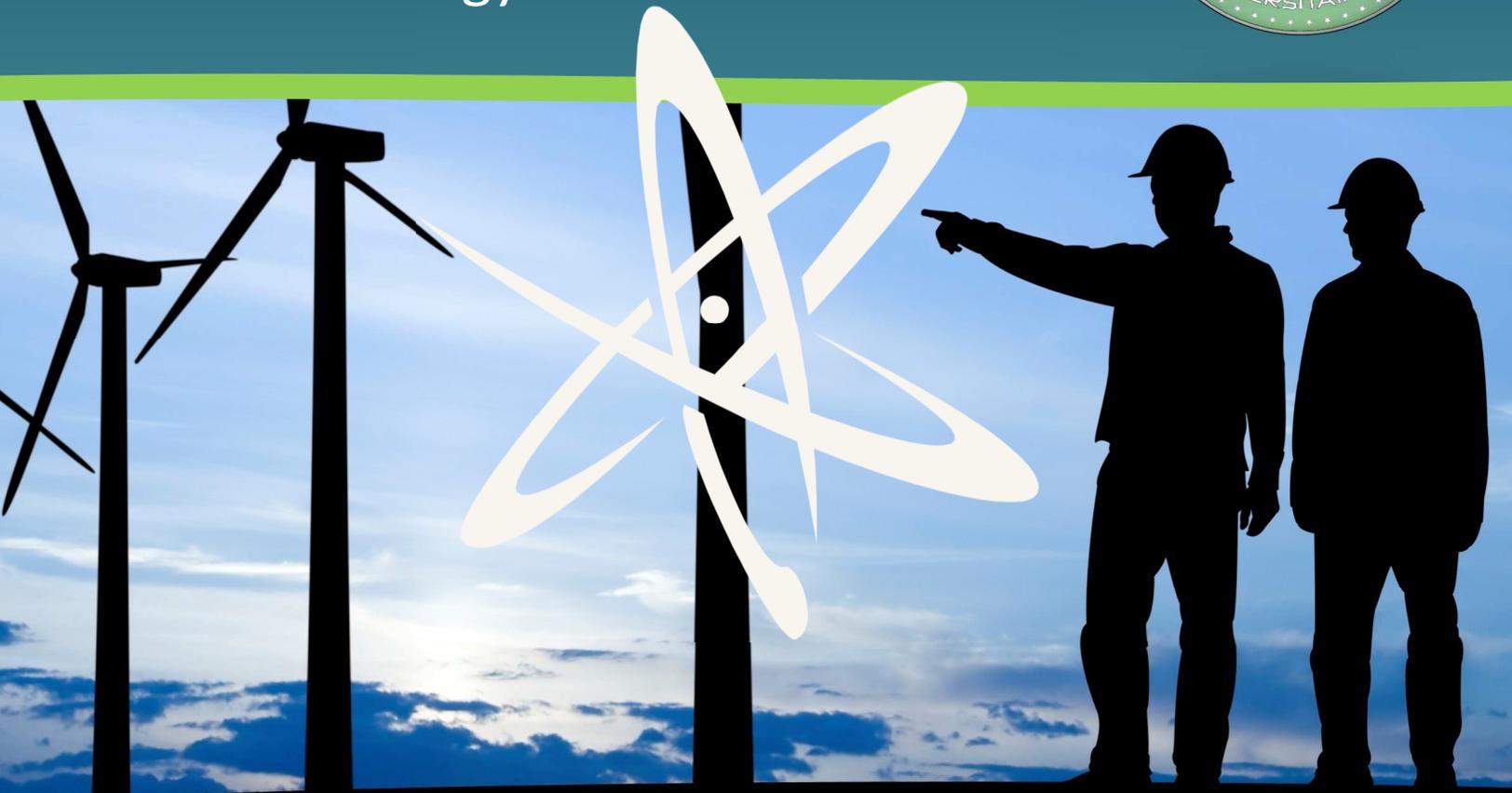




EUCLID: an intergovernmental  
treaty-based organization under  
public international law

[www.euclid.int](http://www.euclid.int)

⚡ Master of Science  
In Renewable  
Energy Studies



# Program Overview



The EUCLID MNRJ-R is a highly specialized and practical graduate program that is primarily designed for active civil servants and governmental officials. It is not “US” or “EU” or “UK” or “China” centric but rather reflect a truly global and intergovernmental vision.

This online-delivered program aims at “preparing expert leaders for international civil service and global careers.”



In this Brochure, you will find:

- ◆ A word from the Secretary-General
- ◆ Program Overview
- ◆ Program Objectives
- ◆ Admission Requirements
- ◆ Methodology
- ◆ Program Courses
- ◆ Credit Values
- ◆ Accreditation
- ◆ Peers and Alumni
- ◆ Language Requirements
- ◆ How to Apply
- ◆ Summary and Outcome

## What you need to know:

- ◆ This is an online (distance-learning) program with no residency requirements.
- ◆ Enrollment is continuous and asynchronous, which means that approved applicants may start at any time.
- ◆ By order of priority, eligible applicants are: (1) officials of the EUCLID Participating States (2) officials working for other States (3) staff of international organizations (4) ECOWAS region general public students (5) general public students from the rest of the world.
- ◆ This a low-tuition program with scholarship opportunities, offered by an inter-governmental (non-profit, public) organization under treaty authority.
- ◆ As an intergovernmental institution registered with the United Nations, EUCLID has headquartered in Bangui and Banjul but also maintains international liaison offices in many cities.

