganda;
Time: Tu13, (Aft)3:40-4:00 <u>W. Anteneh et al.</u> Habitat use and downstream migration of 0+ juveniles of the migratory riverine spawning <i>Labeobarbus</i> species (Cypriniformes: Cyprinidae) of Lake Tana (Ethiopia);	Time: Tu13, (Aft)3:40-4:00 <u>Ogwai, C.O et al.</u> The parasite, <i>Henneguya ghaffari</i> (Myxozoa: Myxosporidia), infecting the Nile perch <i>Lates niloticus</i> in Lake Victoria Kenya	Time: Tu13, (Aft)3:40-4:00 <u>D. Adandedjan et al.</u> Ecological quality assessment of the Porto-Novo Lagoon through the biodiversity of macroinvertebrates.
Time: Tu14, (Aft) 4:00-4:20 I. Compaore & <u>A. Toguyeni.</u> Identification and morphological characterization of African catfish ( <i>Clarias sp.</i> ) populations in Burkina Faso	Time: Tu14, (Aft) 4:00-4:20	Time: Tu14, (Aft) 4:00-4:20
<b>4:20-4:50pm Coffee break</b>		
<b>4:50-5:30 pm Poster session</b> Bus leaves the Royal Palace Hotel 6:00 pm		

**Wednesday 18<sup>th</sup>, September**

*Bus leaves hotel at 7:45 am*

**8:15-8:30 am Chair persons' session meeting**

**Chairperson: Dr. Emmanuel Vreven**

**8:30—9:10 am Plenary lecture IV (Lake Tanganyika biodiversity, threats on it, and current conservation strategies by G. Ntakimazi & K. I. Katonda)**

**9:10-10:00am Parallel sessions IV**

**Theme 1: Fish systematic, biodiversity research and data management**

**Chairperson: D. Tweddle**

**Theme 2: Biology, ecology and behavior**

**Chairperson to be tabled**

**Theme 3: Aquatic conservation and management**

**Chairperson: Emmanuel Vreven**

Time: We1, (Aft)9 :10-9 :30

O.M Popoola et al. Genetic Variability in Cultured and Wild Populations of *C. gariepinus* using Random Amplified Polymorphic DNA (RAPD) Marker

Time: We1, (Aft)9 :10-9 :30

Time: We1, (Aft)9 :10-9 :30

Raburu P.O et al. Impact of Agro-Industrial Activities on Water quality and Ichthyofauna in the Lower Reaches of Nyando and Sondu Miriu Rivers, Kenya.

Time: We2, (Aft)9 :30-9 :50

B.A. Levin et al. Multiple origins of *Varicorhinus*-like scraping feeders among the African hexaploid barbans inferred from mtDNA sequences: a search for the second true *Varicorhinus*

Time: We2, (Aft)9 :30-9 :50

Time: We2, (Aft)9 :30-9 :50

G.Banyankimbona et al. Conservation and sustainable use of the riverine fishes of Burundi: challenges and opportunities.

**9:50-10:30 am Group Photo in front of the Royal Palace Hotel and Coffee break**

*10:30 am Bus leaves the Royal Palace Hotel for Nyanza Lac*

**12:30-1:30 Visit of the lake Tanganyika**

**1:30-3:30 pm Lunch at Nyanza Lac (East African Hotel)**

**3:30 pm Return trip to Bujumbura**

**Thursday 19<sup>th</sup>, September**

*Bus leaves hotel at 7:45 am*

**8:15-8:30 am Chair persons' session meeting**

**Chairman person: Mario. C. C. de Pinna**

**8:30-9:10 am Plenary lecture V (Hyperdiverse freshwater ichthyofaunas in Africa and the Neotropics; overview and comparisons by RP Vari)**

