

PRELIMINARY PROGRAMME

SUNDAY - 28 JUNE 2015	
9:00	CONFERENCE OPENING
VENUE A	
9:00 - 9:15	Yellowfish Working Group - Welcome and introduction
9:15-10:45	Yellowfish Working Group Session 1
10:45-11:00	TEA TIME
11:00 - 13:00	Yellowfish Working Group Session 2
13:00-14:00	LUNCH TIME
14:00 - 15:40	Yellowfish Working Group Session 3
15:40-16:00	TEA TIME
16:00-17:00	Yellowfish Working Group Session 4
14:00	REGISTRATION OPENS
EVENING EVENT	
18:30 - 21:00	WELCOME AND DINNER IN RESTAURANT



*Southern
African Society
of Aquatic
Scientists*

MONDAY - 29 JUNE 2015			
REGISTRATION OPENS			
HOUSE KEEPING			
VENUE A			
8:45 - 9:30	Paul van den Brink	DIAGNOSIS OF FIELD IMPACTS OF CHEMICALS FROM MONITORING AND EXPERIMENTAL DATA.	
9:30 - 10:00	Mathew McCartney	INCORPORATING NATURAL INFRASTRUCTURE INTO WATER PLANNING AND MANAGEMENT	
10:00 - 10:30	Chris Dickens	APPLICATION OF SUSTAINABLE DEVELOPMENT GOALS (SDGS) IN SOUTHERN AFRICA	
TEA TIME			
VENUE A (Chair: C Dickens)			
11:00 - 11:15	ES Riddell	A 2015 PERSPECTIVE ON THE RIVER MANAGEMENT MILIEU OF THE CATCHMENTS DRAINING THE KRUGER NATIONAL PARK	Special Session 1: Resource Directed Measures for Water Resource Protection: successes and failures
11:15 - 11:30	JB Adams	ASSESSMENT OF COMPLETED ECOLOGICAL RESERVE STUDIES FOR SOUTH AFRICAN ESTUARIES	
11:30 - 11:45	AD de Villiers	UNDERSTANDING THE LATEST PRESENT ECOLOGICAL STATE, ECOLOGICAL IMPORTANCE AND ECOLOGICAL SENSITIVITY ASSESSMENTS AND WHAT IT MEANS FOR THE PUBLIC AND PRIVATE SECTOR	
VENUE B (Chair C Pringle/J. Dini)			
K Magudu		THE ROLE OF NATURALLY FUNCTIONING ECOSYSTEMS IN IMPROVING INSTREAM WATER QUALITY IN URBAN AREAS	Special Session 2: Ecological Infrastructure: ecosystems, services and people
C Pringle	PRIORITISING ECOLOGICAL INFRASTRUCTURE TO MAINTAIN LIVELIHOODS AND WATER SECURITY IN LESOTHO		
MV Tshifhango	UTILIZING SOIL ORGANIC CARBON DYNAMICS AND QUALITY MEASUREMENTS TO DERIVE BEST LAND MANAGEMENT PRACTICE: A CASE STUDY OF THE CATHEDRAL PEAK CATENA		
VENUE C (Chair: TBA)			
RC Hart		FOOD WEB RESTRUCTURING TO MANAGE EUTROPHIC SA RESERVOIR ECOSYSTEMS: A SYNTHETIC APPRAISAL	Special Session 3: Reservoir monitoring, management and use.
S Hatton	PHYSICAL AND BIOLOGICAL CHANGES DURING THE FILLING OF A TEMPERATE UPLAND RESERVOIR FOLLOWING ENLARGEMENT		
L Hill	THE IMPACT OF TEMPORARY DESICCATION ON THE MOBILITY OF NUTRIENTS AND METALS FROM THE SEDIMENTS OF LOSKOP RESERVOIR, OLIFANTS RIVER.		

