



# CLIMATE CHANGE CAPACITY BUILDING

## OPPORTUNITIES FOR SEYCHELLOIS

As a small island developing state, Seychelles is extremely vulnerable to the impacts of climate change, such as sea level rise, saltwater intrusion, heavy rains and flooding, coral bleaching and droughts. A capacity needs assessment recently completed by the GCCA+ program has identified a need for climate change training to help individuals and organisations from diverse sectors better prepare for present and future impacts of climate change. There is a vast array of in-person and online training opportunities available locally, regionally and internationally. Some consist of short modules or courses for professional development while others may lead to undergraduate or graduate degrees. This report provides a snapshot of some of the opportunities currently available to Seychellois, including scholarships, but it is just a starting point! Readers are encouraged to do their own research, particularly if they are looking for specific training in a specialized field related to climate change, as new opportunities arise regularly and others may dry up. Some of the websites and links provided here should help to get you started.

### FUNDING SUPPORT FROM THE ANHRD

For Seychellois currently residing in the country, the Agency for National Human Resource Development (ANHRD) is your first stop if you are looking for funding support for either a degree program or a short course. Make an appointment with the ANHRD to discuss funding options that may be applicable to you. Other possible funding options and scholarships are listed below.



### CONTACT



Le Chantier Mall, Victoria, Mahe  
Phone : [248] 442 3300  
Email : [webinfo@anhrd.sc](mailto:webinfo@anhrd.sc)  
<http://www.anhrd.gov.sc/>

## GCCA+ Capacity Building Program in Seychelles

### GCCA+ WORKSHOPS



The GCCA+ Project in Seychelles capacity building program will be on-going until April 2020, and offers a series of short workshops for professionals in different sectors, focused on climate change issues. Many of these workshops are offered in collaboration with other local organisations. Check our Facebook page regularly for notices about upcoming workshops in 2019. Here are a few examples coming up:

1. Cost-Benefit Analysis for Climate Change – March 25-27, 2019 – introductory course in applying CBA to climate change planning – for senior executives, program and finance managers. Venue: UNDP Project Coordinating Unit, Le Chantier Mall.
2. Climate Change and Construction – Introductory workshop for planners and contractors. April 23rd, 2019. Venue: Seychelles Institute of Technology.
3. Climate Change and Health – Introductory workshop for health professionals. April 16th, 2019. Venue: TBC.

### GCCA+ MANUALS



The GCCA+ has produced a few manuals for capacity building, which are available online:

1. Manual on Seasonal Forecasting (using SEAFORDS tool). January, 2019. Available [here](#)
2. A Guide for Seychellois Climate Change Negotiators. February, 2019. Available [here](#)

## University of Seychelles Short Courses in Climate Change

The University of Seychelles offers a 12-week course in Climate Change Mitigation and Adaptation at both undergraduate and graduate levels. While these courses form part of their BSc Honours in Environmental Science and MSc in Marine Science and Sustainability respectively, individuals with the required background can take either one as a stand alone course to upgrade their knowledge of climate change mitigation and adaptation. The courses are generally delivered through weekly 3-4 hour lectures, spanning a period of approximately 12 weeks. For more information about course timing, costs and application procedures, please contact the [University of Seychelles registrar](#).