**9:10-10:00am Parallel sessions V**

<b>Theme 1: Fish systematic, biodiversity research and data management</b>  <b>Chairperson: <u>J.W. Armbruster</u></b>	<b>Lake Tanganyika special session</b>  <b>Chairpersons: W. Salzburger &amp; C. Sturmbauer</b>	<b>Theme 4: Fish and food security in the 21-st century in Africa</b>  <b>Chairperson: Victor Mamonekene</b>
Time: Th1, (Mrn)9:10-9-30 <u>R.N Onyeabor</u> and O.A Bello-Olusoji. Genetic variability of some Tilapia species from three different reservoirs in Southwestern Nigeria.	Time: Th1, (Mrn)9:10-9-30 <u>M. Van Steenberge</u> , M.P.M. Vanhove, L. Maerten & J. Snoeks Does morphological variation trouble species delineation? A revision of the Lake Tanganyika cichlid <i>Tropheus</i>	Time: Th1, (Mrn)9:10-9-30 <u>M. Nkambo et al.</u> Suitability for cage culture in A case of Northern Lake Victoria, Uganda. Africa's inland water bodies
Time: Th2, (Mrn)9:30-9:50 <u>F. Di Dario et al.</u> The geographic distributions of the paedomorphic freshwater clupeoids <i>Sierrathrissa leonensis</i> (Pellonulinae) and <i>Amazonsprattus scintilla</i> (Engraulinae): different continents, same strategy?	Time: Th2, (Mrn)9:30-9:50 C. Sturmbauer et al. ; Evolution of body shape in sympatric versus non-sympatric <i>Tropheus</i> populations of Lake Tanganyika	Time: Th2, (Mrn)9:30-9:50 <u>T. Niaré &amp; M. Kalossi</u> La rizipisciculture au Mali : Pratiques et perspectives d'avenir de l'innovation piscicole.
<b>10:00-10:30am Coffee break</b>		
Time: Th3, (Mrn)10:30-10:50 <u>R. D. Randrianiaina et al.</u> First DNA Barcoding Assessment of Madagascan freshwater fishes	Time: Th3, (Mrn)10:00-10:20 <u>S. Koblmüller</u> Patterns of hybridization in Lake Tanganyika's cichlid species flock	Time: Th3, (Mrn)10:00-10:20 <u>L.A.J. Nagelkerke et al.</u> Spatial and temporal patterns in Nile perch populations in southern Lake Victoria with possible indications of a recruitment peak.
Time: Th4,(Mrn)10:20-10:40 <u>E.Vreven et al.</u> Extensive intergeneric hybridisation in the large cyprinids from the Inkisi River basin (Lower Congo,	Time: Th4, (Mrn)10:30-10:50 <u>J. Wedekind &amp; U. Schliewen.</u> A first phylogenetic network hypothesis for the Lake Tanganyika cichlid	Time: Th4, (Mrn)10:30-10:50 <u>Sikoki, F.D. &amp; Lelei, K.E.</u> Studies on the toxicity of dispersed PAHs petrogenic origin on <i>Oreochromis</i>

