



**DST-NRF Centre of Excellence**  
***“Birds as Keys to Biodiversity Conservation”***  
**Percy FitzPatrick Institute, UCT**

**ANNUAL REPORT 2010**

**Reporting Period**  
**1 January - 31 December 2010**

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**CoE Identification**

Name of Director	:	Prof. Philip A.R. Hockey
Name of CoE	:	DST-NRF Centre of Excellence at the Percy FitzPatrick Institute of African Ornithology
Abbreviated CoE name	:	PFIAO CoE
Host Institution	:	University of Cape Town
Date completed	:	15 March 2011

## EXECUTIVE SUMMARY

### 1. Funding of the CoE (excluding for the Percy FitzPatrick Institute as a whole)

Total NRF CoE funding for 2010	:	R 5,658,747*
Carry forward from 2009	:	R 604,773
Interest earned during 2009	:	R 99,928
UCT support for the CoE in 2010	:	R 159,705**
Funding from other sources for the CoE in 2010	:	R 6,140,280***
Total funding	:	R 12, 503,728

\* includes 'normal' NRF CoE grant plus the upgrade to fully funded CoE, the additional grant of R480 000 for three Post-doctoral Fellows and funding for the Biodiversity Academy.

\*\* represent UCT's contribution to the Chair in Conservation Biology (R159 705).

\*\*\* includes funding from sources other than the NRF for projects conducted by the CoE (see Finances Section pages 17 - 21). Does not include funding provided by collaborating institutions to CoE members at those institutions.

### 2. Summary of progress against Five Key Performance Areas

#### (i) Research

Eighty-eight papers were published in SCI-rated, peer-reviewed journals during 2010, 53 in journals with a rating  $\geq 1.5$ , 22 in journals with a rating  $\geq 3.5$  and one in a journal with a rating  $\geq 10$ . The proportion of peer-reviewed papers published according to the focal research areas is; characterizing biodiversity = 8, evolutionary ecology = 29 and maintaining biodiversity = 51.

#### (ii) Education and Training

Fifty post-graduate students (18 PhD, 30 MSc and two BSc Honours) registered at South African institutions (30% black and 46% women) were supported directly or indirectly by the CoE during 2010. Eleven MSc Conservation Biology and 2 BSc Honours students graduated during 2010. Eleven Post-doctoral Fellows were registered at the Fitztitute during 2010.

#### (iii) Information Brokerage

Fifty-seven semi-popular articles and six contributions to semi-technical books were published during 2010. CoE members attended ten international and four local conferences. CoE members also presented seminars and illustrated talks at numerous universities, bird clubs, and membership-based societies.

#### (iv) Networking

A broad range of close collaborative working relationships with scientific peers and a variety of conservation NGOs and governmental organisations exists both nationally and internationally. The CoE continued to be involved with student training initiatives. The CoE continues to build much-needed African capacity in the broad arena of biodiversity conservation.

## **(v) Service rendering**

The CoE has been active in advising conservation organizations, government departments and industry on a variety of research projects. CoE members served on 13 journal editorial boards and reviewed at least 69 papers for 38 peer-review journals.

### **3. Gender impacts of research**

A proactive policy on recruiting women led to a 46% representation of women in the postgraduate student body for 2010. Research project activities are increasingly addressing gender-related issues and inclusion in the field, for example in the avian diseases and Cape Parrot projects.

### **4. Red Flags/concerns for the future of the CoE**

The consequence of not replacing the Senior Lecturer post for two years was compounded by Dr Yohannes's last-minute withdrawal from her appointment to this position. However, the appointment process for this post was revisited and Dr Arjun Amar started in February 2011. In total, therefore, the post was vacant for almost three years.

The recently adopted NARIC system of admissions criteria is problematic for student recruitment, particularly for the CB course where it affects demographics, prejudicing against African students, many of whom (with the same qualifications) would have been accepted onto the course in the past. With one exception, past African students who would now be excluded by NARIC passed the course.

### **5. General Comments**

The CoE exceeded its targets (Service Level Agreement 4 [SLA4]) in terms of the quality of research publication as measured by their impact factors. A significant event of 2010 was the approval to upgrade the CoE to fully funded status. Following the 5-year external review of the CoE during 2009, the CoE has, during 2010, made strategic advancements to increase its emphasis on terrestrial ornithology and conservation research. Significant profiling and marketing activities took place during 2010 to celebrate the 50<sup>th</sup> Anniversary of the Institute, which we trust will enhance the profile and financial sustainability of the PFI/O/CoE.

The year started with a Vice-Chancellor's Open Lecture by Prof. Norman Myers which was followed by a Fitztitute 50<sup>th</sup> Golf Day and the Fitztitute 50<sup>th</sup> Annual General Meeting, both of the latter held at the Steenberg Golf Estate. The Fitztitute 50<sup>th</sup> logo was featured on the front cover of 15 of the 20 issues of the UCT *Monday Paper* during 2010. We also saw eight Fitztitute articles featured in the *Monday Paper* during 2010. The revamped Fitztitute website was launched on the UCT website on 17 February 2010. Thereafter, 10 Fitztitute news items appeared on the UCT website during the year, with three items featuring the Fitztitute appearing in the last week of November alone - probably some sort of record for a single research unit at UCT (Appendix 1).

# PROGRESS REPORT

## 1. Scientific Research

### Objective

The research strategy of the CoE has been aligned to a medium-term goal of producing world-class research outputs, measured as the number of papers published in international, peer-reviewed journals with high SCI impact-factor ratings. To meet this goal, the CoE SLA 4 has a target of publishing  $\geq 40$  peer-reviewed publications per year, with an average of  $\geq 2$  papers with an impact rating  $\geq 10$ , and  $\geq 10$  papers with an impact rating  $\geq 3.5$  each year during 2009-2011.

### Progress

Eighty-eight papers carrying the CoE address were published in peer-reviewed SCI-rated journals during 2010 (Appendix 2), 53 of which were published in journals with an impact factor rating  $\geq 1.5$ . Twenty-two of these papers were in journals with impact factors  $\geq 3.5$ , and one in a journal with a rating  $\geq 10$  (Fig. 1). The proportion of peer-reviewed papers published according to the focal research areas is; characterizing biodiversity = 8, evolutionary ecology = 29 & maintaining biodiversity = 51. Appendix 3 reflects individual CoE member publication outputs.

FitzPatrick Institute publications in SCI-rated journals, 2000-2010

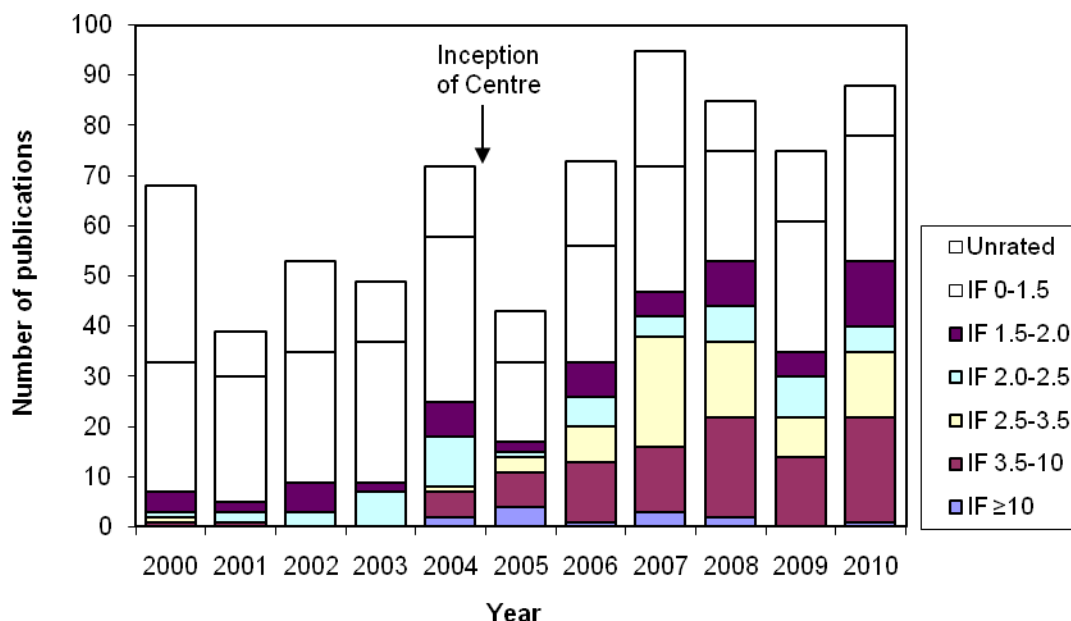


Figure 1. Trend in the quality of CoE publications (measured by journal 'Impact Factors') before and since the establishment of the Centre of Excellence. IF = Impact Factor. To place the figure in perspective, only five life-sciences journals worldwide (including Science and Nature) have impact factors  $>10$ .

## 2. Education and Training

### **Objective**

The short-term objective, as outlined in the SLA 4, is for the CoE to support (at least partially) an average of  $\geq 20$  postgraduate students and  $\geq 5$  Post-doctoral Fellows per annum during 2009-2011. A further target is for black students to comprise  $\geq 30\%$  of the students supported by the CoE over this period. A medium- to long-term objective is to continue to build a vibrant research environment that instils a rigorous hypothetico-deductive approach to problem solving among the postgraduate student body.

### **Progress**

Eighteen PhD, 30 MSc and two BSc Honours students (total = 50) registered at South African institutions were supported directly or indirectly by the CoE during 2010. Fifteen (30%) of these students were black, and 23 (46%) were women. Twenty two (44%) of the students were South African, but there were only two black South African students. Two new Post-doctoral Fellows and 12 MSc (CB Course) students started at the CoE during 2010. Three MSc students upgraded to PhD during 2010. Eleven MSc Conservation Biology and 2 BSc Honours students graduated in 2010.

### **Summary statistics for students number 2004 - 2010**

Degree	2004	2005	2006	2007	2008	2009	2010
Post-doc	0	6	9	8	9	12	11
PhD	6	8	13	18	19	15	18
MSc	5	8	6	5	7	6	7
MSc CB	15	11	14	12	11	11	12
MSc CB	13	15	11	14	12	11	11
<b>Tot -CB(2)</b>	26	33	42	43	46	44	48
<b>Tot +CB(2)</b>	39	48	53	57	58	55	59

2004 = prior to CoE

CB(2) = second year of a CB class cohort

The fourth Biodiversity Conservation Academy, a joint venture between the CoE for Invasion Biology (CIB) and the PFIAO CoE, was held at Potberg Environmental Education Centre in De Hoop Nature Reserve from 11–15 January 2010. The Academy was attended by 14 students (all black) selected from across South African universities, four of whom were interns from the South African National Biodiversity Institute. Eleven students were from historically disadvantaged backgrounds and nine were women (Fig. 2). Eight academic and support staff from the two centres, and three volunteers, helped with the management and running of the Academy. Included in the staff were the

Directors of the two Centres, Profs Steven Chown and Phil Hockey. The 5-day Academy programme immersed students in an intensive series of theoretical, practical and philosophical discussions and field-work sessions on biodiversity conservation. The main aim of these sessions was to enhance student appreciation for the complexity of biodiversity, sharpen their knowledge and skills required to assess it, and broaden their knowledge of the theory and practice of conservation in a South African context. The Academy report can be viewed on our website [www.fitzpatrick.uct.ac.za](http://www.fitzpatrick.uct.ac.za). The Academy received high commendation from the participating students. Of the 95% previous attendees who's future has been tracked, 75% have gone on to pursue postgraduate studies or internships in the conservation biology sector.