Special Session 1: Resource Directed Measures for Water Resource Protection: successes and failures	11:45 - 12:00	GC Snow	FRESHWATER RESERVE DETERMINATION OF SELECTED ESTUARIES WITHIN THE GOURITZ WATER MANAGEMENT AREA: MICROALGAE	Special Session 2: Ecological Infrastructure: ecosystems, services and people	V Ross-Gillespie	FACILITATING DEVELOPMENT AND RETAINING ECOLOGICAL INFRASTRUCTURE: A CASE STUDY EXPLORING IMPACTS OF WASTE WATER TREATMENT WORKS (WWTW) ON WATER RESOURCES AND THE PRACTICAL APPLICATION OF THRESHOLDS OF POTENTIAL CONCERN (TPC)	Special Session 3: Reservoir monitoring, management and use.	P Venter	OPERATIONAL AND ENVIRONMENTAL CHALLENGES TO SUSTAIN THE ONGOING IMPROVEMENT IN AQUATIC DIVERSITY THROUGH THE HARTBESPOORT DAM INTEGRATED BIOLOGICAL REMEDIATION PROGRAMME (HDRP) (2009 TO 2015): A SUCCESSFUL TESTCASE FOR APPLYING BIOLOGICAL PRINCIPALS TO SUPPORT AQUATIC ECOSYSTEMS IN A HYPER-TROPIC SUB-TROPICAL EMPOUNDMENT
Special Session 1: Resource Directed Measures for Water Resource Protection: successes and failures	12:00 - 13:00	Discussion: Resource Directed Measures for Water Resource Protection: successes and failures (Chair: Chris Dickens)				G de Winnaar		REHABILITATION FOR IMPROVED WATER SERVICE DELIVERY: HYDROLOGICAL MODELLING OF ECOLOGICAL INFRASTRUCTURE IN THE UMNENI CATCHMENT, SOUTH AFRICA	
LUNCH TIME									

VENUE A (Chair: TBA)		VENUE B (Chair: B Madikizela)		VENUE C (Chair: TBA)	
14:40 - 14:20	P Sourav	EFFECTS OF EPISODIC CLIMATIC SHIFTS ON ECOSYSTEM EQUILIBRIUM OF LAKE ST. LUCIA, ISIMANGALISO WETLAND PARK (A UNESCO WORLD HERITAGE)	S O'Donoghue/ J.Dini	DIALOGUE INTO: SECURING WATER QUANTITY AND QUALITY THROUGH HEALTHY AND RESILIENT ECOLOGICAL INFRASTRUCTURE TOWARDS GREEN ECONOMY	CONSERVATION OF HEADWATER SPECIES AND HABITATS IN THE AMATHOLE MOUNTAINS: OPPORTUNITIES AND CHALLENGES.
14:20 - 14:40	FT Buschke	USING STAGE-CLASS MATRIX POPULATION MODELS OF THE FAIRY SHRIMP BRANCHIPODOPHIS WOLF TO QUANTIFY THE SENSITIVITY OF LIFE-HISTORY PARAMETERS TO FORECASTED CLIMATE CHANGE.	D Hay/P Gola	ORIGIN, STATUS AND FUTURE OF THE ECOLOGICAL INFRASTRUCTURE PROGRAMME IN UMNGENI	THE ENVIRONMENTAL VARIABLES THAT DRIVE MACRO-BENTHIC INVERTEBRATE COMMUNITIES OF THE RIVER DOMINATED ESTUARIES IN KWAZULU-NATAL.
14:40 - 15:00	SP Mbense	THE RESILIENCE OF MANGROVE ECOSYSTEMS TO DISTURBANCES IN THE SUBTROPICAL AND TEMPERATE REGIONS	H Ndlovu	AN ASSESSMENT OF THE ECOLOGICAL CONDITION OF THE LIONS RIVER WETLAND, SOUTH AFRICA	FIRST OBSERVATION OF AFRICAN TIGERFISH HYDROCYNUS VITTATUS PREDATING ON BARN SWALLOWS HIRUNDO RUSTICA IN FLIGHT
15:00 - 15:20	J Dabrowski	THE IMPACT OF TEMPORARY DESICCATION ON THE MOBILITY OF NUTRIENTS AND METALS FROM THE SEDIMENTS OF LOSKOP RESERVOIR, OLIFANTS RIVER.	S Naidoo	CLASSIFICATION OF THE UMNGENI WATER RESOURCES, RESERVE DETERMINATION AND RQO'S SETTING PROCESS, INCLUDING UPDATE ON CMA ESTABLISHMENT	COMPARISON OF THERMAL TOLERANCE OF THE TRUNCATED MANGROVE SNAIL, CERITHIDEA DECOLLATA ALONG A SUBTROPICAL TO A WARM TEMPERATE GRADIENT ON THE EAST COAST OF SOUTH AFRICA
Traditional Session 1: Climate variability and ecosystem resilience		WRC Dialogue: Securing water through healthy and resilient EI towards green economy		Traditional Session 3: Conservation of freshwater and estuarine species	