DRC): a unique case or a possible widespread pan-African phenomenon?	species flocks	<i>niloticus</i> (Linnaeus, 1757).
Time: Th5,(Mrn)11:00-11:20 E. Decru et al. Unexpected species richness in the African pike <i>Hepsetus odoe</i> (Bloch, 1794); (Characiformes: Hepsetidae) .	Time: Th5,(Mrn)11:00-11:20 A. Meyer H.-J. Lee, V. Heim. Genetic and environmental effects of the left-right morphological asymmetry in the scale-eating cichlid fish, <i>Perissodus microlepis</i> , from Lake Tanganyika	Time: Th5,(Mrn)11:00-11:20 S. Ahouansou Montcho et al. Determination of the specific inter-selectivity of fishing gears using Kohonen SOM.
Time: Th6,(Mrn)11:20-11-40 S. Wamuini Lunkayikakio et al. Towards a better knowledge of ichthyofauna of the Shiloanggo basin, (Lower Guinea).	Time: Th6,(Mrn)11:20-11-40 A. Meyer. Parsing parallel evolution: ecology and transcriptomics of thick-lips in Midas cichlid fishes from Nicaragua	Time: Th6,(Mrn)11:20-11-40 O. Hamerlynck et al. Fisheries of the Lower Rufiji floodplain lakes, Tanzania: the influence of connectivity on catch composition and the potential impacts of Stiegler's Gorge dam.
Time: Th7,(Mrn)11:40-12:00 A. Ibala Zamba et al. <i>Xenocharax crassus</i> Pellegrin, 1900 (Characiformes: Distichodontidae) from the Congo River basin, central Africa: in need of revalidation	Time: Th7,(Mrn)11:40-12:00 I. Přikrylová et al. Diverse world of African gyrodactylid parasites (Monogenea: Gyrodactylidae) under molecular and morphological magnifying glass	Time: Th7,(Mrn)11:40-12:00 L.A.J. Nagelkerke et al. Lake Kariba revisited: an update on fish community developments from 1960 to 2012
Time: Th8,(Mrn)12:00-12:20 G. Kosgei et al. Molecular phylogenetic and phylogeographic evidence of unrecognized diversity within nominal species of <i>Labeobarbus</i> from Indian Ocean drainages and Endorheic Rivers of the Great Rift Valley of Kenya.	Time: Th8,(Mrn)12:00-12:20 C. Sturmbauer. The Great Lakes in East Africa – a novel biological conservation strategy for species flocks.	Time: Th8,(Mrn)12:00-12:20 Owori-Wadunde et al. Promotion of consumer acceptance and marketability of catfish to enhance the productivity and profitability of aquaculture in Uganda.
Time: Th9,(Mrn)12:20-12-40	Time: Th9,(Mrn)12:20-12-40 The adaptive radiation of cichlid fishes in Lake Tanganyika; W. Salzburger	Time: Th9,(Mrn)12:20-12-40 D. Mbabazi et al. Dynamics of fish stocks and fisheries in Lake Nabugabo, East Africa.
Time: Th10,(Mrn)12:40-1-00	Time: Th10,(Mrn)12:40-1-00 M.P.M. Vanhove et al. Parasite speciation as an overlooked cause of species richness in ancient lakes: the case of monogenean cichlid parasites of Lake Tanganyika	Time: Th10,(Mrn)12:40-1-00 C. S. Nyamweya et al. Modeling and forward projections of Nile perch, <i>Lates niloticus</i> , stock in Lake Victoria using gadget framework.
<b>1:00 – 2:20 pm Lunch</b>		



**2:20-4:00 Parallel sessions VI**

<b>Theme 1: Fish systematic, biodiversity research and data management</b>  <b>Chairperson: Dr. J.P. Sullivan</b>	<b>Theme 2: Biology, ecology and behavior</b>  <b>Chairperson to be tabled</b>	<b>Theme 4: Fish and food security in the 21-st century in Africa</b>  <b>Chairperson: Dr. L.A.J. Nagelkerke</b>
Time: Th10,(Aft)2:20-2:40 <u>J.W. Armbruster</u> , M.M. Hayes, C.C. Stout. Convergence of Species of “ <i>Barbus</i> ” in Cameroon	Time: Th10,(Aft)2:20-2:40	Time: Th10,(Aft)2:20-2:40 <u>P C Chifamba</u> . Light attraction optimum in the sardine fishery from Lake Kariba
Time: Th11,(Aft) 2:40-300 <u>O. Otero &amp; A. Pinton</u> . The rise of the modern freshwater fish fauna of Africa.	Time: Th11,(Aft) 2:40-300	Time: Th11,(Aft) 2:40-300 <u>Aloo.P.A et al.</u> Studies on Value Added Products from <i>Rastrineobola argentea</i> (Omena) for Food Security and Improved Livelihoods among Women Processors in Homabay County, Kenya.
Time: Th12,(Aft) 3:00-3:20 <u>M.O. Popoola &amp; J.I. Awopetu</u> . A Preliminary Phylogenetic Studies of Populations of <i>Tilapia zillii</i> Gervais, <i>Oreochromis niloticus</i> Linn. and <i>Sarotherodon galilaeus</i> Linn. in Three Selected Reservoirs in Osun State, Nigeria;	Time: Th12,(Aft) 3:00-3:20	Time: Th12,(Aft)3:00-3:20 <u>E. F Adebayo</u> and S.O Anyanwu. Trends in aquaculture production in Nigeria: implications for food security.
Time: Th13,(Aft)3:20,3:40	Time: Th12,(Aft) 3:00-3:20	Time: Th13,(Aft)3:20-3:40
<b>4:00-4:30pm Coffee Break</b>		
<b>4:30-5:30 pm Poster session</b>		
<p><i>Bus leaves the Royal Palace Hotel at 6:00 pm</i>  <i>Bus leaves the hotel for the Banquet place at 7:00 pm</i>  <b>7:30-10:00pm Conference Banquet</b>  <i>Bus leaves banquet place at 10:15 pm</i></p>		