Figure 2. Participants in the fourth Biodiversity Conservation Academy held at De Hoop Nature Reserve during January 2010.

### **3. Information Brokerage**

#### ***Objective***

Medium- to long-term objectives are to: (1) make a sustained contribution to the semi-popular literature aimed at popularizing science in the fields of conservation biology in general and ornithology in particular; (2) provide expert views on relevant matters for newspaper and magazine articles; and (3) contribute to books of a semi-technical nature.

#### ***Progress***

Fifty-seven semi-popular articles were published during 2010 (Appendix 2). CoE members also contributed to six books.

The findings of the Ground-Hornbill Project in the Associated Private Nature Reserves (APNR) complex adjacent to the Kruger National Park have been produced

as a DVD titled “Hornbill in Crisis”, which has been well received by funders and potential supporters.

CoE members continued to present regular public talks to partner organisations and interested parties, such as NGOs, Environmental Action Groups, Conservancies and various Bird Clubs and membership-based societies. Various radio interviews have also been conducted, including a five minute slot on John Maytham’s afternoon show on Cape Talk Radio each month from July to December 2010.

CoE staff and students attended 10 international and four local conferences during 2010 (see Outputs section).

Rob Little attended the NRF 2010 South African PhD Project Conference during May at Emperor's Palace in Johannesburg which was a valuable initiative to network with the other CoEs and to expose the activities of the Fitz CoE to numerous undergraduate students.

During 2010, the Cape Parrot Project launched a *Facebook* page. Within a year, this became the largest parrot conservation group online anywhere in the world, with over 4,500 subscribers and hundreds of photos, videos, links and posts. The group has already proven to be an important source of new regional collaboration, media contact, charitable donations, and new discoveries. We have discussed the role of carotenoid pigments in immune reactions, the causes of yellow feathers, and how a diet of pecan nuts could influence the health of wild parrots.

Significant profiling and marketing activities took place during 2010 to celebrate the 50<sup>th</sup> Anniversary of the PFIAO, which we also trust will enhance the profile and financial sustainability of the PFIAO/CoE (Appendix 1).

## **4. Networking**

### ***Objective***

Medium- to long-term objectives are to: (1) establish a wide range of key collaborative associations with scientific peers and peer research groups, both locally and abroad; (2) establish partnerships with conservation organisations and NGOs; and (3) establish strong relationships with business organisations with either direct or indirect interests in the fields of conservation biology and ornithology.

### ***Progress***

The CoE continued its involvement with joint-venture student training initiatives and other networking interactions between institutions directly or loosely collaborating with the CoE. Primary collaboration continued with the molecular laboratory of Asst. Prof. Rauri Bowie at the University of California, Berkeley, and with Assoc. Prof. Andrew McKechnie at the University of Pretoria.

A diversity of close collaborative working relationships with scientific peers now exist both nationally and internationally (see list of collaborators below). Additional emphasis has been placed on working with historically black universities in South Africa and African universities, e.g. Fort Hare University, Tshwane University of Technology and the Universities of Zimbabwe and Zambia. Nine of the 11 Post-doctoral Fellows came from seven different foreign countries.

The Conservation Biology Course has continued to build much-needed capacity within and outside of South Africa in the broad area of biodiversity conservation, with the graduation of students from Kenya (x2), USA (x2), DRC, Rwanda, Guyana and Zambia and the enrolment of students from the UK (x3), Canada, Costa Rica, Germany and the USA during 2010.

## **5. Service rendering**

### ***Objective***

A medium- to long-term objective is to establish formal contact with a range of conservation agencies and other relevant government bodies, such as Dept Environmental Affairs, Dept Agriculture and Dept Water Affairs & Forestry, to ensure the expertise of the CoE can be used to address practical research and information needs. CoE members will continue to render their services to the broader scientific community and the general public.

### ***Progress***

Links continue to be serviced with a diversity of conservation agencies, NGO's, government departments, and industry players. These include the Department of Environmental Affairs, Department of Agriculture, Forestry & Fisheries, the South African National Biodiversity Institute (SANBI), SANParks, IUCN, Conservation International, Fauna & Flora International, the Royal Society for the Protection of Birds (RSPB), BirdLife South Africa & Zimbabwe, the Endangered Wildlife Trust, the Namibian Ministry of the Environment, the Wildlife Conservation Society, the Nature Conservation Corporation, the South African Deep Sea Trawling Industry Association and I&J.

CoE members serve on the editorial boards of 13 scientific journals (see below) and reviewed 69 papers for 38 peer-reviewed international and local journals during 2010.

Prof. Phil Hockey serves on the BirdLife South Africa Council, and its Rarities, List and Conservation Committees. Prof. Tim Crowe serves on the International Ornithological Congress Committee and the Board of the South African Biodiversity Information Facility. Prof. Paulette Bloomer is President of the Southern African Society for Systematic Biology. She is also a member of the IUCN Specialist Group on Afrotheria, the Yellowfish Working Group Scientific Panel and the steering committee of the South African Biosystematics Initiative. A/Prof. Peter Ryan is President of BirdLife South Africa, a member of the IMAF Working Group of CCAMLR and the South Atlantic Island Plant Specialist Group, which is part of the IUCN Species Survival Commission, and is a Tristan da Cunha Conservation Officer.

Rob Little has continued to serve on the Mazda Wildlife Fund Advisory Board which assists with management of the Fund and the allocation of conservation field vehicles. We received one MWF loan vehicle during 2010 and have received another early in 2011.

The Fitztute entered into an MoU with the Mabula Ground-Hornbill Project (MGHP) during 2010 to enhance the research activities between the two organisations. Rob Little is now a member of the MGHP management Board (as Vice Chairman) and participates on the Southern Ground-Hornbill Action Group to develop a Species Recovery Plan for SGHs.



**Positions on Editorial Boards, Councils, Advisory/Steering Committees, etc** (this applies *only* to positions active in 2010)

### ***Editorial Boards***

- *Antarctic Science* (Associate Editor) (Ryan)
- *Austral Ornithology* (Associate Editor) (McKechnie)
- *Biological Conservation* (Editorial Board) (Hockey)
- *Bird Conservation International* (Associate Editor) (Ryan)
- *Ecology: Conservation and Restoration* (Associate Editor) (Ryan)
- *Diversity and Distributions* (Editorial Board) (Cumming)
- *Ecology & Society* (Editorial Board) (Cumming)
- *Emu* (Associate Editor) (McKechnie)
- *Ibis* (Editor) (Bowie)
- *Journal of Arid Environments* (Associate Editor) (Milton)
- *Landscape Ecology* (Editorial Board) (Cumming)
- *Ostrich – Journal of African Ornithology* (Associate Editor) (McKechnie)
- *Public Library of Science* (PLoS – International Advisory Group) (Hockey)

### ***Membership & Advisory services***

- ACAP Taxonomy Working Group (Ryan)
- *Africa Birds and Birding* (scientific advisors) (Hockey, Ryan)
- BirdLife South Africa Council (members) and Conservation Advisory Committee members (Hockey, Ryan) President (Ryan)
- Earth-Touch (Scientific Advisory Board member) (Hockey, Ryan, Little)
- Ecological Society of America (Cumming)
- Faculty Member, 'Faculty of 1000'. See <http://f1000.com/> (Cumming, Ryan)
- International Ornithologists' Union (Fellows) (Crowe, Hockey)
- Mabula Ground Hornbill Advisory Board (Little)
- Mazda Wildlife Fund Advisory Board (Little)
- Resilience Alliance (Cumming)
- SAFRING Steering Committee (member) (Hockey)
- Society for Conservation Biology (Cumming)
- South African Bird Atlas Project 2 Steering Committee (Ryan)
- Tristan's Biodiversity Advisory Group (Ryan)
- World Bird List Committee (Ryan)

## **6. Gender and equity impacts of research**

### ***Objective***

A medium- to long-term objective is to ensure that gender issues are considered in all aspects of the CoE's work, with the goal of maintaining an equal representation of men and women within the CoE in the long term.

### ***Progress***

The CoE continues to be guided by a proactive recruitment policy to attract female postgraduates to ensure gender parity in the CoE student body. This policy has been relatively successful, with 46% of postgraduate students supported by the CoE in 2010 being women. The academic and support staff gender profile of the CoE has improved and stands at 47% female.

Research at the PFIAO into avian malaria and avian influenza, diseases which affect chickens and other poultry, is providing information that can be used to educate African women about the risks of handling poultry and causes of the spread of these diseases.

The Cape Parrot Project in the Amatole Mountains of the Eastern Cape aims to plant over 2 500 indigenous tree saplings (predominantly yellowwoods) each year for the next two years and erect over 300 artificial nest boxes for parrots in suitable trees throughout the Hogsback area. We have injected much-needed investment into a poorly managed, community-run indigenous tree nursery previously funded by the Danish government, by buying up their entire stock of 2 000 indigenous tree saplings. We are teaching local women to use "worm farms" to produce fertilizer and grow yellowwood saplings of their own in the potting bags provided. Teams of five local women will be supervised by our Community Liaison Officer (jointly employed by the Fitzitute and BirdLife South Africa) planting up to 1 000 saplings in a designated forest patch. They will then be trained how to take care of these indigenous tree saplings and, following an audit by the Community Liaison Officer, will be paid R10 per sapling every six months (i.e. up to R50 000 each year).

The project has also taken over the management of a pecan nut orchard in the grounds of the University of Fort Hare near Alice, where over 100 Cape Parrots feed daily for more than four months of the year. We have fenced this pecan orchard and have contracted women from the local community to gather the pecan nuts, de-shuck and package them. Revenue from this small business will be shared between the local women and the management of the pecan orchard.

## HUMAN RESOURCES

The following people worked within the CoE during 2010 (or part thereof).

**Table 1. Core Team Members for 2010**

Title	Surname	Citizenship	Institution	Gender	Race	H-index ISI*	% time spent working in CoE
Dr	O’Ryan	South Africa	UCT - MCB	F	B	8	10
Prof.	Bloomer	South Africa	U. Pretoria	F	W	11	10
A/Prof.	Bowie	South Africa	U. Cal., Berkley	M	W	16	50
Prof.	Crowe	South Africa	UCT	M	W	21	100
Prof.	Cumming	South Africa	UCT	M	W	20	100
Prof.	Hockey	UK (SA res)	UCT	M	W	24	100
A/Prof.	McKechnie	South Africa	U. Pretoria	M	W	11	30
A/Prof.	Ryan	South Africa	UCT	M	W	26	100

\* H-index scores (ISI 2009 measure) as calculated on 10 March 2011

**Table 2. Research Associates & Honorary Professors for 2010**

Title	Surname	Citizen	Institution	Gender	Race	% time spent working in CoE
Dr	Barnard	UK	SANBI	F	W	3
Dr	Milton	SA	UCT	F	W	40
Dr	Spottiswoode	SA	U Cambridge, UK	F	W	30
Dr	Dean	SA	UCT	M	W	20
Prof.	Cumming	Zimbabwe	U Zimbabwe	M	W	20
Dr	Milewski	Australia	Murdoch U, W. Aus.	M	W	20
Dr	Jenkins	SA	UCT	M	W	20
Dr	Kemp	SA	UCT	M	W	1
Dr	Simmons	UK	UCT	M	W	40

**Table 3. Post Docs for 2010**

Title	Surname	Citizenship	Institution	Gender	Race	CoE funding support level		
						Bursary	Running	Indirect
Dr	Nchu *	Cameroon	UCT	M	B	Yes	Yes	Yes
Dr	Covas	Portugal	UCT	F	W	No	Yes	Yes
Dr	Cunningham	New Zealand	UCT	F	W	Yes	Yes	Yes
Dr	Pichegru	France	UCT	F	W	No	Yes	Yes
Dr	Ridley	New Zealand	UCT	F	W	No	Yes	Yes
Dr	Techow	Germany	UCT	F	W	No	No	Yes
Dr	Cook *	France	UCT	M	W	Yes	Yes	Yes
Dr	Boyes	SA	UCT	M	W	Yes	Yes	Yes
Dr	De Melo	Spain	UCT	M	W	No	Yes	Yes
Dr	Loewenthal	SA	UCT	M	W	Yes	Yes	Yes
Dr	Martin *	UK	UCT	M	W	Yes	Yes	Yes

\* = Post Docs sharing the additional NRF grant of R480 000.

