



WWF

SOUTH AFRICA



## ENVIRONMENTAL LEADERS 2021 GRADUATE INTERNSHIP PROGRAMME

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**Are you a graduate who wants to gain valuable workplace experience, network in professional communities of practice and participate in meaningful work for the environment?**

If you have graduated in the natural, legal, engineering, business, social sciences or arts, we invite you to apply for the WWF South Africa Environmental Leaders 2021 Graduate Internship Programme.

WWF is a leading, global environmental organisation with a vision of a future in which people and nature thrive. To realise this vision, WWF South Africa invests in the development of future leaders for the environment through a year-long graduate internship placement, from 1 April 2021 to 31 March 2022. Interns are placed with WWF South Africa's environmental programmes as well as with partner organisations associated with our work. Working with a dedicated and trained mentor, you will have the opportunity to get involved with the work of the organisation with which you are placed and interact with professionals pursuing the same vision of a better world for all.

## To apply you would have

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- Completed a degree in the natural, legal, engineering, business, social sciences and/or arts. Post graduates are given first preference in placement. First degree graduates are considered only in the case of exceptional academic achievement.
- A demonstrated and clearly articulated commitment to a better and sustainable world for all.
- A commitment to career development in the environment sector.
- A record of exceptional academic and professional achievement.
- Exceptional leadership potential.

*To support the growth of inclusivity and diversity in the environment sector, Black South African graduates are strongly encouraged to apply.*

## To submit an application

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- Apply online through WWF South Africa's [secure application portal](#) or download and complete the [application form](#).
- Review the placement opportunities below and then motivate for your three preferred placements, in the application form.
- Upload or attach the following documentation, in a single merged PDF file, to support your application:
  - Certified copy of your ID or passport.
  - Certified copies of your academic transcripts only.
  - An abridged CV of no more than 2 pages.
- Do not submit any additional documentation with your application, other than those specified.
- Submit your completed application, with supporting documentation, either through the online portal or via [email](#) to Mrs. Lameez Bayat at WWF South Africa.

**Deadline: 16:00 on Monday 31 August 2020**

No late applications will be accepted.

*WWF South Africa cannot guarantee placement, but will endeavour to place interns in an opportunity relevant to their academic background and career interest.*

*Communication will be entered into with shortlisted candidates only. Should you have had no response by 15 December 2020, please consider your application unsuccessful.*

# 2021 INTERNSHIP OPPORTUNITIES

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## **Agricultural Consultants**

study and advise farmers, agricultural business, rural industries and government on the production, processing, and distribution of farm products.

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## **Biotechnologists**

study the anatomy, physiology and characteristics of living organisms and isolated biological molecules and develop new materials for applying to a range of purposes.

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## **Conservation Scientists**

perform tests and experiments and provide technical support functions to assist Environmental Scientists and Technologists in research and teaching.

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## **Ecologists**

develop and implement programs and regulations for protecting fish, wildlife and other natural resources.

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## **Environmental Economists**

perform economic research and analysis, develop and apply theories about production and distribution of goods and services, spending and financial behaviour and provide advice to governments and organisations on subjects relating to economic policies.

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## **Environmental Managers**

plan, organise, direct, control and coordinate the development and implementation of environmental management systems by identifying and responding to environmental issues such as pollution and waste treatment in compliance with environmental legislation.

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## **Environmental Science Technicians**

perform tests and experiments and provide technical functions to assist Environmental Scientists and Technologists in research and teaching.

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## **Geneticists**

study the anatomy, physiology and characteristics of living organisms and isolated biological molecules and develop new materials for applying to a range of purposes.

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## **Life Science Technicians**

identify and collect living organisms and conduct field and laboratory studies in support of Life Scientists and Technologists.

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## **Marine Biologists**

study the anatomy, physiology, functions, characteristics, behaviour, and environments of all forms of life living in the sea and connected water bodies.

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## **Sustainability Managers**

plan, organise, direct, control and coordinate sustainability or environment-related risk assessments, develop methodologies to assess the viability or success of sustainability initiatives and the monitoring and evaluation thereof.

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## **Taxonomists**

study the anatomy, physiology, biochemistry and ecology of living organisms.

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## AGRICULTURAL CONSULTANT

### Living Lands

Wolseley

Living Lands is a non-profit organization whose mission is to conserve and restore living landscapes, consisting of a variety of healthy ecosystems, social systems and agriculture managed to function sustainably. This ensures natural and cultural resources are available for future generations and adapt for climate change resilience.