DDD PRESENTATIONS			
VENUE A (Chair: TBA)		VENUE B (Chair: TBA)	
15:20-15:25	KD Bal	DETERMINING THE FISHERY POTENTIAL OF LAKE FLAG BOSHELLO.	WRC Dialogue duration
15:25-15:30	NC Armstrong	INNOVATIONS IN INVASIVE PLANT MANAGEMENT THROUGH COMMUNITY ENGAGEMENT TO EFFECTIVELY CONTROL BLACK WATTLE IN THE TYUME RIVER VALLEY, AMATHOLE CATCHMENT, EASTERN CAPE	S Ngubane
15:30-15:35	J Beukes	FISH HEALTH ASSESSMENT OF SELECTED FISH SPECIES OF BARBERSPAN RAMSAR SITE, SOUTH AFRICA	K Schachtschneider
15:35-15:40	E Bester	DIVERSITY OF AQUATIC INVERTEBRATES IN THE BARBERSPAN RAMSAR SITE AND ASSOCIATED LEEUPAN	M Dent
15:40-15:55	DDD Discussion		S Liphadzi
DDD Session 1		WRC Dialogue: Securing water through healthy and resilient EI towards green economy	
DDD Session 3		DDD Discussion	
VENUE C (Chair: TBA)			
15:55-16:15		LIFTING MONTREUX: REHABILITATION FEASIBILITY OF THE ORANGE RIVER ESTUARY RAMSAR SITE	G Smith
16:15-17:30		GUIDELINES FOR THE DEVELOPMENT AND IMPLEMENTATION OF ESTUARINE MANAGEMENT PLANS	D Kotsedi
17:30-18:15		INSIGHT ON THE EXPLOITATION OF THE MUD PRAWN, UPOGEBIA AFRICANA AS BAIT ORGANISM IN MNGAZANA ESTUARY (EASTERN CAPE)	A Boja
18:30-21:00		GUIDELINES FOR THE DEVELOPMENT AND IMPLEMENTATION OF ESTUARINE MANAGEMENT PLANS	ID Kotsed
		RELATIONSHIP BETWEEN BIOAVAILABLE AND TOTAL METAL EXPOSURE IN DURBAN AND RICHARDS BAY HARBOURS.	A Kock
			DDD Discussion
TEA TIME			
VENUE A			
Pannel Discussion 1			
16:15 - 17:30	Chair: Chris Dickens	THE ECOLOGICAL RESERVE OF THE DEPARTMENT OF WATER AND SANITATION: QUO VADIS	
EVENING EVENTS			
17:30 - 18:15	STUDENT ACTIVITY		
18:30 - 21:00	DINNER		