**Table 4. List of students for 2010**

Title	Surname	Citizenship	Institution	Gender	Race	Degree	1 <sup>st</sup> year	CoE funding support level		
								Bursary	Running	Indirect
Ms	Mandiwana	SA	UCT	F	B	PhD	2004	No	No	Yes
Ms	Okanga	Kenya	UCT	F	B	PhD	2009	No	No	Yes
Mr	Chaskda	Nigeria	UCT	M	B	PhD	2007	No	No	Yes
Mr	Kaliba	Malawi	UCT	M	B	PhD	2007	Yes	Yes	Yes
Mr	Lokugalappatti	Sri Lanka	Berkeley, USA	M	B	PhD	2005	No	Yes	Yes
Mr	Ndlovu	Zimbabwe	UCT	M	B	PhD	2007	No	Yes	Yes
Mr	Ngoma	Malawi	UCT	M	B	PhD	2005	No	No	Yes
Ms	Barquette-Costa	Brazil	UCT	F	W	PhD	2007	No	No	Yes
Ms	Jones	SA	UCT	F	W	PhD	2007	No	No	Yes
Ms	Nupen	SA	UCT	F	W	PhD	2008	Yes	Yes	Yes
Ms	Ponte Machado	Canary Islands	UCT	F	W	PhD	2003	No	No	Yes
Ms	Ribeiro	Portugal	UCT	F	W	PhD	2007	No	Yes	Yes
Ms	Shaw	UK	UCT	F	W	PhD	2009	No	Yes	Yes
Mr	Cohen	SA	UCT	M	W	PhD	1999	No	No	Yes
Mr	Joseph	SA	UCT	M	W	PhD	2009	No	Yes	Yes
Mr	Little	SA	UCT	M	W	PhD	2007	No	No	Yes
Mr	Oatley	SA	UCT	M	W	PhD	2005	No	Yes	Yes
Mr	Smit	SA	Univ. Pretoria.	M	W	PhD	2007	Yes	Yes	Yes
Ms	George	Zambia	UCT	F	B	MSc CB	2009	No	No	Yes
Ms	Githiora	Kenya	UCT	F	B	MSc CB	2009	No	No	Yes
Mr	Matsvimbo	Zimbabwe	U Pretoria	F	B	MSc	2010	No	Yes	Yes
Mr	Asefa	Ethiopian	U Pretoria	M	B	MSc	2010	No	Yes	Yes
Mr	Gichohi	Kenya	UCT	M	B	MSc CB	2009	No	No	Yes
Mr	Kissoon	Guyana	UCT	M	B	MSc CB	2009	No	No	Yes
Mr	Kujirakwinja	DRC	UCT	M	B	MSc CB	2009	No	No	Yes
Mr	Mutumi	Zimbabwe	UCT	M	B	MSc	2008	No	Yes	Yes
Mr	Tuyisingize	Rwanda	UCT	M	B	MSc CB	2009	No	No	Yes
Ms	de Abrue	SA	UCT	F	W	MSc CB	2010	No	No	Yes
Ms	du Plessis	USA	UCT	F	W	MSc CB	2010	No	No	Yes
Ms	England	Canada	UCT	F	W	MSc CB	2010	No	No	Yes
Ms	Jurk	UK	UCT	F	W	MSc CB	2010	No	No	Yes
Ms	Lewis	UK	UCT	F	W	MSc CB	2010	No	No	Yes
Ms	Louw	SA	UCT	F	W	MSc CB	2010	No	No	Yes

Ms	Moseley	SA	UCT	F	W	MSc CB	2009	No	No	Yes
Ms	Skidmore	USA	UCT	F	W	MSc CB	2009	No	No	Yes
Ms	Solano	Costa rica	UCT	F	W	MSc CB	2010	No	No	Yes
Ms	Van Rensburg	SA	U Pretoria	F	W	MSc	2007	Yes	Yes	Yes
Ms	Wilson	SA	UCT	F	W	MSc CB	2009	No	No	Yes
Mr	Davies	SA	UCT	M	W	MSc	2008	No	Yes	Yes
Mr	Heermans	USA	UCT	M	W	MSc CB	2009	No	No	Yes
Mr	Krahner	Germany	UCT	M	W	MSc CB	2010	No	No	Yes
Mr	Marais	SA	UCT	M	W	MSc CB	2009	Yes	No	Yes
Mr	Marx	SA	UCT	M	W	MSc CB	2010	No	No	Yes
Mr	Sangster	UK	UCT	M	W	MSc CB	2010	No	No	Yes
Mr	Thompson	SA	UCT	M	W	MSc	2009	Yes	Yes	Yes
Mr	van der Merwe	SA	UCT	M	W	MSc CB	2010	Yes	No	Yes
Mr	van Eeden	SA	UCT	M	W	MSc	2010	Yes	Yes	Yes
Mr	Wright	SA	UCT	M	W	MSc CB	2010	Yes	No	Yes
Mr	Dickens	SA	UCT	M	W	BSc Hon	2010	Yes	Yes	Yes
Mr	Edwards	SA	UCT	M	W	BSc Hon	2010	Yes	Yes	Yes

**Table 5. Collaborators (Loosely involved with CoE) during 2010**

Title	Surname	Citizenship	Institution	Gender	Race	% time spent working in CoE
Dr	Abolnik	SA	Onderstepoort VI	F	W	2
Dr	Allen	SA	Durban Mus	M	W	1
Dr	Alström	Sweden	Uppsala Univ.	M	W	2
Mr	Anderson	SA	N Cape N Cons	M	W	5
Dr	Aronson	France	CNRS	M	W	1
Prof	Balmford	UK	Cambridge	M	W	2
Dr	Barker	USA	U Minnesota	M	W	1
Dr	Barrowclough	USA	Am Mus Nat Hist	M	W	1
Dr	Bates	USA	Chicago Mus.	M	W	1
Dr	Beresford	USA	Stockton College	F	W	1
Prof.	Blignaut	SA	U Pretoria	M	W	1
Dr	Bodin	Sweden	Lund Univ.	M	W	2
Dr	Boucher	SA	U Stellenbosch	M	W	1
Dr	Caron	France	CIRAD	M	W	2
Mr	Chiweshe	France	CIRAD	M	B	2
Dr	Gaidet	France	CIRAD	M	W	2
Dr	Gous	SA	SANCOB	M	W	5
Prof.	Gremillet	France	CNRS	M	W	5
Dr	Freckleton	UK	Oxford U	M	W	1
Dr	Hatchwell	UK	U Sheffield	M	W	5
Prof.	Hedderson	SA	UCT	M	W	1
Dr	Hilton	UK	RSPB	M	W	1
Prof.	Huntley	UK	U Durham	M	W	1
Prof.	Jansen	SA	Tshwane U Tech	M	W	1
Dr	Jetz	USA	U Cal. San Diego	M	W	1
Dr	Kock	SA	WCS	M	W	2
Prof.	Lovegrove	SA	U KZN	M	W	5
Mr	Magunje	Zimbabwe	BirdLife Zim	M	B	5
Dr	Mzilikazi	SA	NMMU	M	B	5
Prof.	Richardson	SA	U Stellenbosch	M	W	1
Dr	Roport-Coudert	Japan	N I Polar Res	M	W	1
Prof.	Swanson	USA	U South Dakota	M	W	1
Dr	Sorenson	USA	Boston U	M	W	1
Dr	Wimberger	SA	U Fort Hare	F	W	10
Dr	Woodborne	SA	CSIR	M	W	5

**Table 6. Administrative Staff for 2010**

Title	Surname	Position	Based at	Gender	Race
Mrs	Buchanan	Administrator	UCT	F	W
Ms	Hans	Library Assistant	UCT	F	B
Mrs	Jansen	Snr Secretary	UCT	F	B
Mrs	Koopman	Librarian	UCT	F	W
Mrs	Links	SAP Administrator	UCT	F	B
Dr	Little	CoE Manager	UCT	M	W
Mr	Tobler	Snr technical officer	UCT	M	W

Mr Mansfield retired as the SAP Administrator after 35 years service in December 2009. He was replaced in January 2010 by Mrs Anthea Links.

**Table 7: Summary table of CoE academic staff & students in 2010, with numbers expected for 2011.** These figures include Project Leaders & CoE-supported students at collaborating institutions.

<b>Member category</b>	<b>Gender</b>	<b>Race</b>	<b>Number in 2010</b>	<b>Number in 2011</b>
Project leader	F	B	1	1
	F	W	1	1
	M	W	6	7
	Total		8	9
Postdoc	M	B	1	1
	F	W	5	5
	M	W	5	4
	Total		11	10
PhD	F	B	2	1
	M	B	5	3
	F	W	6	4
	M	W	5	5
	Total		18	13
MSc	F	B	3	3
	M	B	6	4
	F	W	11	13
	M	W	10	12
	Total		30	32
BSc Honours	F	W	-	2
	M	W	2	-
	Total		2	2

## OUTPUTS

### Publications during 2010 (Refer to Appendix 2)

Articles in peer-reviewed journals:  
88 papers were published in SCI-ranked journals.

Semi-popular articles:  
57 articles were published in the semi-popular literature.

Books / Chapters in books:  
6 contributions to published books and book chapters.