*One intern will assist the organisation with agricultural extension to promote regenerative, inclusive and sustainable agriculture amongst small-holder and commercial farmers. Work areas include engaging with stakeholders, reviewing policies and research.*

*A second intern will support the organisation with indigenous plant production and management, both from the wild and in cultivated settings. Key work areas will include developing and implementing trials and tests and database management.*

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### The Spar Group

Pietermaritzburg

The Spar Group is a wholesaler and distributor of goods and services to Spar supermarkets, building material outlets, Tops at Spar liquor stores and Pharmacy at Spar pharmacy and healthcare outlets across southern Africa. The relationship between Spar and its independent retailers is one of a voluntary trading partnership.

*The intern will be required to support the development of sustainable rural hubs that support small scale farmers to participate in the Spar value chain while implementing sustainable agricultural practices. The intern will be involved with stakeholder engagement, supporting training and providing technical support to small holder farmers.*

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## BIOTECHNOLOGIST

### South African National Biodiversity Institute (SANBI)

Pretoria

SANBI leads and co-ordinates research as well as monitoring and reporting on South Africa's biodiversity. Deriving its mandate from the National Environmental Management: Biodiversity Act of 2004, they focus on the management and conservation of biological diversity and the sustainable use of indigenous biological resources.

*The intern will assist with the collection, processing, banking and curating of various biomaterials. This will include data capturing, analysis, and managing technical aspects of the Biobank. Specific work areas include sample processing and management and assisting various projects through the Biobank.*

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## CONSERVATION SCIENTIST

### South African National Parks (SANParks)

Skukuza

SANParks' Conservation Services Division aims to strengthen the national and global conservation estate, effectively manage ecosystems, species and cultural heritage resources and promote equitable sharing and sustainable use of biological resources. Our dynamic team works closely with Park Managers to develop and implement solutions to a broad range of exciting conservation challenges.

*One intern will be involved in monitoring, mapping and assessing interventions that deal with alien species. He or she will support spatial distribution monitoring of alien plants by analysing trends. The intern will also verify species through identification and maintain the database. Key work areas will include database maintenance, updating the data repository and analyse trends and spatial distribution of alien plants.*

*A second intern will be involved in cataloguing samples and setting up a new Biobank database. He or she will process and catalogue retrospective and prospective biological samples, monitor the samples and ensure sample integrity and bioavailability. The intern will also be responsible for collation of metadata and providing samples in support of research projects. In particular the intern will be involved with database maintenance, laboratory and field work and cataloging samples.*

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### TRAFFIC

Pretoria ■ Cape Town

TRAFFIC, a wild species trade monitoring organisation, works to ensure that the trade in wild animals and plants is not a threat to conservation. They actively monitor and investigate trade in wild species and provide information to diverse global audiences to inform the development of effective conservation policies and programmes. TRAFFIC works in a strategic alliance with WWF-SA and the International Union for Conservation of Nature (IUCN) and is an international non-governmental organisation.

*One intern will assist with convening extensive stakeholder consultation to develop a Biodiversity Management Plan for the Pelargonium sidoides species. Specific work areas will involve literature reviews, stakeholder engagement, undertaking fieldwork and supporting the programme administratively.*

*A second intern will assist with research on the legal and illegal trade in marine species and related products, which will include desktop research and literature reviews. He or she will also be involved with primary research involving engagement with a range of stakeholders across the marine wildlife value chain. The intern will also support other projects, support the development of awareness-raising and training materials and organise project related workshops and meetings. In summary, the key work areas will include research support, data analysis, technical writing and administrative support.*

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### WWF South Africa

Cape Town

WWF works towards a future in which people and nature thrive. Through six key outcomes in diverse contexts of production and consumption, water, climate action, just transitions, finance and corporates and local governance, WWF South Africa seeks to deliver lasting outcomes to people and nature in priority land and seascapes and in relation to key environmental challenges to which it seeks to respond.

*The intern in this placement will be involved in the organisation's monitoring and evaluation of its environmental outcomes and impact. He or she will work across all programmes and projects, supporting data collection and management, analysis and evaluation and reporting. Key work areas will include planning for and undertaking data collection, managing datasets and assisting processes of accessing relevant data for monitoring and evaluation and reporting.*

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## ECOLOGIST

### Eastern Cape Parks and Tourism Agency

East London

Eastern Cape Parks and Tourism Agency works toward conserving biodiversity and supporting tourism that promotes sustainable development. For this it seeks to leverage resources for tourism and conservation with respect, integrity and responsibility.

*Based at its head office, the intern will be working closely with Ecologists and Technicians in the Scientific Services Unit. The intern will be involved in research and monitoring programmes of priority taxa. Field work is a key component of this placement. Key work areas will include research support, providing ecological advice, stakeholder engagement and providing administrative support.*

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### Flower Valley Conservation Trust

Gansbaai

Flower Valley Conservation Trust is a registered non-profit organisation and public benefit organisation, established in 1999 with a core focus on fynbos conservation and early childhood development. Our vision is to have a fynbos filled future for life and livelihoods.