TUESDAY - 30 JUNE 2015			
REGISTRATION OPENS			
HOUSE KEEPING			
VENUE A			
8:45 - 9:30	Alan Whitfield		
9:30 - 10:00	Susan Taljaard		
10:00 - 10:30	Rainier Dennis		
TEA TIME			
10:00-11:00			
VENUE A (Chair: J Adams)			
11:00 - 11:15	L Van Niekerk	PHYSICAL CHARACTERISTICS OF THE ESTUARIES OF SOUTH AFRICA	
11:15 - 11:30	G Cilliers	MONITORING AND EVALUATION OF THE THRESHOLDS OF PROBABLY CONCERN FOR THE BERG RIVER ESTUARY	
11:30 - 11:45	N Jafra	COMPARING THE WATER COLUMN DYNAMICS OF PROTECTED ESTUARIES IN KWAZULU NATAL; BASED ON MONITORING CONDUCTED BY EZEMVELO AS PART OF THE NATIONAL ESTUARIES MONITORING PROGRAMME.	
11:45 - 12:00	Q Schutte	EFFECT OF MOUTH CLOSURE AND HYPERSALINITY ON THE FISH COMMUNITY OF THE ST LUCIA ESTUARINE SYSTEM (SOUTH AFRICA) AFTER CYCLONE GAMEDE.	
Special Session 4: Estuary management: policies, procedures and people			
VENUE B (Chair: G O'Brien)		Special Session 5: Ecological risk assessments: multiple stressors and objectives in dynamic aquatic ecosystems	
Victor Wepener	ECOLOGICAL RISK ASSESSMENTS IN SOUTH AFRICA: LESSONS LEARNT		
KD Bal	ASSESSMENT OF LAND-USE IMPACTS ON THE HEADWATERS OF THE PANGANI RIVER, TANZANIA: OVERVIEW OF THE PROJECT AND WATER QUALITY.		
I Govender	ECOLOGICAL RISK ASSESSMENT TO EVALUATE THE SOCIO-ECOLOGICAL CONSEQUENCES OF WATER RESOURCE USE OPTIONS IN THE UMNGENI CATCHMENT, KWAZULU-NATAL		
JN Namugize	EFFECTS OF LAND USE AND LAND COVER CHANGES ON WATER QUALITY IN THE UMNGENI RIVER CATCHMENT, SOUTH AFRICA		
VENUE C (Chair: R Dennis)		Special Session 6: Surface water and groundwater interactions, the new frontier	
M Petersen	A CONCEPTUAL UNDERSTANDING OF GROUND-WATER RECHARGE AND SURFACE-WATER/ GROUND-WATER INTERACTIONS IN THE KRUGER NATIONAL PARK		
G Bate	THE INFLUENCE OF A RURAL COMMUNITY ON THE QUALITY OF THE GROUND, LAKE AND ESTUARY WATER IN NORTHERN KWAZULU NATAL		
NK Ellis	AQUATIC ECO-SYSTEM HABITAT SHIFT ASSESSMENT IN SEMI-ARID, GROUND-WATER-FED STREAMS: AN INVESTIGATION INTO THE RESPONSE OF KAROO HYDROECOLOGY TO SYSTEM VARIABILITY		
R Taylor	A CONCEPTUAL UNDERSTANDING OF THE TRAJECTORIES OF CHANGE IN THE COASTAL LAKES AND PEAT SWAMPS OF THE MGOBEZ-ELENI CATCHMENT, SODWANA.		
VENUE A		IMPEDIMENTS AND IMPERATIVES AROUND FISH CONSERVATION IN SOUTH AFRICAN ESTUARIES	
VENUE B		PROGRESS IN INTEGRATED ESTUARY MANAGEMENT PLANNING IN SOUTH AFRICA	
VENUE C		DETERMINATION OF GROUNDWATER CONTRIBUTION TO BASEFLOW - THE CHALLENGE	