**Friday 20<sup>th</sup>, September**

**8:45-9:15 am Chair persons' session meeting**

*Bus leaves hotel at 8:30 am*

**Chairperson: R. Vari**

**9:20-10:00 am Plenary lecture VI (The role of multi-disciplinary aquatic research in enhancing conservation and co-management of aquatic ecosystems in East Africa by Wanja et al.)**

**10:00-1:00 am Parallel sessions VII**

<b>Theme 1: Fish systematic, biodiversity research and data management</b> <b>Chairperson: Abebe Getahun</b>	<b>Theme 2: Biology, ecology and behavior</b> <b>Chairperson: to be tabled</b>	<b>Theme 4: Fish and food security in the 21-st century in Africa</b> <b>Chairperson: M. Vanhove</b>
Time: Fr1,(Mrn)10:00-10:20 <u>RC Schmidt</u> and <u>HL Bart Jr.</u> Diversity and phylogeography of African suckermouth catfishes ( <i>Chiloglanis</i> : Mochokidae) from Guinea, West Africa. .		Time: Fr1,(Mrn)10:00-10:20 <u>S. M. Fagnon et al.</u> Activity rhythms in piscicultural pond of <i>Heterobranchus longifilis</i> Valenciennes, 1840;
Time: Fr2,(Mrn)10:20:00-10:40 <u>N. Rios &amp; H.L. Bart</u> Georeferencing Fish Collections: a Community-Based Model to Georeferencing Natural History Collections		Time: Fr2,(Mrn)10:20:00-10:40 <u>D. Tweddle &amp; C.J. Hay.</u> Networking for Co-Management of Zambezi-Okavango Fisheries
<b>10:40-11:30pm Coffee Break</b>		
Time: Fr3,(Mrn)11:30-11:50 <u>M. V. Loeb et al.</u> Some osteological features of the anchovies <i>Encrasicholina heteroloba</i> and <i>Anchoviella lepidentostole</i> (Engraulidae) in relation to <i>Denticeps clupeoides</i> , the most basal clupeiform and sole Recent member of the Denticipitoidei		Time: Fr3,(Mrn)11:30-11:50 <u>Elagba H. A. Mohamed &amp; Jamal N. AL-Sabahi</u> The nutrient content of traditionnal sun-dried Nile Fish in Sudan
Time: Fr4,(Mrn)11:50-12:10 <u>J. Zuanon et al.</u> Revisiting Roberts (1972): an updated view of the fish fauna of the Congo and Amazon rivers, with a discussion of the Madeira River ichthyofauna		Time: Fr4,(Mrn)11:50-12:10 <u>CF Huchzermeyer et al.</u> Fish and Fisheries of Bangweulu Wetlands, Zambia
Time: Fr5,(Mrn)12:10-12:30 <u>Henry L. Bart Jr et al.</u> Molecular phylogenetic evidence of unrecognized diversity within <i>Barbus kerstenii</i> and a broad zone of introgression with <i>Barbus neumayeri</i> in Kenya.		Time: Fr5,(Mrn)12:10-12:30 <u>ALR Piers.</u> Aquaculture in Central Africa. Progress, Potential, Pitfalls and Problems with special reference to man-made Hydropower lakes

Time: Fr6,(Mrn)12:30-12:50

Time: Fr6,(Mrn)11:30-11:50

**1:00 – 2:20 pm Lunch**

**2:30-4:00 pm**

**Chairpersons: Jos Snoeks, Christian Leveque, Richard Vari, Mario. C. C. de Pinna & Melanie Stiassny**

**Summary of the conference**

**Announcement of student prices**

**Closing remark by the Rector of the University of Burundi (to be confirmed)**

**4:00-4:30 pm**

**Coffee break**

**4:30**

*Bus leaves the Royal Palace Hotel 4:30 pm*