*Based at the Flower Valley Farm which boasts 540ha of pristine fynbos, the intern will support the implementation of the conservation management plan to ensure effective resource use and conservation, management of fire and alien species, biodiversity monitoring, sustainable extraction of wild products, management of forests, wetlands and fynbos ecology and assisting with educational excursions for visitors, volunteers and students. The key work areas include biodiversity research and monitoring and environmental education.*

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### South African National Parks (SANParks)

Knysna

SANParks' Conservation Services Division aims to strengthen the national and global conservation estate, effectively manage ecosystems, species and cultural heritage resources and promote equitable sharing and sustainable use of biological resources. Our dynamic team works closely with Park Managers to develop and implement solutions to a broad range of exciting conservation challenges.

*The intern will be responsible for estuarine and marine socio-ecological research and monitoring, data management and analysis. He or she will also undertake field work including roving creel surveys of estuarine and marine resource use, assist in the processing and archiving of baited remote underwater video deployments and assist with the reef fish community. The specific work areas include fieldwork, community monitoring, data processing, analysis and management and research administration support.*

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### Wildlands Conservation Trust

Pietermaritzburg

Wildlands Conservation Trust is a Southern African non-profit organisation with a vision of a "Sustainable Future for All". By working at the interface between environmental conservation and socio-economic advancement, it aims to support resilient ecosystems through the development and facilitation of innovative solutions which promote inclusivity and sustainable development.

*The intern will assist with co-ordinating, implementing and reporting in various restoration and conservation programmes across several sites. The placement includes some GIS mapping for project planning and reporting. The intern will support the implementation of project plans and monitoring and evaluation for reporting. He or she will also contribute relevant and current project information to the marketing team for communications. Key work areas will include stakeholder engagement, monitoring and evaluation and administrative support.*

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## ENVIRONMENTAL ECONOMIST

### South African National Biodiversity Institute (SANBI)

Pretoria

SANBI leads and co-ordinates research as well as monitoring and reporting on South Africa's biodiversity. Deriving its mandate from the National Environmental Management: Biodiversity Act of 2004, they focus on the management and conservation of biological diversity and the sustainable use of indigenous biological resources.

*The intern will work to support the team in advising the Minister of Environment, Forestry and Fisheries on sustainable use and trade in wildlife. Key work areas will include sourcing and reviewing literature, research assistance and administrative support in convening meetings.*

## ENVIRONMENTAL MANAGER

### Eastern Cape Parks and Tourism Agency

East London

Eastern Cape Parks and Tourism Agency works towards conserving biodiversity and supporting tourism that promotes sustainable development. For this it seeks to leverage resources for tourism and conservation with respect, integrity and responsibility.

*Working with the Protected Area Expansion Unit, the intern will work closely with and support the Environmental Planner. Key areas of work that the intern will be involved with include undertaking and managing environmental impact assessments, planning for mainstreaming biodiversity, GIS mapping, stakeholder engagement and advising projects and programmes on relevant environmental policies and legislation.*

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### South African National Parks (SANParks)

Port Elizabeth

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*The intern will provide legal support to the contractual national park agreements' review and revision process. He or she will support the review and updating of existing contractual park agreements and land administration databases. The intern will co-ordinate title deed endorsement processes for contractual national park agreements and support the legal processes to declare land as national parks. Specific work areas will include database management and maintenance, contract reviewing and drafting and administrative support.*

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## ENVIRONMENTAL SCIENCE TECHNICIAN

### African Climate and Development Initiative

Cape Town

The African Climate & Development Initiative (ACDI) is the University of Cape Town's collective response to the challenge of climate change in the context of sustainable development in Africa. ACDI is an institute that brings academics and non-academics together to co-produce research to solve Africa's climate and development challenges.

*Working from the UCT campus, two interns will be involved with cutting edge research on observed and projected climate change impacts and adaptation in Africa and globally. They will similarly be involved in communicating research results to different audiences. Key work areas will include undertaking literature reviews, analysing data and maintaining databases and making inputs into reports.*

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### The Green House

Cape Town

The Green House is a sustainability consulting firm based in Cape Town, working on a wide range of energy, climate change and sustainability-related projects including strategic energy planning, carbon foot printing, and life cycle assessment. The strength of its consulting team lies in its engineering background and strong quantitative skills.

*The intern will be involved with research-based projects for national and provincial government, NGOs and corporates. Many projects involve some degree of systems modelling and quantitative analysis. Depending on TGH's projects at the time, work could include sustainability strategies, analysis of climate risks and opportunities, life cycle assessments and policy analyses. More specific work areas include literature reviews, data analysis, reporting and supporting administration in the organisation.*

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## GENETICIST

### South African National Biodiversity Institute (SANBI)

Pretoria

SANBI leads and co-ordinates research as well as monitoring and reporting on South Africa's biodiversity. Deriving its mandate from the National Environmental Management: Biodiversity Act of 2004, they focus on the management and conservation of biological diversity and the sustainable use of indigenous biological resources.