### Conferences attended during 2010: Meeting (month, place), people who attended

<b>Island Invasives: Eradication and Management</b> (Feb; Auckland, New Zealand) Peter Ryan
<b>29<sup>th</sup> Willi Hennig International Society of Systematic Biology meeting</b> (May; Hawaii, USA) Tim Crowe
<b>Evolutions Meetings</b> (June; Idaho, USA) Rauri Bowie
<b>25<sup>th</sup> International Ornithological Congress</b> (Aug; Campos do Jordão, Brazil) Phil Hockey, Tim Crowe, Andrew McKechnie, Angela Ribeiro, Doug Loewenthal, Rowan Martin, Ross Wanless, Ian Little, Ben Smit
<b>40<sup>th</sup> annual meeting of the GfÖe (Ecological Society of Germany, Austria &amp; Switzerland)</b> (Aug; Giessen, Germany) Graeme Cumming
<b>DIVERSITAS workshop on 'Ecosystem services and the Convention for Biodiversity's 2020 targets'</b> (Aug; Grinda, Stockholm) Graeme Cumming
<b>Loro Parques Fundacion VII International Parrot Convention</b> (Sept; Tenerife, Spain) Steve Boyes
<b>1<sup>st</sup> World Seabird Conference</b> (Sept; Vancouver, Canada) Timothee Cook, Lorien Pichegru, Mareile Techow, Viviane Barquette, Genevieve Jones, Lisa Nupen
<b>International Society for Behavioural Ecology Conference</b> (Sept; Perth, Australia) Mandy Ridley, Claire Spottiswoode, Alex Thompson
<b>NamPower/NNF Strategic Partnership Workshop: Bustards and power lines</b> (Oct; Keetmanshoop, SA) Jess Shaw
<b>2<sup>nd</sup> SAEON summit, Benchmarking environmental change observation regimes</b> (Oct; Cape Town, SA) Peter Ryan, Lorien Pichegru, Rowen van Eeden
<b>Workshop: African Penguin Biodiversity Management Plan</b> (Oct; Arniston, W Cape, SA) Lorien Pichegru, Lisa Nupen
<b>1<sup>st</sup> Annual Diamond Route Research Conference</b> (Nov; Johannesburg, SA) Andrew McKechnie
<b>Global Bird Watchers Conference</b> (Nov; Jamnagar, India) Peter Ryan



## FINANCES

### Audited Income and expenditure

A copy of the 2010 Income and Expenditure Statement shown below on page 21 is attached to the *Ernst & Young* Audit Report.

Responses to the Audit Report explanations of non-compliance:

In general, all the queries regarding compliance were of little material significance and were clarified to the auditor's satisfaction. However, one response is required for noting here, as this was not received in time by the auditors for their consideration, due to email network connection problems:

Current bullet #3, Section 1, page 2:

In terms of paragraph 3.3 of the memorandum of agreement UCT will support the COE by contributing both directly and indirectly to an amount of at least 10% of the value of the grant paid by the NRF on an annual basis. UCT did not contribute toward the COE fund in monetary terms, however management consider the non-monetary contribution to be in excess of this 10% requirement. This "in kind amount" has not been allocated to the fund in the general ledger.

Proposed bullet #3, Section 1, page 2:

In terms of paragraph 3.3 of the memorandum of agreement UCT will support the CoE both directly and indirectly. Indirect support will include the provision of the necessary infrastructure and utilities, IT and HR support and in-kind contributions. The COE management consider the in-direct "in-kind" contributions to be reasonable and adequate. The direct support will include salaries for additional staff over and above that paid for by the COE funding and funding of research activities. The direct contributions will: be new contributions; be declared in full in the financial statements of the COE; and, amount to at least 10% of the value of the grant paid by the NRF, on an annual basis. UCT contributed toward the COE fund in direct, new monetary terms to the amount of R159 705, i.e. 2,82% of the R5 658 747 total NRF grant for 2010.

## Annual carry-forward

Annual carry-forward by year, in relation to DST/NRF income and expenditure:

Year	Income	Expenditure	Carry-forward
2004	R 2,025,067	R -158,533	R 1,866,534
2005	R 4,026,434	R -2,053,076	R 1,973,358
2006	R 4,153,458	R -2,507,744	R 1,645,714
2007	R 4,026,610	R -3,201,673	R 824,936
2008	R 3,463,943	R -2,842,616	R 621,327
2009	R 3,701,280	R -3,096,507	R 604,773
2010	R 5,658,747	R -4,845,036	R 1,518,412

Expenditure in 2010 was within budget, but a large carry-forward to 2011 was unavoidable due to the award of full CoE funding late in 2010 which exceeded the budget for additional funding by ca R800 000. However, a carry-forward is useful as bridging funds for the first month of each year before the first CoE payment transfer for the year is made by the NRF.

The 2010 carry-forward was estimated at R1,500,000 which is included in the expected income for 2011 and the approved expenditure budget for 2011 closely accounts for the expected income so that a limited carry-forward from 2011 is expected.

## Distribution of CoE & Other research funds

The distribution of the CoE research funding (R11,956,780) for the projects funded by the CoE during 2010, according to the 2010 CoE approved budget, was analysed to reflect the proportion of additional funds allocated to CoE activities from other sources (Table 7) and the overall distribution of funds across the three focal research areas (Table 8). Research conducted by the PFIAO which is not at least part-funded by the CoE is excluded from the analysis. Likewise, the UCT remuneration of PFIAO staff, and the NRF CoE Corporate Operating budget are also not included.

**Table 7. 2010 distribution of research funds according to the source of funds.**

	CoE		Fitz		Other*	
	bursary	running	bursary	running	bursary	running
	2,850,000	2,966,500	285,000	2,325,000	230,000	3,300,280
Sub total		5,816,500		2,610,000		3,530,280
<b>Total</b>	<b>CoE</b>	<b>R5,816,500</b> <b>49%</b>			<b>Fitz &amp; Other</b>	<b>R6,140,280</b> <b>51%</b>

\* Other refers to funds for a project from external sources that are not reflected in PFIAO/UCT accounts

**Table 8. 2010 distribution of research funds according to fund sources and the focal research areas.**

Fund source	Research area*	1	2	3	% within source
CoE	1	1,105,135	2,035,775	2,675,590	19%
	2				35%
	3				46%
Fitz	1	150,000	85,000	2,375,000	6%
	2				3%
	3				91%
Other	1	372,000	1,713,280	1,445,000	11%
	2				49%
	3				40%
<b>Total</b>		<b>1,627,135</b>	<b>3,834,055</b>	<b>6,495,590</b>	
<b>% research area</b>		<b>14%</b>	<b>32%</b>	<b>54%</b>	

\*1 = characterising biodiversity; 2 = evolutionary ecology; 3 = maintaining biodiversity

### Comments on the distribution of CoE and other funds during 2010:

1. The research funds supplied by the NRF represent 49% (R5,816,500 of R11,956,780) of the total funds allocated to research within the CoE. This was boosted by the upgrade to fully funded CoE status.
2. The proportional distribution of research area funding from CoE funds is at variance with one-third funding per research area, with the overall variance in favour of conservation science (maintaining biodiversity – 54%), following on from the recommendations of the 2009 review panel.

**DST/NRF CoE**  
**Birds as Keys to Biodiversity Conservation at the Percy FitzPatrick Institute**  
**CASH FLOW ANALYSIS FOR THE 2010 FINANCIAL YEAR**

DESCRIPTION	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	TOTAL	Annual Budget	VARIANCE
NRF		1,285,399	480,000			1,285,399	37,152		2,570,797				5,658,747	5,658,747	0
Interest	99,928												99,928	99,928	0
Other (c/f from 2009)	604,773												604,773	604,773	0
<b>TOTAL INCOME</b>	<b>704,701</b>	<b>1,285,399</b>	<b>480,000</b>			<b>1,285,399</b>	<b>37,152</b>		<b>2,570,797</b>				<b>6,363,448</b>	<b>6,363,448</b>	<b>0</b>
Salaries	-47,831	-56,662	-56,101	-55,077	-54,326	-57,873	-54,017	-57,934	-58,590	-52,956	-62,209	-80,569	-694,145	680,000	-14,145
Student costs	-97,500	-561,000		-20,000	-187,500	-48,500	-148,000	-47,500	-167,500	-32,500	-20,000		-1,330,000	1,156,000	-174,000
Conferences (incl. Travel)			-25,929		-19,160	-88,823	-54,021	-11,483	-60,087	-8,106			-267,607	145,000	-122,607
Equipment										-706,913			-706,913	0	-706,913
Running	-36,736	-206,101	-236,406	-136,156	-171,167	-127,002	-36,923	-126,377	-103,695	-196,881	-234,272	-234,656	-1,846,371	1,888,000	41,629
<b>TOTAL EXPENSES</b>	<b>-182,067</b>	<b>-823,763</b>	<b>-318,435</b>	<b>-211,232</b>	<b>-432,152</b>	<b>-322,198</b>	<b>-292,960</b>	<b>-243,293</b>	<b>-389,872</b>	<b>-997,355</b>	<b>-316,482</b>	<b>-315,225</b>	<b>-4,845,036</b>	<b>3,869,000</b>	<b>-976,036</b>
<b>NET OUTCOME PROFIT/LOSS</b>	<b>522,634</b>	<b>984,270</b>	<b>1,145,834</b>	<b>934,602</b>	<b>502,450</b>	<b>1,465,651</b>	<b>1,209,842</b>	<b>966,549</b>	<b>3,147,474</b>	<b>2,150,119</b>	<b>1,833,637</b>	<b>1,518,412</b>	<b>1,518,412</b>		

Notes:

- 1 Balances brought fwd matche previous year's Financial Statement.
- 2 Shows actual expenditure only (excluding commitments) for all months
- 3 Reflects the entire costs of the CoE including satellite campuses
- 4 Regards income as positive cash flow and expenditure as negative cash flow

**FitzPatrick Institute CoE Financial Statements, January to December 2010**

	<b>Operating Fund</b>	<b>Invested Fund</b>	<b>All Funds</b>	
<b>Brought forward from 2009</b>		-558 241.64	146 459.48	-704 701.12
<b>Income</b>		-5 662 605.06	-31 439.79	-5 694 044.85
NRF income	-5 624 904.00			
Other income	-37 701.06			
Investment income		-31 439.79		
<b>Net transfer value</b>		1 000 000.00	-1 000 000.00	-
CR transfer	-25 000.00	-1 000 000.00		
DR transfer	1 205 000.00			
<b>Expenditure</b>		4 828 054.33		4 828 054.33
Salaries total	694 145.09			
Bursaries	1 325 670.01			
Conferences	245 837.09			
Other travel	804 793.30			
Equipment-vehicles	706 912.86			
Equipment-other	164 137.15			
Computers	169 935.89			
Running costs	118 999.85			
Field & lab costs	597 223.09			
Minor works	400.00			
<b>Carry forward to 2011</b>		-392 792.37	-1 177 899.27	-1 570 691.64
<b>Reconciliation:</b>				
SAP balance @ 31/12/2010		-354 126.90		
Advances in hand		-38 665.47		
		-392 792.37		

**Notes:**

- 1) Two motor vehicles were purchased in this period.
- 2) No non-specific transfers to other collaborators were made in 2010.
- 3) All funds carried forward to 2011 include advances in hand.

## Appendix 1: Media & profiling exposure during 2010

Whilst the 50<sup>th</sup> Anniversary was a time to reflect and celebrate a proud record of research, teaching and outreach built over 50 years of hard work and strategic planning, it was also a time to look to the future and plan for achieving even higher performance levels. During 2010, the Institute took the opportunity to engage in a number of activities to increase our public profile and consolidate our financial security. What follows is a summary of the publicity and awareness exercises that we undertook in 2010.