## Online Short Courses

### A SAMPLER OF FREE SHORT COURSES ON CLIMATE CHANGE AVAILABLE ONLINE

Course and link	Offered by	Description
<a href="#">Climate Change</a>	Macquarie University (Australia) via Open2Study	Introductory course about climate change causes, impacts and solutions. 4 weeks@4 hours per week
<a href="#">Climate Change: The Science</a>	University of British Columbia (Canada) via edX	An introduction to climate science basics looking at flows of energy and carbon in Earth's climate system, how climate models work, climate history, and future forecasts. 7 weeks@ 2-5 hours per week.
<a href="#">Climate Adaptation in Africa</a>	University of Capetown	An introductory, interdisciplinary course for technicians, and managers which examines adaptation in theory and in practice, through a focus on four sectors Water Security, Agriculture and Food Security, Ecosystems and Ecosystem Services and Resilient Cities. 4 weeks.
<a href="#">Planning for Climate Change in African Cities</a>	African local government academy; Erasmus university Rotterdam;	An introductory course targeting planners, with a focus on resilience in the built environment. 4 modules, 5 weeks@4 hours per week.
<a href="#">Act on Climate: Steps to Individual, Community, and Political Action</a>	University of Michigan via Coursera	The course focuses on how to translate learning into action on climate change in the areas of food, energy, transportation and the built environment (cities). 7 weeks@ 4 hours per week.
<a href="#">Climate Change Education</a>	Inter-American Development Bank via edX	A course to help primary and secondary school teachers teach climate change in an engaging and participatory way. 7 weeks@ 4 hours per week.
<a href="#">The Impact of Climate Change on Public Health</a>	EIT Health via FutureLearn	A course for health professionals or researchers, to explore the impact of climate change on public health and the methods used to evaluate the continuously emerging data in this field. 4 weeks@ 4 hours per week
<a href="#">Climate Change Science and Negotiations</a>	Independent Taught by Emmanuel Guerin and Jeffrey Sachs	The course focuses on how countries can transition to a low carbon economy by 2050. Focus on mitigation negotiations. 10 weeks@ 4-6 hours per week.
<a href="#">International Climate Change Law and Policy</a>	University of Newcastle via edX	A course to critically assess Environmental Economics theory and its application to climate change policy, including the use of market-based policy approaches such as environmental taxes and emissions trading. 4 weeks@ 2-3 hours per week.
<a href="#">Climate Science and Policy</a>	University of Queensland via edX	A course to help learners understand the size of the climate change problem and policy options that could start to make a difference. 10 weeks



## PLATFORMS TO HELP YOU FIND THE RIGHT ONLINE COURSE IN CLIMATE

These websites are good platforms to start looking for the online climate change course that might be right for you.

### edX

Founded by Harvard University and MIT in 2012, [edX](#) is an non-profit, open source online learning destination and MOOC (massive open online course) provider, offering high-quality courses from the world's best universities and institutions to learners everywhere. It has links to courses on hundreds of different topics,

### International Labour Organisation – International Training Centre

The [ILO-ITC](#) provides a range of training courses on-site in Turin, and online to develop human resources and institutional capabilities. There is a fee for most of the courses but you can apply for a scholarship to help cover costs or check for funding support from the ANHRD. Here is one upcoming course related to climate change:

Promoting a just transition to low-carbon and climate-resilient development (Online and In Person Course) 13 - 17 May 2019 [<https://www.itcilo.org/en/areas-of-expertise/green-jobs/promoting-a-just-transition-to-low-carbon-and>]. The aim of this 3 week course targeting Ministries of Labour, Planning, Environment, Climate Change etc., is to strengthen institutional and individual capacities to support a just transition to environmentally sustainable economies and societies. The first two weeks are distance learning, followed by one-week workshop in Turin, Italy. Cost is € 2,250, including tuition

### Class Central and Coursera

[Class Central](#) and [Coursera](#) are good sites to search for online short courses on climate change that might suit your needs. Coursera can also be used to search for degree programs in climate change (these are not free).

### Green Growth Knowledge Platform

The [Green Growth Knowledge Platform](#) (GGKP) is a global community of organisations and experts committed to collaboratively generating, managing, and sharing green growth knowledge – to decouple environmental degradation from economic growth. Led by the Global Green Growth Institute (GGGI), the OECD, UNEP, UNIDO and the World Bank Group.

They promote a wide range of courses and online learning opportunities, including webinars.

### UN CC:Learn

This is a partnership of more than 30 multilateral organizations supporting countries to design and implement systematic, recurrent and results-oriented [climate change learning](#). They have a wide range of self-paced climate change e-learning courses of different lengths that are completed online for free. For example, their [introductory e-Course on Climate Change](#) includes the following modules: Climate Change Science; International Legal and Policy Framework for Climate Change; Climate Change Adaptation; Climate Change Mitigation; Climate Change Finance; Planning for Climate Change.