12:00 - 12:15	12:00 - 12:15	Lucienne Human	EXTENT AND IMPACT OF A MACROALGAL BLOOM IN SOUTH AFRICA'S MOST IMPORTANT ESTUARY	Special Session 5: Ecological risk assessments: multiple stressors and objectives in dynamic aquatic ecosystems	SL Liefferink	WATER USE OF THE WONDERFONTEINSPRUIT, PAST, PRESENT AND FUTURE CHALLENGES: THE CASE OF BEKKERSDAL, GAUTENG, SOUTH AFRICA.	Special Session 6: Surface water and groundwater interactions, the new frontier	PT Gama	LIFE IN THE WATER COLUMN OF OTHERWISE DRY WETLANDS: PHYTOPLANKTON ASSEMBLAGES OF TEMPORARY WETLANDS IN NELSON MANDELA BAY	
12:15 - 13:00	12:15 - 13:00		Discussion: Estuary management: policies, procedures and people		Discussion: Ecological Risk Assessments in Water Resource Management in SA (Chair: Gordon O'Brien)			Discussion : Surface water and groundwater interactions, the new frontier (Chair: Rainier Dennis)		
LUNCH TIME										
13:00-14:00	13:00-14:00	VENUE A (Chair: G Bate)								
14:00 - 14:20	14:00 - 14:20	LS Naidoo	DENTIFICATION AND DELINEATION OF EASTERN CAPE MICRO-ESTUARIES USING MACROPHYTES	Traditional Session 4: Estuary management: policies, procedures and people	BR Eady	ECOLOGICAL MODELLING USING THE INTEGRATION OF AGENT-BASED MODELLING WITH ECO LAB	VENUE C (Chair: TBA)			
14:20 - 14:40	14:20 - 14:40	DA Lemley	ESTUARINE MACROPHYTES - AN IMPORTANT REFUGE FOR MICROALGAL COMMUNITIES?		W Pheiffer	AN ASSESSMENT OF FISH HEALTH FROM THE KLIP RIVER IN THE GREATER SOWETO/LENASIA AREA.	WD Evans	THE WELLBEING OF FISH COMMUNITIES IN KWA-ZULU-NATAL RIVERS FOR THE RIVER HEALTH PROGRAMME, 2015.		
14:40 - 15:00	14:40 - 15:00	Q Schutte	EFFECT OF MOUTH CLOSURE AND HYPERSALINITY ON THE FISH COMMUNITY OF THE ST LUCIA ESTUARINE SYSTEM (SOUTH AFRICA) AFTER CYCLONE GAMEDE.		NJ Wolmarans	ORGANOCHLORINE PESTICIDE EXPOSURE IN AMPHIBIANS FROM THE LOWER PHONGOLO RIVER FLOODPLAIN, SOUTH AFRICA	PK Mensah	USE OF THE INDIGENOUS FRESHWATER SHRIMP CARDINA NILOTICA AS A STANDARD TEST ORGANISM FOR ECOTOXICOLOGICAL STUDIES IN SOUTH AFRICA		
15:00 - 15:20	15:00 - 15:20	SN Majola	SPATIAL TRENDS OF PHYSICO-CHEMICAL CHARACTERISTICS AND CHLOROPHYLL A IN THE ST LUCIA ESTUARY, SOUTH AFRICA	Traditional Session 5: Ecological risk assessments: multiple stressors and objectives in dynamic aquatic ecosystems	L de Necker	MACROINVERTEBRATE BIODIVERSITY OF THE PHONGOLO FLOODPLAIN	Traditional Session 9: RHP and the new NEMP			
								PP Ramollo	INVESTIGATION OF WATERFOWLS DEATH AT KAMPERSDAM, NORTHERN CAPE PROVINCE	
								L M Khuzwayo	ASSESSING THE SENSITIVITY OF MACROINVERTEBRATES IN SOUTH AFRICAN STREAMS TO ACID DEPOSITION	

DDD PRESENTATIONS			VENUE B (Chair: TBA)		VENUE C (Chair: TBA)	
VENUE A (Chair: TBA)			Traditional Session 5.2: Ecological risk assessments: multiple stressors and objectives in dynamic aquatic ecosystems		Traditional Session 6.2: People and science: Involvement and benefit sharing	
15:20-15:25	LN Mnisi	DEVELOPMENT OF AN AQUATIC TOXICITY INDEX FOR MACROINVERTEBRATES	G Jansen van Rensburg	BIOMARKER RESPONSES IN TWO CRUSTACEAN SPECIES FROM THE LOWER PHONGOLA RIVER FLOODPLAIN	T Loqo	A COMPARISON OF INTER-TIDAL INVERTEBRATE POPULATION STRUCTURES IN ROCK POOLS OF EXPLOITED AND UNEXPLOITED SHORES
15:25-15:30	MJ Silberbauer	APPLICATIONS USING REMOTE SENSING FOR WATER QUALITY MAPPING IN SOUTH AFRICA	G O'Brien	DEALING WITH UNCERTAINTY IN REGIONAL SCALE ECOLOGICAL RISK ASSESSMENTS: LESSONS FROM THE PHONGOLO FLOODPLAIN CASE STUDY.		
15:30-15:35	TR Mavubengwana	BIOASSESSMENT OF WATER QUALITY USING AQUATIC MACROINVERTEBRATES IN THE UPPER REACHES OF THE KIESKAMMA RIVER, EASTERN CAPE				
15:35-15:40	CM Edwards	BIOACCUMULATION OF ORGANOCHEMICAL PESTICIDES AND BIOMARKER RESPONSES IN HYDROCYNUS VITTATUS AND SYNODONOTIS ZAMBEZENSIS FROM THE LOWER PONGOLA RIVER AND FLOODPLAIN, KWAZULU-NATAL, SOUTH AFRICA.				
15:40-15:45	PE Ndimele	THE PHYSICO-CHEMISTRY AND HEAVY METAL CONCENTRATION OF TISSUE AND GILL OF FISH (OREOCHROMIS NILOTICUS, LINNAEUS, 1758) FROM WATER BODY RECEIVING INDUSTRIAL EFFLUENT IN LAGOS, NIGERIA				
15:45-15:50	DDD Discussion					
15:50 - 16:10			TEA TIME			
DDD Session 4						