### General profiling activities

- The 50<sup>th</sup> Anniversary logo was used on all Fitztitute materials during 2010.
- Two 50<sup>th</sup> Anniversary banners were made and used at various events. Between events, and since, they are spanned above the Niven Library entrance and at the Fitztitute reception.
- The UCT University Development Committee (UDC) and the Communication and Marketing (C&M) Department featured the Fitztitute as a UCT Strategic Project on the UCT website under environment & biodiversity; <http://www.uct.ac.za/dad/funddev/strategic/>.
- Embroidered 50<sup>th</sup> Anniversary logos for use on clothing were and still are available for staff and students.
- 50<sup>th</sup> Anniversary logo licence disk/bumper stickers were available and distributed to staff and students, and at strategic functions.
- A Fitztitute 50<sup>th</sup> Anniversary Golf Day was held on 26 July at the Steenberg Golf Club. A great day was had with 48 golfers participating. The proceeds of the golf day covered most of the costs of the Fitztitute 50<sup>th</sup> AGM.
- The Science Faculty Marketing Committee invited Phil Hockey to present a Distinguished Alumnus lecture on Wednesday 22 September. This was pertinent as 2010 was the International Year of Biodiversity as well as our 50<sup>th</sup> Anniversary.
- A 'flashy format' 2010 Fitztitute 50<sup>th</sup> AGM, a bigger affair than usual, was held at the Steenberg Golf Club on Wednesday 11 August. Over 100 Fitztitute supporters, colleagues and students attended the presentation session and over 50 people enjoyed the special supporters' and conservation partners' dinner.

### The Fitztitute website

The website received a new look early in 2010, celebrating the 50<sup>th</sup> Anniversary.

- The website now includes PDFs of all Fitztitute articles published in *Africa Birds & Birding* since the magazine's inception in 1996 (more than 100 articles).
- The Fitztitute's scientific publications section on the website is extended all the way back to 1960: it also includes a complete list of dissertation theses.
- A special Alumni feature on the Institute's website now acts as a virtual reunion template for past staff and students and a point of access to the whereabouts of Institute alumni.
- An extensive, dedicated 50<sup>th</sup> Anniversary fund-raising page focuses on donor opportunities and offers potential donors facilities to contribute to student bursaries, research projects and bequests.
- There is also now a 'donate online' link on the Fitztitute home page to the UCT Strategic Projects URL facility.
- The new website contains details of 10 project fact sheets identifying ways that donors can support Fitztitute research work (see "Support us" and "How you can contribute"). Several of these projects received substantial financial support during 2010.
- BirdLife South Africa put a prominent hotlink to the Fitztitute site on their home page.

### Internal UCT media

- An article on the Fitztitute's 50th was included in the *UCT Alumni Magazine* (page 42).
- A full-page Fitztitute 50<sup>th</sup> Anniversary feature article was published on page 7 of the annual UCT Faculty of Science Newsletter *Contact*, Vol. 8, November 2010.
- The Fitztitute 50<sup>th</sup> AGM activities were included in the UCT milestones compiled for the *Alumni News 2010*.

## UCT website

- The VC's Open Lecture by Prof. Norman Myers "South Africa the place to be, says environmental scientist" was posted as a podcast on Wednesday 10 February 2010.
- The "New website for Fitztitute" was launched on Wednesday 17 February.
- A Fitztitute 50<sup>th</sup> Anniversary seminar by Dr Claire Spottiswoode (*University of Cambridge & Research Associate of the Fitztitute*) was held on 7 April and received coverage in 'News & Highlights' on the UCT Home Page on 20 April.
- A Fitztitute feature "Celebrate International Day for Biological Diversity" was posted on Friday 21 May to link the Fitztitute's 50 years of biodiversity work with the International Year of Biodiversity.
- Celebrating the Fitztitute 50<sup>th</sup> golf day "Birdies galore at ornithology's golf day" was posted on Wednesday 4 August.
- The Fitztitute upgrade to a fully funded Centre of Excellence was posted on Tuesday 28 September.
- "The Fitztitute and Dow Southern Africa join forces for Ground-Hornbill conservation" was posted on Thursday 4 November.
- The new Southern Ocean Islands seabird book was featured as "Birds on an island or two" on Tuesday 23 November.
- A media event hosted in the Niven Library and introduced by Phil Hockey "Airbus collaboration off to a flying start" was posted on Wednesday 24 November.
- A Fitztitute message of appreciation "UCT toasts the Mazda Wildlife Fund on its 20<sup>th</sup> Anniversary" was posted on Monday 29 November.

## Monday Paper

- C&M agreed to put the 50<sup>th</sup> Anniversary logo on the front page of each issue of the *Monday Paper* during 2010.
- A full page Fitztitute 50<sup>th</sup> Anniversary article "Half-century milestone for the Fitztitute" appeared on page 5, Vol. 29 no. 1.
- C&M published a Fitztitute website launch on page 6, Vol. 29 no. 2.
- The seminar also received an editorial piece "Arms race in bird kingdom" on page 2, Vol. 29 no. 6.
- The Fitztitute 50<sup>th</sup> Golf Day received a Sports Editorial "Birdies galore at ornithology golf day" on page 8, Vol. 29 no. 11.
- Prof. Phil Hockey's Distinguished Alumnus Lecture "Can birds survive another mass extinction?" was featured on page 2, Vol. 29 no. 14.
- The Fitztitute upgrade to a fully funded Centre of Excellence was announced on page 2, Vol. 29 no. 15.
- An Airbus press briefing held in the Fitztitute's Niven Library on 22 November unveiled groundwork modelling studies that will be conducted by Prof. Redelinghuys of the UCT Aeronautical Research Group (Dept of Mechanical Engineering) and featured the Fitztitute in an article on page 3, Vol. 29 no. 19.

## External media

- A full-colour 'one-pager', highlighting achievements (and looking for [primarily] bursary money) was published in the Oct/Nov issue of *Africa Birds & Birding* (page 22) and in the Dec/Jan issue of *Africa Geographic* (Page 40). The publishing company waived charges (of >R30 000) for this.
- The Editor of the *Full Circle* agreed to place a Fitztitute 50<sup>th</sup> banner (with logo & website address) as a footer to each Fitztitute bird article in every month during 2010.
- A full-page Fitztitute 50<sup>th</sup> article was published in the *Full Circle* (a South Peninsula monthly publication with a circulation of 25 500) in the January 2010 issue (page 10).
- Invitations to Prof. Norman Myers's VC's Open Lecture were sent to all Western Cape UCT Alumni and placed on the Fitztitute website. An overwhelming response meant that RSVPs were closed after one week. Select VIPs were invited to the VC's residence for a function after the lecture. For news snippets on the lecture see <http://www.uct.ac.za/dailynews/?id=7243> and <http://www.uct.ac.za/dailynews/?id=7253>.
- Independent Newspapers published a half-page 50<sup>th</sup> Anniversary editorial in the *Cape Argus* on 26 February, page 16: supported with advertorials by ABAX Investments,

*Africa Birds & Birding*, BirdLife SA, Mazda Wildlife Fund, Random House Struik, Western Cape Birding Forum & WWF-SA.

- A Fitztitute 50<sup>th</sup> Anniversary Golf Day invitation appeared in the *FullCircle* (June 2010, page 4).
- A promotional DVD and international, full-length documentary on the Fitztitute's ground-hornbill conservation project were completed during 2010. A shorter documentary about this project was aired on 50/50 (SABC TV) on Sunday 15 August.
- A dedicated feature article "Fifty years of the Fitztitute: an interview with Phil Hockey" was published in the *WildCard* e-newsletter in the first week of May. see <https://www.wildcard.co.za/blog.htm?action=view-post&id=1351>.
- The Fitztitute participated with an exhibition in the Leslie Social Science Building Foyer for the UCT Africa Day celebration during 21–27 May.
- Radio – once a month 50<sup>th</sup> Anniversary interviews on John Maytham's afternoon show on Cape Talk Radio. The interviews were conducted with Phil Hockey and Peter Ryan, and The Nature Conservation Corporation sponsored the radio time (R3 600 per session). The first talk took place at 15h50 on Friday 23 July, followed by talks on 27 August, 23 September, 29 October, 26 November and 31 December.
- A full-page "The Hatching and Fledging of the FitzPatrick Institute" appeared on page 20 of the August (Vol.17 no8) issue of the *FullCircle* magazine.
- Following the Fitztitute 50<sup>th</sup> AGM, journalist John Yeld wrote an editorial "Fitztitute marks 50 years of science" which was published on page 11, *Cape Argus* 26 August 2010.
- A five-page profile feature on the Fitztitute was published in *Quest* magazine (Vol. 6(2): 36-40).



## Appendix 2: Publications for 2010 (CoE members in bold type)

### Articles in SCI-ranked journals (88)

IF score = Thomson Scientific Impact Factor score

#### Characterising biodiversity (8):

Abolnik, C., Gerdes, G.H., Sinclair, M., Ganzevoort, B.W., Kitching, J.P., Burger, C.E., Romito, M., Dreyer, M., Swanepoel, S., **Cumming, G.S.** & Olivier, A.J. 2010. Phylogenetic analysis of influenza A viruses (H6N8, H1N8, H4N2, H9N2, H10N7) isolated from wild birds, ducks, and ostriches in South Africa from 2007 to 2009. *Avian Diseases* 54(Suppl. 1):313-322.  
IF 2.003

**Bowie, R.C.K.**, Sellas, A.B. & Feldheim, K.A. 2010. Development of ten highly polymorphic microsatellite markers for Sunbirds (Aves: Nectariniidae) with broad cross-amplification utility in at least eight species. *Conservation Genetics* 11:1159–1162.  
IF 1.849

Crowe, T. 2010. Phylogenetic affinities of enigmatic African galliforms: the Stone Partridge *Ptilopachus petrosus* and Latham's and Nahan's 'Francolins' *Francolinus lathamii* and *F. nahani*. *Cladistics* 26:206-206. (Abstract)  
IF 4.929

**Melo, M.**, **Bowie, R.C.K.**, Voelker, G., Dallimer, M., Collar, N.J. & Jones, P.J. 2010. Multiple lines of evidence support the recognition of a very rare bird species: the Príncipe thrush. *Journal of Zoology* 282:120-129.  
IF 1.545

**Mills, M.S.L.**, Franke, U. Joseph, G., Miato, F., **Milton, S.**, Monadjem, A., Oschadleus, D. & **Dean, W.R.J.** 2010. Cataloguing the Lubango Bird Skin Collection: towards an atlas of Angolan bird distributions. *Bulletin of the African Bird Club* 17:43-53.  
No IF

**Ryan, P.G.** 2010. First record of Chilean Skua *Catharacta chilensis* for the African region. *Bulletin of the African Bird Club* 17:217-219.  
No IF

**Ryan, P.G.**, **Nupen, L.**, Rose, B. & Suleiman, A.S. 2010. Geographic variation in Socotra Sparrows *Passer insularis*. *Bulletin of the British Ornithologists' Club* 130:75-82.  
No IF

**Techow, N.M.S.M.**, O'Ryan, C., Phillips, R.A., Gales, R., Marin, M., Patterson-Fraser, D., Quintana, F., Ritz, M.S., Thompson, D.R., **Wanless, R.M.**, Weimerskirch, H. & **Ryan, P.G.** 2010. Speciation and phylogeography of giant petrels *Macronectes*. *Molecular Phylogenetics and Evolution* 54:472-487.  
IF 3.556

#### Evolutionary ecology (29):

Bell, M.B.V., Radford, A.N., Smith, R.A., **Thompson, A.M.** & **Ridley, A.R.** 2010. Bargaining babblers: vocal negotiation of cooperative behaviour in a social bird. *Proceedings of the Royal Society B: Biological Sciences* 277:3223-3228.  
IF 4.857

Benedict, L., **Bowie, R.C.K.**, **Fuchs, J.** & MacManes, M. 2010. When non-coding is nonneutral: the role of CHD1 gene polymorphism in sexing, in phylogenetics and as a correlate of fitness in birds. *Ibis* 152:223-225.  
IF 2.123