### Citizen's Climate University

This [site](#) is hosted by an American organisation, Citizen's Climate Education and has tools for self directed learning including online content, webinars, podcasts, instructor-led training, as well as a series of free instructional videos on YouTube on the following topics for people needing to brush up on the basics: Climate Science 101; Ocean and Climate Interaction; Ocean Acidification; The Oceans and Global Change; Black Carbon; Carbon Capture and Sequestration

## Undergraduate Degrees in Climate Change

Many universities around the world offer degrees in environmental studies, environmental science or sustainable development, that allow for specialization in climate change issues – including the University of Seychelles. If you require funding support for your studies, the best place to start looking for a program is the ANHRD since they have a list of scholarships from different countries that you may be eligible to apply for. Starting with this list of countries, you can search for degree programs that specialize in climate change.



### University of Seychelles BSc Environmental Science - RESIDENTIAL

This is not specifically a degree in climate change but climate issues are integrated into many of the courses. All students take a mandatory course in climate change mitigation and adaptation in the final year (which can also be taken as a stand-alone course by part-timers).

## Graduate Programs in Climate Change

There are many Masters and PhD programs around the world that specialize in climate change! Some Many Masters degrees are available online, while PhD's generally require overseas study. Below is a sample of just a few programs that are currently on offer, mostly at Masters level. Some are residential while others are delivered online. Some universities offer scholarships and bursaries to help international students cover part or all of their studies but most of these scholarships are competitive. Be sure to check with ANHRD about funding support!



### RESIDENTIAL (IN PERSON) MASTERS PROGRAMS IN CLIMATE CHANGE

#### Wageningen University, Netherlands – Climate Studies Masters Program

Under the Africa Scholarship Program, Wageningen University offers 5 full scholarships given each year to cover all costs of a 2-year Masters program in any field, including their [Climate Studies program](#). All African countries are eligible to apply, including Seychelles. The deadline is February 1st each year, and the program starts in September.

For more information, check [here](#)

#### University of Malta – Post Graduate Studies

The University of Malta usually offers scholarships each year for Seychellois to undertake post-graduate studies in a range of climate change related fields including: Adaptation and Resilience to Climate Change, Good Governance of Climate Action, Low Carbon Economy. For more information about these courses, check this document. Please contact the ANHRD for up to date information about scholarship availability and how to apply

#### Khalifa University - Masdar Institute of Science and Technology (MI)

MI offers Masters and Doctoral degrees in renewable energy technologies. Scholarships for Masters students are available from IRENA to 20 international students each year. (See scholarships section below).

#### \*\*NEW\*\* University of Seychelles – MSc in Marine Science and Sustainability

This new 13-month program starting in September 2019 offers opportunities for graduates to specialize in climate change as it relates to marine science, coastal adaptation and sustainable development.

For more information [contact](#)

#### University of Capetown - Masters in Climate Change & Development

This is a one-year in [person program](#) and because Seychelles is a member of SADC, applicants will pay local tuition fees. The deadline for applications is 31st of August each year.

### ONLINE MASTERS DEGREES IN CLIMATE CHANGE

#### University of Edinburgh - PG Certificate in Climate Change Management

This ten month online program affiliated with the University's Global Environment & Society Academy (GESA) provides high-level knowledge and skills in the science, business and policy of climate change management. It is designed for graduates who want an advanced academic qualification in tackling climate change in business, industry, NGOs and government. More information available [here](#).

Some scholarships are available [here](#).