VENUE A		SOUTHERN AFRICAN AQUATIC SCIENTISTS, THEIR RESEARCH AND HOW THIS RESEARCH CONTRIBUTES TO WATER RESOURCE SUSTAINABILITY, POLICY AND PEOPLE.	
Panel Discussion 2	16:15 - 17:30	Chair: Mark Graham	
EVENING EVENTS			
	17:30 - 18:15	STUDENT ACTIVITY	
	18:30 - 21:00	DINNER	
WEDNESDAY - 1 JULY 2015			
7:30 - 8:30 REGISTRATION OPENS			
8:30 - 8:45 HOUSE KEEPING			
VENUE A			
Plenary Session 3	8:45 - 9:30	Ken Irvine	DRAINING ASSETS: FROM WETLAND DELUSIONS TO INVESTMENT IN A GLOBAL SUPER PROVIDER
	9:30 - 10:00	Kevin Rogers	LIMNOLOGY AND THE POST-NORMAL IMPERATIVE: AN AFRICAN PERSPECTIVE
	10:00 - 10:30	Mark Graham	DEVELOPMENT OF A COMMUNITY-BASED WATER RESOURCE MONITORING TOOLKIT FOR SOUTHERN AFRICA
10:30-11:00 TEA TIME			
VENUE A (Chair: TBA)			
Special Session 7: Wetlands protection and use	11:00-11:15	L Danga	DESIGN OF A NATIONAL WETLAND MONITORING PROGRAMME (NWMMP): FOLLOWING A PHASED APPROACH.
	11:15-11:30	DM Schael	THE INFLUENCE OF WETLAND TYPE AND INUNDATION DURATION ON AQUATIC INVERTEBRATE SPECIES COMPOSITION IN SMALL, EPHEMERAL WETLANDS.
	11:30 - 11:45	N Mbona	SUPPORTING BETTER DECISION-MAKING AROUND COAL MINING IN THE MPUMALANGA HIGHVELD THROUGH THE DEVELOPMENT OF MAPPING TOOLS AND REFINEMENT OF SPATIAL DATA ON WETLANDS (USE OF ARCGIS MOBILE)
VENUE B (Chair: TBA)			
Special Session 8: Innovative techniques and technologies for aquatic ecosystem management		TL Botha	GOLD NANOPARTICLE (NAU) UPTAKE, DISTRIBUTION AND EFFECTS ON REPRODUCTION IN ADULT DAPHNIA MAGNA
		D Govender	CAN EDNA TECHNOLOGY SOLVE THE MYSTERY OF THE CROCODILE MORTALITIES IN THE OLIFANT'S RIVER, KRUGER NATIONAL PARK
		AD de Villiers	USING BAYESIAN BELIEF NETWORKS IN AQUATIC ECOSYSTEM ASSESSMENTS
VENUE C (Chair: TBA)			
Special Session 9: River health Programme and the new National Ecosystem Monitoring Programme		C Thirion	WHERE DO THEY LIVE? ENVIRONMENTAL REQUIREMENTS OF SELECTED MACROINVERTEBRATE FAMILIES.
		RB Tate	THE USE OF THE PROPORTION-OF-SEDIMENT-SENSITIVE-INVERTEBRATES (PSI) INDEX TO DETERMINE THE STATE OF FINE SEDIMENTATION IN RIVERS FROM A TROPICAL REGION OF CAMEROON, WEST AFRICA.
		ON Odume	MACROINVERTEBRATE TRAITS-BASED APPROACH (TBA) TO BIOMONITORING IN AN URBAN RIVER, EASTERN CAPE SOUTH AFRICA