- Boyles, J.G. & McKechnie, A.E. 2010. Energy conservation in hibernating endotherms: why "suboptimal" temperatures are optimal. *Ecological Modelling* 221:1644-1647.  
IF 1.871
- Boyes, R.S. & Perrin, M.R. 2010. Patterns of daily activity of Meyer's Parrot (*Poicephalus meyeri*) in the Okavango Delta, Botswana. *Emu* 110:54-65.  
IF 0.803
- Boyes, R.S. & Perrin, M.R. 2010. Aerial surveillance by a generalist seed predator: food resource tracking by Meyer's parrot *Poicephalus meyeri* in the Okavango Delta, Botswana. *Journal of Tropical Ecology* 26:381-392.  
IF 1.318
- Boyes, R. S. & Perrin, M. R. 2010. Nest niche dynamics of Meyer's Parrot (*Poicephalus meyeri*) in the Okavango Delta, Botswana. *Ostrich* 81:233-242.  
IF 0.254
- Cook, T.R., Kato, A., Tanaka, H., Ropert-Coudert, Y. & Bost, C.-A. 2010. Buoyancy under control: underwater locomotor performance in a deep diving seabird suggests respiratory strategies for reducing foraging effort. *Plos One* 5:e9839.  
IF 4.351
- Fischhoff, I.R., Sundaresan, S.R., Larkin, H.M., Sellier, M.J., Cordingley, J.E. & Rubenstein, D.I. 2010. A rare fight in female plains zebra. *Journal of Ethology* 28:201-205  
IF 1.222
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- Hockey, P.A.R. 2010. Too hot for feathers? *Wild* 9 (Summer 2010):62-63.
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- Hockey, P.A.R. 2010 Ready, steady, breed. *Wild* 12 (Spring 2010):64-66.
- Hockey, P.A.R. 2010 Townies and city slickers. *Wild* 13 (Summer 2010/2011):66-68.
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Peres-Neto, P. & **Cumming, G. S.** 2010. Fish ecology in the age of metacommunities: approaches, patterns and challenges. In: Gido, K., and Jackson, D. (eds), *Community Ecology of Stream Fishes: Concepts, Approaches, and Techniques*. American Fisheries Society. ISBN: 978-1-934874-14-1

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Terauds, A., Cooper, J., Chown, S.L. & **Ryan, P.** 2010. *Marion & Prince Edward: Africa's southern islands*. Sun Press, Stellenbosch. 176p. ISBN 9781920338428.

**Appendix 3: Publication outputs since 2004 by individual members of the CoE**  
Publications are listed as: first-authored (1<sup>st</sup>) or co-authored (2<sup>nd</sup>) papers in SCI-rated journals; papers in unrated journals (unrated); and semi-popular articles (popular).

Name	Degree	1st year	Depart year	Gender	Race	Publications			
						1 <sup>st</sup>	2 <sup>nd</sup>	unrated	popular
Mandiwana	Staff/PhD	2004		F	B	1	1		
O’Ryan	Staff	2006		F	B		1		
Bloomer	Staff	2004		F	W		4		1
Milton	Staff	2004	2007	F	W	4	16	11	1
Turpie	Staff	2004		F	W	1	4	5	
Bowie	Staff	2004	2007	M	W	6	22		1
Crowe	Staff	2004		M	W	3	19	1	3
Cumming	Staff	2006		M	W	9	14	2	2
Dean	Staff	2004	2007	M	W	9	15	24	1
Du Plessis	Staff	2004	2007	M	W	2	16		14
Hockey	Staff	2004		M	W	3	16	3	36
Little	Staff	2009		M	W	2			2
Lloyd	Staff	2004	2009	M	W	9	8		2
McKechnie	Staff	2004		M	W	7	6	2	25
Ryan	Staff	2004		M	W	19	56	20	88
Simmons	Staff	2004		M	W	9	4	6	22
Covas	Postdoc	2004	2006	F	W	3	4		1
Eising	Postdoc	2005		F	W	2	1		
Pichegru	Postdoc	2008		F	W	4	5		3
Ridley	Postdoc	2005		F	W	10	12		4
Rondon	Postdoc	2008		F	W	1			
Roxburgh	Postdoc	2005	2007	F	W	2		1	2
Spottiswoode	Postdoc	2005		F	W	9	5	1	2
Techow	Postdoc	2008		F	W	1			
Boyes	Postdoc	2009		M	W	5	1		2
Bruinzeel	Postdoc	2007		M	W		2		
Cook	Postdoc	2009		M	W	2	1		
Delpont	Postdoc	2005	2007	M	W	3	2		1
De Melo	Postdoc	2008		M	W	2	4	2	1
Fuchs	Postdoc	2007		M	W	4	3		1
Johannson	Postdoc	2005		M	W	2	3		
Radford	Postdoc	2004	2006	M	W	9	2		1
Taylor	Postdoc	2005	2007	M	W	2	1		
Chaskda	PhD	2007		M	B				
Kaliba	CB PhD	2007		M	B				
Lokugalapapatti	PhD	2005		M	B		2		
Baraquete	PhD	2007		F	W		1		
De Ponte	PhD	2003		F	W				
Hermann	PhD	2004		F	W				
Jones	PhD	2007		F	W	1	1		1
Nelson-Flower	PhD	2005		F	W		3		
Nupen	CB PhD	2008		F	W		2		
Petersen	PhD	2004	2007	F	W	4	4	8	1
Raihani	PhD	2004		F	W	5	4		1
Seymour	PhD	1999	2006	F	W	3	1		
Techow	PhD	2002	2007	F	W	1	1		1
Barnes	PhD	1998	2007	M	W				
Cohen	PhD	1999		M	W	1	2	1	9
Jenkins	PhD			M	W	2	4	3	30
Little	CB PhD	2007		M	W	1		1	
Loewenthal	PhD-Pd	1998		M	W				4

Thompson	PhD	2010		M	W		1		1
Wanless	PhD	2004	2007	M	W	8	5	1	9
Ndlovu	MSc	2007		M	B	1			
Mtumi	MSc	2008		M	B				
Curtis	MSc	2003	2005	F	W	2	1	1	4
Parker	MSc	2003	2006	F	W				
Lannas	MSc	2007		F	W	1			
Hampton	MSc	2007		F	W				
Biggs	MSc	2004	2006	M	W				2
Davies	MSc-PhD	2008		M	W	1	1		
Vincent	MSc	2005	2008	M	W				
Smit	MSc-PhD	2007		M	W	2	1		2
Daniels	MSc CB	2006	2007	F	B				
Ditlhobolo	MSc CB	2008	2009	F	B				
Wistebaar	MSc CB	2007	2008	F	B				
Musvuugwa	MSc CB	2008	2009	F	B				
Mzumara	MSc CB	2008	2009	F	B				
Bewana	MSc CB	2008	2009	M	B				
Boundja	MSc CB	2006	2007	M	B				
Mao	MSc CB	2004	2005	M	B				1
Maswime	MSc CB	2005	2006	M	B				
Musangu	MSc CB	2006	2007	M	B				
Osano	MSc CB	2004	2005	M	B				
Owino	MSc CB	2004	2005	M	B	1			
Raharinjanahary	MSc CB	2006	2007	M	B				
Rahlao	MSc CB	2004	2005	M	B				
Soka	MSc CB	2004	2005	M	B				
Suinyuy	MSc CB	2005	2006	M	B		1		
Babiker	MSc CB	2007	2008	M	B				
Chaudhry	MSc CB	2007	2008	M	B				
Baudains	MSc CB	2005	2006	F	W	1			
Da Silva	MSc CB	2004	2005	F	W				
Cordingley	MSc CB	2008	2009	F	W		1		
Farmer	MSc CB	2004	2005	F	W	1			
Fox	MSc CB	2005	2006	F	W	1			
Gordon	MSc CB	2006	2007	F	W				
Hamann	MSc CB	2008	2009	F	W				
Hempson	MSc CB	2007	2008	F	W				
Hill	MSc CB	2006	2007	F	W				
Humphrey	MSc CB	2007	2008	F	W				
Jenkins	MSc CB	2006	2007	F	W				2
La Grange	MSc CB	2007	2008	F	W				
Lauret-Stepler	MSc CB	2005	2006	F	W				1
Lipsev	MSc CB	2007	2008	F	W	1			
MacGregor	MSc CB	2006	2007	F	W	1			
McDonnell	MSc CB	2005	2006	F	W		1		
Napier	MSc CB	2004	2005	F	W	1			
Nupen	MSc CB	2006	2007	F	W				
Okes	MSc CB	2007	2008	F	W	2	1		
Owen	MSc CB	2004	2005	F	W				
Quayle	MSc CB	2008	2009	F	W				
Schultz	MSc CB	2006	2007	F	W				
Shaw	CB-PhD	2008	2009	F	W	2	1		
Shine	MSc CB	2005	2006	F	W				
Spear	MSc CB	2004	2005	F	W				
Stephen	MSc CB	2005	2006	F	W	1			
Thomas	MSc CB	2006	2007	F	W	1			

Vickers	MSc CB	2005	2006	F	W		
Bird	MSc CB	2006	2007	M	W		
Burnside	MSc CB	2006	2007	M	W		
Child	MSc CB	2007	2008	M	W	3	4
Dures	MSc CB	2008	2009	M	W	1	
Joseph	CB-PhD	2007	2008	M	W		2
Louw	MSc CB	2004	2005	M	W		1
Mader	MSc CB	2004	2005	M	W		
Mann	MSc CB	2007	2008	M	W		
Meek	MSc CB	2008	2009	M	W	1	
Menayas	MSc CB	2008	2009	M	W		
Puttick	MSc CB	2007	2008	M	W		
Scovronick	MSc CB	2005	2006	M	W		
Shelton	MSc CB	2006	2007	M	W		