#### SOAS University of London

SOAS offers a couple of online Masters degrees in online course. More information available at: [MSc Global Energy and Climate Policy](#) and [MSc Climate Change and Development](#)

(also available as PG Diploma or PG Certificate)

#### Green Business Certification Inc. – City Climate Planner Post Graduate Certificate Program

This [program](#) for city climate planning professionals helps city staff and their partners develop the skills needed to advance local climate action in cities worldwide. Led by Green Business Certification Inc. (GBCI) based in the USA, in partnership with World Resources Institute and ICLEI - Local Governments for Sustainability. The program costs about 450 USD and you must have experience with greenhouse gas inventory development to be eligible.

This certification is good for 5 years and is internationally recognized.

## International Scholarships and Internships



### Intergovernmental Panel on Climate Change (IPCC) scholarship program for developing countries

The [IPCC Scholarship Programme](#) provides scholarships for PhD students (already at least one year into their program) from developing countries for research that advances the understanding of the scientific basis of risks of climate change, its potential impacts and options for adaptation and mitigation. The call for applications for the 5th round of scholarship awards is open from 22 February 2019 and closes 22nd March 2019 at midnight CET. To apply, register via the [application portal](#) and take note of all of the documents required. For more information contact [IPCC-SP@wmo.int](mailto:IPCC-SP@wmo.int)

### UNFCCC - Personnel Assignment from External Sources

The UNFCCC has several different [programs](#) to build capacity for climate change:

- Early Career Joint Fellowship Programme – mainly for young professional women from LDC's, working towards a PhD
- Junior Professional Officers – work for the UN Climate Change Secretariat for two years to gain experience. Must have a Masters degree related to climate change and be under 32 years of age.
- Internships with the UN Climate Change Secretariat – must be already enrolled in a Master's or PhD programme at a University. Internships last from two to six months and are not remunerated.

Check [here](#) for updated opportunities for UNFCCC and deadlines.

### AOSIS Climate Change Fellowship Program

This [one-year program](#) supported by the Government of Italy was set up to address the challenges SIDS face in climate change negotiations, and build lasting capacity in AOSIS (the Alliance of Small Island States) member governments. Fellows receive comprehensive training in climate change issues, and are expected to return to their home country and continue to engage on these issues and in the UNFCCC process. AOSIS covers all expenses and pays a stipend. As of 2018, two Seychellois youth have already participated! Applicants should have a relevant degree and some experience, and be between 25-35 years of age.

### UNDP / UNESCO / BMU International Postgraduate Training Programme on Environmental Management for Developing & Emerging Counties

Each year 21 scholarships are offered to people from developing and emerging countries to participate in either a 6-month course in environmental management or 3 short courses on varying topics. Call for applications starts in February. Info on the courses is available [here](#). Apply through the ANHRD.

### The Canadian Francophonie Scholarship Program (CFSP)

Study climate change in Canada in French! This is a [scholarship program](#) designed to build institutional capacities by training employed nationals from developing countries of the Francophonie. The program gives priority to lecturers in technical and vocational education, university personnel, and managers in the public and private sectors. Can be used for university degrees, vocational studies or short-term internships, at Canadian Francophone Universities. Apply through ANHRD.

### Commonwealth Scholarships for PhD study in the UK

Although Seychelles is no longer eligible for the regular Commonwealth Scholarships this is a special program for students from high-income Commonwealth countries to do their PhD at a UK University. This is the [link](#) to the scholarship program.

To find a suitable PhD program in the UK, you need to find universities in the UK with PhD programs specializing in climate change: Use the [site](#) and search for PhD programs in [climate change](#), e.g.

### IRENA Scholarship Program for International Students

Khalifa University of Science and Technology offers Graduate Research / Teaching Assistant (GRTA) scholarships funded by the UAE Government to support 20 qualified international students from various countries, enrolled in graduate programs at the Masdar Institute of Science and Technology each year. The scholarship provides generous remuneration and benefits including tuition, medical coverage and a stipend. For more information contact the ANHRD or check the Khalifa University [website](#).

The scholarship program also offers various opportunities in addition to the Masdar Institute Scholarship including support to attend high-level lectures on the latest developments in the field of renewable energies, short term assignments to scholars, opportunities for participation in IRENA events; internships.