*The intern will assist in literature reviews and collating data, compiling reports, laboratory analysis comprising of DNA extraction, sequencing, genotyping and PCR. Laboratory assistance will include monitoring of fridge/freezer temperatures, packing tips, autoclaving, analysis of databases and alignment of sequence data. Key work areas include undertaking literature reviews, conducting routine laboratory analysis, data analysis and overall assistance in laboratory management.*

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## LIFE SCIENCE TECHNICIAN

### South African Institute for Aquatic Biodiversity (SAIAB)

Grahamstown

SAIAB is an internationally recognised centre for the study of aquatic biodiversity. It is a major scientific resource for understanding the biodiversity and functioning of globally significant aquatic ecosystems. SAIAB focuses on the full spectrum of aquatic environments from marine offshores to continental freshwater catchments. Its research covers ecology and conservation biology that links biodiversity at a molecular and organism level to the environment, genetics and species diversity.

*The intern will assist with the preparation of lab reagents, operation of the DNA sequencer, stock-taking and ordering of lab supplies, calibration of equipment and assistance with lab work. Key work areas will include research support, procurement and administrative support.*

## MARINE BIOLOGIST

### South African National Parks (SANParks)

Cape Town

SANParks' Conservation Services Division aims to strengthen the national and global conservation estate, effectively manage ecosystems, species and cultural heritage resources and promote equitable sharing and sustainable use of biological resources. Our dynamic team works closely with Park Managers to develop and implement solutions to a broad range of exciting conservation challenges.

*The intern will support and assist with marine biodiversity research and monitoring in the Table Mountain, West Coast, Robben Island and Namaqua Marine Protected areas. The intern will also assist with writing reports and developing data management plans as well as assisting with asset management. Key work areas will include data collection, management and analysis, report writing and administration.*

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### Two Oceans Aquarium, Marine Biologist

Cape Town

The Two Oceans Aquarium situated in Cape Town's popular V&A Waterfront has a 25-year history of inspiring people to care about our oceans. The Two Oceans Aquarium Education Foundation, operating alongside the aquarium, is a registered non-profit organisation with public benefit status for various environmental education, conservation, research and welfare activities. The aquarium and foundation are key players in raising environmental awareness through high-quality exhibits, conservation and education programmes (including marine research) and sustainability initiatives.

*Two interns based at the aquarium will be involved in aquarium science - husbandry, collections management and animal health. They will assist with conservation programs, turtle rehabilitation and marine wildlife management within the waterfront and marine research. They will be involved in internal research projects, animal health and jellyfish culture as well as various external research projects. They will also be exposed to environmental education by participating in both hands-on education programmes as well as outreach and public education programmes. Key work areas include research and environmental education.*

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## SUSTAINABILITY MANAGER

### IBIS Consulting

Cape Town

IBIS was established in 2015 with the mission of contributing to the sustainable development of Africa by helping clients unlock value and improve environmental and social performance. Its business is in sustainable finance providing for due diligence and advisory services and systems and strategy support to financial sector clients investing in Africa. It also consults to industry clients with corporate consulting capabilities in climate change, resource efficiency and sustainability reporting and assurance.

*This placement includes providing technical skills and support for social impact measurement, social baseline data collection, research and external factor review and supporting teams doing facilitation and stakeholder engagement, carbon footprint measures, climate change strategy and sustainability systems development and data assurance. The intern will also support with general administration and business development tasks such as the compilation of company profiles, statements of qualification, experience listings and other marketing materials, amongst others. Key work areas will include research, data analysis, stakeholder engagement and proposal and report writing.*

## TAXONOMIST

### South African National Biodiversity Institute (SANBI)

Pretoria

SANBI leads and co-ordinates research as well as monitoring and reporting on South Africa's biodiversity. Deriving its mandate from the National Environmental Management: Biodiversity Act of 2004, they focus on the management and conservation of biological diversity and the sustainable use of indigenous biological resources.

*One intern will be responsible for curatorial activities including data collection, cleaning and curation. He or she will also do basic taxonomic research in small research projects, contribute to scientific publications and engage with popular article writing to convey scientific information to the general public. Key work areas include research, curation and scientific compilation.*

*A second intern will be involved with biosystematic research and related duties. The research project seeks to investigate the reasons for the listing of a large number of threatened species. The intern will be responsible for compiling a database of each species along with the information that is currently known about each and what is the problem that needs to be solved before a conservation assessment can be undertaken. Key work areas will include curation, database maintenance, scientific and report writing.*

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