#### Appendix 4: Complete list of students since CoE inception

Title	Surname	Citizenship	Institution	Gender	Race	Degree	1 <sup>st</sup> year	Throughput (years)	Status	Bursary	Running
										No	Yes
Ms	Mandiwana	SA	UCT	F	B	PhD	2004		Incomplete	No	Yes
Ms	Okanga	Kenya	UCT	F	B	PhD	2009		Incomplete	No	No
Mr	Chaskda	Nigeria	UCT	M	B	PhD	2007		Incomplete	No	Yes
Mr	Kaliba	Malawi	UCT	M	B	PhD	2007		Incomplete	Yes	Yes
Mr	Lokugalappatti	Sri Lanka	US	M	B	PhD	Aug 2005		Incomplete	No	Yes
Ms	Barquete	France	UCT	F	W	PhD	2007		Incomplete	No	Yes
Ms	De Ponte	Portugal	UCT	F	W	PhD	2003	6.5	Graduated	No	No
Ms	Golabek	UK	Bristol, UK	F	W	PhD	2006		Incomplete	No	No
Ms	Hermann	SA	UP	F	W	PhD	2004		Incomplete	No	Yes
Ms	Jones	SA	UCT	F	W	PhD	2007		Incomplete	Yes	Yes
Ms	Nelson-Flower	USA	UCT	F	W	PhD	2006	4	Graduated	Yes	Yes
Ms	Nupen	SA	UCT	F	W	PhD	Oct 2008		Incomplete	Yes	Yes
Dr	Petersen	SA	UCT	F	W	PhD	2004	3	Graduated	No	Yes
Dr	Pichegru	France	U Louis Pasteur	F	W	PhD	Oct 2004	4	Graduated	No	No
Dr	Raihani	UK	Cambridge, UK	F	W	PhD	2004	4	Graduated	No	No
Ms	Ribeiro	Portugal	UCT	F	W	PhD	Apr 2007		Incomplete	No	Yes
Dr	Techow	SA	UCT	F	W	PhD	2002	5.5	Graduated	No	Yes
Dr	Barnes	SA	UCT	M	W	PhD	1998	9.5	Graduated	No	No
Mr	Cohen	SA	UCT	M	W	PhD	1999		Incomplete	No	No
Mr	Flower	UK	UCT	M	W	PhD	2007		Incomplete	No	Yes
Mr	Little	SA	UCT	M	W	PhD	2007	3.5	Graduated	Yes	No
Dr	Loewenthal	SA	UCT	M	W	PhD	1998	10	Graduated	Yes	No
Mr	Mills	SA	UCT	M	W	PhD	2007	-	Withdrew	Yes	Yes
Mr	Oatley	SA	UCT	M	W	PhD	2005		Incomplete	No	Yes
Dr	Wanless	SA	UCT	M	W	PhD	Jul 2004	3.5	Graduated	Yes	No
Ms	Daniels	SA	UCT	F	B	MSc CB	2006	1.5	Graduated	No	No
Ms	Dithobolo	Botswana	UCT	F	B	MSc CB	2008	1.5	Graduated	No	No
Ms	George	Zambia	UCT	F	B	MSc CB	2009		Incomplete	No	No
Ms	Githiora	Kenya	UCT	F	B	MSc CB	2009	1.5	Graduated	No	No
Ms	Musvuugwa	Zimbabwe	UCT	F	B	MSc CB	2008	1.5	Graduated	No	No
Ms	Mzumara	Malawi	UCT	F	B	MSc CB	2008	1.5	Graduated	No	Yes
Ms	Wistebaar	SA	UCT	F	B	MSc CB	2007	1.5	Graduated	No	No
Mr	Babiker	Sudan	UCT	M	B	MSc CB	2007	1.5	Graduated	Yes	No
Mr	Bewana	SA	UCT	M	B	MSc CB	2008	1.5	Graduated	Yes	Yes

Mr	Boundja	Rep Congo	UCT	M	B	MSc CB	2006	1.5	Graduated	No	No
Mr	Chaudhry	Pakistan	UCT	M	B	MSc CB	2007	1.5	Graduated	No	No
Mr	Gichohi	Kenya	UCT	M	B	MSc CB	2009	1.5	Graduated	No	No
Mr	Kaliba	Malawi	UCT	M	B	MSc CB	2005	1.5	Graduated	No	No
Mr	Kissoon	Guyana	UCT	M	B	MSc CB	2009	1.5	Graduated	No	No
Mr	Kujirakwinja	DRC	UCT	M	B	MSc CB	2009	1.5	Graduated	No	No
Mr	Mao	Uganda	UCT	M	B	MSc CB	2004	1.5	Graduated	No	No
Mr	Maswime	SA	UCT	M	B	MSc CB	2005	1.5	Graduated	No	No
Mr	Musangu	Kenya	UCT	M	B	MSc CB	2006	1.5	Graduated	No	Yes
Mr	Mutumi	Zimbabwe	UCT	M	B	MSc	2008		Incomplete	No	No
Mr	Ndlovu	Zimbabwe	UCT	M	B	MSc	2007		Incomplete	Yes	Yes
Mr	Osano	Kenya	UCT	M	B	MSc CB	2004	1.5	Graduated	No	No
Mr	Owino	Kenya	UCT	M	B	MSc CB	2004	1.5	Graduated	No	No
Mr	Raharinjanahary	Madagascar	UCT	M	B	MSc CB	2006	1.5	Graduated	No	No
Mr	Rahlao	Lesotho	UCT	M	B	MSc CB	2004	1.5	Graduated	No	No
Mr	Soka	Tanzania	UCT	M	B	MSc CB	2004	1.5	Graduated	No	No
Mr	Suinyuy	Cameroon	UCT	M	B	MSc CB	2005	1.5	Graduated	No	No
Mr	Tuyisingize	Rwanda	UCT	M	B	MSc CB	2009	1.5	Graduated	No	No
Ms	Baudains	SA	UCT	F	W	MSc CB	2005	1.5	Graduated	No	No
Ms	Cordingley	Kenya	UCT	F	W	MSc CB	2008	1.5	Graduated	No	No
Ms	Da Silva	Canada	UCT	F	W	MSc CB	2004	1.5	Graduated	No	No
Ms	Farmer	UK	UCT	F	W	MSc CB	2004	1.5	Graduated	No	No
Ms	Fox	SA	UCT	F	W	MSc CB	2005	1.5	Graduated	No	No
Ms	Gordon	SA	UCT	F	W	MSc CB	2006	1.5	Graduated	No	No
Ms	Hamman	Germany	UCT	F	W	MSc CB	2008	1.5	Graduated	Yes	Yes
Ms	Hampton	SA	UCT - ADU	F	W	MSc	2005	3	Graduated	Yes	No
Ms	Hempson	SA	UCT	F	W	MSc CB	2007	1.5	Graduated	No	No
Ms	Hill	SA	UCT	F	W	MSc CB	2006	1.5	Graduated	No	No
Ms	Humphrey	SA	UCT	F	W	MSc CB	2007	1.5	Graduated	Yes	No
Ms	Jenkins	New Zealand	UCT	F	W	MSc CB	2006	1.5	Graduated	No	Yes
Ms	La Grange	SA	UCT	F	W	MSc CB	2007	1.5	Graduated	Yes	Yes
Ms	Lannas	Zimbabwe	UCT	F	W	MSc	2007	2	Graduated	No	No
Ms	Lauret-Stepler	Reunion	UCT	F	W	MSc CB	2005	1.5	Graduated	No	No
Ms	Lipsey	USA	UCT	F	W	MSc CB	2007	1.5	Graduated	No	No
Ms	MacGregor	SA	UCT	F	W	MSc CB	2006	1.5	Graduated	No	Yes
Ms	McDonell	Canada	UCT	F	W	MSc CB	2005	1.5	Graduated	No	No
Ms	Moseley	SA	UCT	F	W	MSc CB	2009	1.5	Graduated	No	No
Ms	Napier	SA	UCT	F	W	MSc CB	2004	1.5	Graduated	No	No

Ms	Nupen	SA	UCT	F	W	MSc CB	2006	1.5	Graduated	Yes	Yes
Ms	Okes	SA	UCT	F	W	MSc CB	2007	1.5	Graduated	Yes	Yes
Ms	Owen	UK	UCT	F	W	MSc CB	2004	1.5	Graduated	No	No
Ms	Quayle	SA	UCT	F	W	MSc CB	2008	1.5	Graduated	No	No
Ms	Schultz	Australia	UCT	F	W	MSc CB	2006	1.5	Graduated	No	Yes
Ms	Shaw	UK	UCT	F	W	MSc CB	2008	1.5	Graduated	No	No
Ms	Shine	Ireland	UCT	F	W	MSc CB	2005	1.5	Graduated	No	No
Ms	Skidmore	USA	UCT	F	W	MSc CB	2009	1.5	Graduated	No	No
Ms	Spear	SA	UCT	F	W	MSc CB	2004	1.5	Graduated	No	No
Ms	Stephen	SA	UCT	F	W	MSc CB	2005	1.5	Graduated	No	No
Ms	Thomas	UK	UCT	F	W	MSc CB	2006	1.5	Graduated	No	Yes
Ms	Vickers	Canada	UCT	F	W	MSc CB	2005	1.5	Graduated	No	No
Ms	Wilson	SA	UCT	F	W	MSc CB	2009	1.5	Graduated	No	No
Mr	Bird	SA	UCT	M	W	MSc CB	2006	1.5	Graduated	No	No
Mr	Burnside	UK	UCT	M	W	MSc CB	2006	1.5	Graduated	No	No
Mr	Child	SA	UCT	M	W	MSc CB	2007	1.5	Graduated	Yes	Yes
Mr	Davies	SA	UCT	M	W	MSc	2008	1.5	Graduated	Yes	Yes
Mr	Dures	SA	UCT	M	W	MSc CB	2008	1.5	Graduated	No	No
Mr	Heermans	USA	UCT	M	W	MSc CB	2009	1.5	Graduated	No	No
Dr	Joseph	SA	UCT	M	W	MSc CB	2007	1.5	Graduated	Yes	No
Mr	Little	SA	UCT	M	W	MSc CB	2004	1.5	Graduated	No	No
Mr	Lowe	UK	UCT	M	W	MSc CB	2004	1.5	Graduated	No	No
Mr	Mader	SA	UCT	M	W	MSc CB	2004	1.5	Graduated	No	No
Mr	Mann	SA	UCT	M	W	MSc CB	2007	1.5	Graduated	No	No
Mr	Marais	SA	UCT	M	W	MSc CB	2009	1.5	Graduated	Yes	No
Mr	Meek	USA	UCT	M	W	MSc CB	2008	1.5	Graduated	No	No
Mr	Menayas	USA	UCT	M	W	MSc CB	2008	1.5	Graduated	No	No
Mr	Puttick	SA	UCT	M	W	MSc CB	2007	1.5	Graduated	No	No
Mr	Scovronick	USA	UCT	M	W	MSc CB	2005	1.5	Graduated	No	No
Mr	Shelton	SA	UCT	M	W	MSc CB	2007	1.5	Graduated	No	No
Mr	Smit	SA	Wits	M	W	MSc	2007	2	Incomplete	Yes	Yes
Mr	Vincent	SA	UCT	M	W	MSc	2005	3	Graduated	Yes	Yes
Mr	Bewana	SA	UCT	M	B	BSc Hons	2006	2	Graduated	Yes	Yes
Ms	Braae	SA	UCT	F	W	BSc Hons	2006	1	Graduated	Yes	Yes
Ms	Brown	SA	UCT	F	W	BSc Hons	2007	1	Graduated	Yes	Yes
Ms	Inglethorpe	SA	Wits	F	W	BSc Hons	2007	1	Graduated	Yes	Yes
Ms	Laird	SA	UCT	F	W	BSc Hons	2007	1	Graduated	Yes	Yes
Ms	Lyons	SA	UCT	F	W	BSc Hons	2006	1	Graduated	Yes	Yes



Ms	Okes	SA	UCT	F	W	BSc Hons	2006	1	Graduated	Yes	Yes
Ms	Smith	SA	UCT	F	W	BSc Hons	2007	1	Graduated	Yes	Yes
Ms	Stephenson	SA	UCT	F	W	BSc Hons	2007	1	Graduated	Yes	Yes
Ms	De Abrue	SA	UCT	F	W	BSc Hons	2009	1	Graduated	Yes	Yes
Mr	Ashdown	SA	Wits	M	W	BSc Hons	2006	1	Graduated	Yes	Yes
Mr	Child	SA	UCT	M	W	BSc Hons	2006	1	Graduated	Yes	Yes
Mr	Dickens	SA	UCT	M	W	BSc Hons	2010	1	Graduated	Yes	Yes
Mr	Edwards	SA	UCT	M	W	BSc Hons	2010	1	Graduated	Yes	Yes
Mr	Fyfe	SA	UCT	M	W	BSc Hons	2008	1	Graduated	Yes	Yes
Mr	Lubbe	SA	Wits	M	W	BSc Hons	2008	1	Graduated	Yes	Yes
Mr	Mingo	SA	UCT	M	W	BSc Hons	2009	1	Graduated	Yes	Yes

**Appendix 5: Student fate report** – for all CoE-registered students graduating after 2004. The last column has been left blank for individuals for whom no response has yet been received.