11:45 - 12:00	ST George	WATER IN THE ECONOMY- A CASE OF THE KAFUE FLATS, ZAMBIA	AG Koning	REMOTELY PILOTED AIR-CRAFT SYSTEMS AIDING IN FIELDWORK	Special Session 9: River health Programme and the new National Ecosystem Monitoring Programme	AK Gordon	A RAPID FISH SURVEY OF THE BERG RIVER SYSTEM - AND APPLICATION OF THE FISH RESPONSE ASSESSMENT INDEX
12:00 - 12:30	B Graves	MPOPHOMENIWETLAND: A CASE STUDY FOR INVESTING IN ECOLOGICAL INFRA-STRUCTURE THAT SUPPORTS SOUTH AFRICA'S POTABLE WATER RESOURCES	S Dahms	A FIELD EVALUATION FOR THE USE OF ARTIFICIAL MUSSELS IN DETERMINING METAL CONTAMINATION IN THE NYL RIVER SYSTEM.		RS Musa	RELATING DIATOM COMMUNITY ASSEMBLAGES TO WATER QUALITY IN THE NYL RIVER SYSTEM, LIMPOPO, SOUTH AFRICA.
11:45 - 12:45	N Job	A LAND COVER BASED APPROACH TO DESKTOP ASSESSMENT OF WETLAND CONDITION AND FUNCTION IN SUPPORT OF THE UPPER UMNGENI WWF-MONDI WETLANDS PROGRAMME RESILIENT LANDSCAPES PROJECT.	IW Bailey	ASSESSING THE TOXICITY OF WASTE WATER EFFLUENTS USING THE VIBRIO FISCHERI TOXICITY TEST COMPARED TO THE STANDARD LABORATORY LIVE ORGANISM TESTS		D Veldkornet	PHYLOGEOGRAPHY OF SOUTH AFRICAN ESTUARINE MACROPHYTES: SCREENING AND PRELIMINARY FINDINGS.
		Discussion: Wetlands protection and use	Discussion: Innovative techniques and technologies for aquatic ecosystem management		Discussion: River health Programme and the new National Ecosystem Monitoring Programme		
LUNCH TIME							
12:45-13:40							
VENUE A (Chair: TBA)							
13:40-14:00	LD Chari	FATTY ACID INDICATORS OF TROPIC CROSS-SUBSIDIES IN RIPARIAN PREDATORS	R Pieters	DISTINGUISHING BETWEEN PERSISTENT AND NON-PERSISTENT ARYL HYDROCARBON LIGANDS IN SEDIMENTS OF SOUTH AFRICAN HARBOURS.	VENUE C (Chair: M Graham)		
14:00 - 14:20	S Moyo	TROPHIC RELATIONSHIPS IN TEMPERATE STREAMS OF SOUTH AFRICA REVEALED BY STABLE RNISOTOPE AND FATTY ACID ANALYSIS RN	P Goitse	THE REMOVAL OF HEAVY METALS AND SULPHATES FROM AMD USING POLYMER-BASED COMPOSITE	SN Bruton CITIZEN SCIENCE MONITORING OF RIVER HEALTH: LATEST DEVELOPMENTS TO MAINSTREAM MINISASS AND ALLOW A BROADER SPECTRUM OF SOCIETY TO CONTRIBUTE TO THE GROWING NATIONAL PICTURE OF RIVER HEALTH		
14:20 - 14:40	SN Motitsoe	STABLE ISOTOPE ANALYSIS: A NEW STEP IN BIOLOGICAL MONITORING OF FRESHWATER SYSTEMS?	CJ Curtis	ACID RAIN; CRITICAL LOADS AND SURFACE WATER ACIDIFICATION IN SOUTH AFRICA	A Sahula SOCIAL PROCESSES INFLUENCING WATER MANAGEMENT PRACTICES WITHIN THE SUGAR INDUSTRY, CROCODILE RIVER CATCHMENT		
Traditional Session 7: Productivity, trophic structures and aquatic food webs		Traditional Session 8: Water quality stressors in the aquatic environment		Traditional Session 6: People and science: Involvement and benefit sharing			
VENUE B (Chair: TBA)							