Title	Surname	Citizenship	Gender	Race	Degree	Year 1 <sup>st</sup> reg.	Year grad.	Months to 1 <sup>st</sup> job	First position // current position if different
Dr	S. Petersen	SA	F	W	PhD	2004	2008	0	BirdLife/WWF Responsible Fisheries Programme
Dr	L. Pichegru	France	F	W	PhD	2004	2008	0	Postdoctoral fellow, Fitz UCT
Dr	N. Raihani	UK	F	W	PhD	2004	2008		Postdoc Fellow - Scientist, Zoological Society of London
Dr	M. Techow	German	F	W	PhD	2004	2007	0	Postdoctoral fellow, Fitz UCT
Dr	K. Barnes	SA	M	W	PhD	1998	2007	0	Self-employed in bird-watching tourism industry
Dr	D. Loewenthal	SA	M	W	PhD	1998	2007	0	Postdoctoral fellow, Fitz UCT
Dr	R. Wanless	SA	M	W	PhD	2004	2007	6	Seabird Conservation Officer, BirdLife SA
Ms	F. Daniels	SA	F	B	MSc CB	2006	2007	7	Threatened Species Research Scientist at SANBI
Ms	T. Ditlhobolo	Botswana	F	B	MSc CB	2008	2009	0	Wildlife Officer, Dept Wildlife and National Parks, Mochudi, Botswana
Ms	T. Musvuugwa	Zimbabwe	F	B	MSc CB	2008	2009	2	PhD student, CIB, U. Stellenbosch
Ms	T. Mzumara	Malawi	F	B	MSc CB	2008	2009		Environmental Education leader, Dunblane - Likhubula Partnership, Malawi / PhD student U. Stellenbosch
Ms	T. Wistebaar	SA	F	B	MSc CB	2007	2008	6	Conservation Planner, SANBI, Pretoria
Mr	H. Babiker	Sudan	M	B	MSc CB	2007	2008		PhD student, Zoology Dept, UCT
Mr	A. Bewana	SA	M	B	MSc CB	2008	2009		Marine Intern, SANParks, Port Elizabeth
Mr	R.P. Boundja	D Rep Congo	M	B	MSc CB	2006	2007	11	Technical Assistant for Wildlife Conservation Society Congo Program (DRC)
Mr	M.J. Chaudry	Pakistan	M	B	MSc CB	2007	2008	0	Wetlands Conservation Officer, WWF Pakistan
Mr	P. Kaliba	Malawi	M	B	MSc CB	2005	2006	0	Senior Ornithologist & Acting Director, Museums of Malawi, PhD student, PFIAO, UCT
Mr	A. Mao	Uganda	M	B	MSc CB	2004	2005		
Mr	T. Maswime	SA	M	B	MSc CB	2005	2006	2	SANBI GIS Technician // Principal Environmental Officer, DEAT
Mr	M. Musangu	Kenya	M	B	MSc CB	2006	2007	0	National Museums of Kenya
Mr	P. Osano	Kenya	M	B	MSc CB	2004	2005	1	Programme Manager, Improving Livelihoods Project Co-ordinator // PhD McGill Univ.
Mr	A. Owino	Kenya	M	B	MSc CB	2004	2005	0	Research Scientist, National Museums of Kenya // Research Scientist, Kenya Wildlife Service
Mr	D. Raharihanahary	Madagascar	M	B	MSc CB	2006	2007		PhD Student, Univ. of Antananarivo, Madagascar
Mr	S. Rahlao	Lesotho	M	B	MSc CB	2004	2005		PostDoctoral Fellow, Energy, Environment and Climate Change Programme, UCT
Mr	G. Soka	Tanzania	M	B	MSc CB	2004	2005	3	Associate Expert, Diversity for Livelihoods Programme - Biodiversity International

Mr	T. Suinyuy	Cameroon	M	B	MSc CB	2005	2006	2	Research assistant, UCT // PhD student, SANBI
Ms	T. Baudains	SA	F	W	MSc CB	2005	2006	0	Teaching assistant, UCT // Environmental Officer, Dept Environmental Affairs & Development Planning, CT
Ms	J. Cordingley	Kenya	F	W	MSc CB	2008	2009		PhD student, U. Bournemouth, UK
Ms	J. Da Silva	Canada	F	W	MSc CB	2004	2005	8	PhD student Univ. Stellenbosch
Ms	H. Farmer	UK	F	W	MSc CB	2004	2005		PhD student, Wits
Ms	S. Fox	SA	F	W	MSc CB	2005	2006	4	Contract SANParks//C4 Eco Solutions - partner
Ms	H. Gordon	SA	F	W	MSc CB	2006	2007	6	Intern contract position with WWF-SA
Ms	M. Hamann	Germany	F	W	MSc CB	2008	2009		Intern, Environmental Affairs, City of Cape Town
Ms	S. Hampton	SA	F	W	MSc	2005	2008	2	PhD student, Zoology, UCT
Ms	T. Hempson	SA	F	W	MSc CB	2007	2008		Conservation Manager, Sustainable Seas Trust
Ms	H. Hill	SA	F	W	MSc CB	2006	2007		
Ms	G. Humphrey	SA	F	W	MSc CB	2007	2008		
Ms	J. Jenkins	NZ	F	W	MSc CB	2006	2007		
Ms	R. La Grange/Potts	SA	F	W	MSc CB	2007	2008		Coordinator: EWT Riparian Habitat Rehabilitation project
Ms	K. Lannas	Zimbabwe	F	W	MSc	2007	2008		PhD student, Ecole Polytechnique Federale de Lausanne, Switzerland
Ms	M. Lauret-Stepler	Reunion	F	W	MSc CB	2005	2006		
Ms	M. Lipsey	USA	F	W	MSc CB	2007	2008	6	Internship, Bureau of Land Management, Montana, USA
Ms	L. MacGregor	SA	F	W	MSc CB	2006	2007	8	Vet & Research Officer, Island Cons Soc, Seychelles
Ms	Z. McDonell	Canada	F	W	MSc CB	2005	2006		Fundraiser, Peace Parks Foundation
Ms	V. Napier	SA	F	W	MSc CB	2004	2005		Environmental Manager, Strategic Environmental Focus
Ms	L. Nupen	SA	F	W	MSc CB	2006	2007		PhD student, PFIAO, UCT
Ms	N. Okes	SA	F	W	MSc CB	2007	2008		BirdLife/WWF Responsible Fisheries Programme
Ms	S.R. Parker	SA	F	W	MSc	2003	2006	-	Not formally employed – a mother
Ms	C.S. Owen	UK	F	W	MSc CB	2004	2005	0	Global Media Journalist, Save Our Seas
Ms	T. Quayle	UK	F	W	MSc CB	2008	2009		
Ms	P. Schultz	Australia	F	W	MSc CB	2006	2007	-	Maternity leave
Ms	J. Shaw	UK	F	W	MSc CB	2008	2009	0	PhD student, PFIAO
Ms	K. Shine	Ireland	F	W	MSc CB	2005	2006	0	Co-ordinating Scientist, BCLME/BENEFIT
Ms	D. Spear	Zimbabwe	F	W	MSc CB	2004	2005		PhD, U Stellenbosch // PostDoctoral Fellow, U.S
Ms	V. Stephen	SA	F	W	MSc CB	2005	2006	0	Ecologist, Earth-Touch
Ms	H. Thomas	UK	F	W	MSc CB	2006	2007		Principal Technical Advisor, WCS Programme, Congo
Ms	K. Vickers	Canada	F	W	MSc CB	2005	2006		Lecturer, Organisation for Tropical Studies study abroad program, Kruger National Park
Mr	D. Biggs	SA	M	W	MSc	2004	2006	2	Research Officer, CSIRO Sustainable Ecosystem Division, Australia
Mr	M. Bird	SA	M	W	MSc CB	2006	2007		PhD student, Zoology, UCT
Mr	R.J. Burnside	UK	M	W	MSc CB	2006	2007		PhD student, Bath Univ (UK)

Mr	M. Child	SA	M	W	MSc CB	2007	2008		PhD student, U. Cambridge
Mr	S. Dures	SA	M	W	MSc CB	2008	2009		Environmental Officer, Wilderness Safaris, Botswana
Mr	G. Joseph	SA	M	W	MSc CB	2007	2008		PhD student, PFIAO, UCT
Mr	I.T. Little	SA	M	W	MSc CB	2004	2005	1	PhD student, PFIAO, UCT – Threatened Grassland Species Programme Manager, EWT
Mr	S. Lowe	UK	M	W	MSc CB	2004	2005		
Mr	A. Mader	SA	M	W	MSc CB	2004	2005	0	Cap build for local govt / Coord Local Action for Biodiv (LAB), ICLEI-Local Govt for Sustainability initiative.
Mr	G. Mann	SA	M	W	MSc CB	2007	2008		Environmental consultant, BolandEnviro
Mr	C. Meek	USA	M	W	MSc CB	2008	2009		
Mr	A. Menayas	USA	M	W	MSc CB	2008	2009		
Mr	J. Puttick	SA	M	W	MSc CB	2007	2008		
Mr	N. Scovronick	USA	M	W	MSc CB	2005	2006		MSc Public Health student, U. London
Mr	J. Shelton	SA	M	W	MSc CB	2006	2007	8	Temping as Environmental Control Officer
Mr	Z. Vincent	SA	M	W	MSc	2005	2008		
Mr	A. Bewana	SA	M	B	BSc Hons	2006	2007	2	CB MSc student 2008-2009, UCT
Ms	Braae	SA	F	W	BSc Hons	2006	2006		
Ms	Brown	SA	F	W	BSc Hons	2007	2007		
Ms	P. De Abreu	SA	F	W	BSc Hons	2009	2009	2	CB MSc student 2010-2011, Fitz UCT
Ms	Inglethorpe	SA	F	W	BSc Hons	2007	2007	2	MSc student, UP
Ms	Laird	SA	F	W	BSc Hons	2007	2007	2	MSc student, Zoology Dept, UCT
Ms	Lyons	SA	F	W	BSc Hons	2006	2006	2	MSc, Zoology Dept, UCT, PhD student, U. Stellenbosch
Ms	N. Okes	SA	F	W	BSc Hons	2006	2006	2	MSc student, UCT
Ms	Smith	SA	F	W	BSc Hons	2007	2007		
Ms	Stephenson	SA	F	W	BSc Hons	2007	2007		
Ms	Swanepoel	SA	F	W	BSc Hons	2006	2006		
Mr	Ashdown	SA	M	W	BSc Hons	2006	2006		Price Waterhouse Coopers (biofuels, carbon trading)
Mr	M. Child	SA	M	W	BSc Hons	2006	2006	2	MSc CB 2007-2008 / PhD student, U. Cambridge
Mr	Lubbe	SA	M	W	BSc Hons	2006	2006		Environmental consultant, Ecopartners
Mr	Fyfe	SA	M	W	BSc Hons	2008	2008		MSc student, Zoology, UCT
Mr	Mingo	SA	M	W	BSc Hons	2009	2009		MSc student, CIB, U. Stellenbosch