Traditional Session 7: Productivity, trophic structures and aquatic food webs	14:40 - 15:00	Es Antonio	TIDE-INDUCED VARIATIONS IN THE QUALITY OF ESTUARINE PARTICULATE ORGANIC MATTER: IMPLICATIONS TO FOOD WEB STUDIES	Traditional Session 8: Water quality stressors in the aquatic environment	UMC Nibamureke	HEALTH ASSESSMENT OF FISH FROM A PRESUMED OUTSIDE DDT- SPRAYED AREA, ALBASINI DAM, LIMPOPO PROVINCE, SOUTH AFRICA.	Traditional Session 6: People and science: Involvement and benefit sharing	P Greaves	USING CITIZEN SCIENTISTS TO DEVELOP AND POPULATE FISHMAP. A DISTRIBUTION OF ALL FRESHWATER FISH IN SOUTHERN AND EASTERN AFRICA
DDD PRESENTATIONS									
VENUE A (Chair: TBA)									
Traditional Session 10: Climate variability and ecosystem resilience	15:00-15:20	P Sourav	EFFECTS OF EPISODIC CLIMATIC SHIFTS ON ECOSYSTEM EQUILIBRIUM OF LAKE ST. LUCIA, ISIMANGALISO WETLAND PARK (A UNESCO WORLD HERITAGE)	Traditional Session 11: Water quality stressors in the aquatic environment	VENUE B (Chair: TBA)		Traditional Session 12: Benefit sharing in aquatic resource management	VENUE C (Chair: TBA)	
	15:20-15:40	FT Buschke	USING STAGE-CLASS MATRIX POPULATION MODELS OF THE FAIRY SHRIMP BRANCHIPODOPSIS WOLFI TO QUANTIFY THE SENSITIVITY OF LIFE-HISTORY PARAMETERS TO FORECASTED CLIMATE CHANGE.		PE Ndimele	DOES FERTILIZER (N15P15K15 AND UREA) AMENDMENT ENHANCE PHYTOREMEDIATION OF PETROLEUM-POLLUTED AQUATIC ENVIRONMENT IN THE PRESENCE OF WATER HYACINTH (EICHORNIA CRASSIPES [MART.] SOLMS)?		OLF Weyl	THE TROUBLE WITH INLAND FISHERIES DEVELOPMENT IN SOUTHERN AFRICA
	15:40-16:00	Discussion on climate variability and ecosystem resilience			NF Masikane	GRANDIDIERELLA LIGNORUM (AMPHIPODA: AORIDAE) IS A POTENTIAL TOXICITY TEST ORGANISM FOR SOUTH AFRICAN COASTAL WATERS		Discussion on inland fisheries in Southern Africa	
16:00-16:15	TEA TIME								
VENUE A									
16:15 - 17:30	SASAQS AGM								
EVENING EVENT									
18:30 - 23:00	GALA DINNER								

THURSDAY - 2 JULY 2015

CITIZEN SCIENCE TOOLS AND TESTING AND WORKSHOP ON WETLANDS FOR PEOPLE: LINKING STRUCTURE, SERVICES AND ECONOMICS FOR SUSTAINABLE USE

8:30 - 10:00	Testing and sharing Citizen Science tools and methods- a field work session held at the local river
10:00-10:30	TEA TIME
10:30 - 11:30	Session One: Wetland Policy and Planning
11:30 - 12:30	Session Two: Economics and the TEEB for wetlands framework
12:30-13:30	LUNCH TIME
13:30 - 14:30	Session Three: Monitoring for sustainable use
14:30 - 16:30	Session Four: Into the future



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Workshop on Wetlands for People: Linking structure, services and economics for sustainable use

Wetlands, once frequently regarded as wastelands, or the preserve of bird watchers, are now recognised as essential green infrastructure in an increasingly degraded landscape. Yet, despite the understanding of the multiple services wetlands from for humanity, and their richness as a haven for diverse natural communities of plants and animals, there global decline continues. The services of wetlands include food production, water management, flood mitigation, nutrient trapping, and social structure and cohesion dependent on a productive biodiversity.

Following the 2015 SASAQS conference on **2 July 2015** at the *Champagne Sports and Leisure Resort in KwaZulu-Natal* the Wetlandsforum.net initiative will be hosting a workshop to characterise the role that wetlands play for South and southern Africa, the policies that protect or impact on them, and the challenges and solutions of their longer term protection and use in a living landscape. The workshop will be active, drawing on participants knowledge and suggestions in areas of policy, monitoring, economics and capacity building.

The workshop will be attended by policy makers, regional and national conservationists, water resource users, scientists and other interested and affected stakeholders of wetlands in the region.

WORKSHOP STRUCTURE HAS FOUR SESSIONS INCLUDING:

- Session One: Wetland Policy and Planning
- Session Two: Economics and the TEEB for wetlands framework
- Session Three: Monitoring for sustainable use
- Session Four: Into the future.



Southern African Society of Aquatic Scientists

REGISTRATION INFO:

Cost: R225.00 per person
Includes: Workshop package, teas and lunch
Visit: www.savetcon.co.za

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