## A message from the EUCLID Secretary-General

### Joint Success...

EUCLID is a rare and remarkable institution in today's world, and we expect you—our potential future student and stakeholder—to be equally rare and outstanding.

We expect you to be persistent, determined to overcome all obstacles to achieve your personal and professional goals.

You should be passionate about your proposed field of study, an avid and fast reader whose aim is to achieve depth of understanding, excellence and quality as a professional and subject-matter expert.

You should be willing (and able) to absorb a vast amount of knowledge and to acquire critical skills in peripheral areas such as IT, marketing and public speaking.

EUCLID has built a bridge that reminds us of the amazing Millau Viaduct in France. This bridge was inaugurated in 2004 and represents a tremendous human achievement. EUCLID, likewise, was launched in 2004 and is now one of the world's few intergovernmental universities with a UN-registered treaty-based charter. Other similar institutions include the United Nations University, the European University Institute, the University of Central Asia and the University for Peace.

From being a mere vision in 2004 to becoming a respected international actor ten years later, we know that the road to achievement requires absolute dedication, an ever-renewed commitment to outstanding service and impeccable moral character.

In short, we seek students who will blend with EUCLID and become life-long stakeholders in our joint success.

### Global Issues, Global Education...

We are an international intergovernmental organization, focused on sustainable economic development and global engagement. Are you?

If news headlines are dominated by institutions that stand out with their exclusive “.int” extension (imf.int, ecb.int, who.int; “.int” domains are restricted to treaty-based organizations), should not your alma-mater also stand out with its “.int” extension and intergovernmental status?

Apart from the institutional aspect, the program documented in this brochure is equally a reflection of this ambitious philosophy: intellectual rigor and openness, excellence in written and oral communication, broad and deep coverage of this vast field of knowledge and practice.

Being accepted in and completing such a program would certainly be a tremendous achievement and an open door to a new realm of possibilities. The question is not simply “Are you qualified?” - it really is: “Are you ready and willing?”

We look forward to this encounter.

Sincerely,

Syed Zahid Ali  
*Secretary-General*  
 Email: secgen@euclid.int



## Overview

The EUCLID  $\nearrow$  M-Energy-R (Master in Renewable Energy Studies — covering Global Energy Technologies, Policies and Management) is a distance and non-resident study program.

Its goal is to prepare graduate-level professionals for high-level positions in public and corporate governance.

## Program Objectives

This Master's degree program prepares future managers and executives who intend to develop their careers in the global energy industry, both on the private and governmental side of this critical economic factor.

The curriculum was primarily designed to train government staff needing a comprehensive overview of this vast field, but it is also suitable to prepare students and working professionals for careers with governmental bodies, international organizations, and multinational corporations.

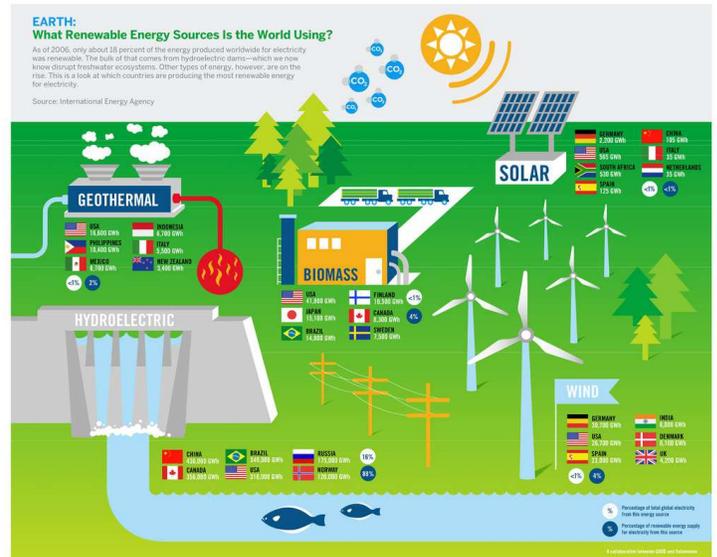
Thanks to its low tuition and institutional relationships, it is of special interest to citizens and residents of EUCLID and ECOWAS Participating States.

The EUCLID  $\nearrow$  M-Energy-R program is also unique in the sense that it is the only Master's Degree program dealing with Energy Studies actually offered by an intergovernmental organization, thus allowing direct interaction with practitioners as well as opening rare internship opportunities at diplomatic missions and events.

## Admission Requirements

Applicants must have a Bachelor's degree (or its international equivalent) in a relevant field (physics, electrical engineering, chemistry, etc.), issued by an institution recognized or accredited by the appropriate public agency.

Government-sponsored applicants (who are already government staff) may be admitted without a qualifying degree if their level of education and experience is deemed sufficient. EUCLID may require these participants to complete bridge courses prior to enrolling in the MSc in Energy Studies.



Fluency in English (spoken and written) is required and will be tested.

Students are expected to be in a position to dedicate 10 to 15 effective hours of study on a weekly basis.

## Methodology

This program is offered on an asynchronous and open-enrollment basis with occasional sequencing in cohort groups.

The program can be personalized for every student and consists in a sequence of courses (academic modules) which are delivered using the following methods / media formats:

- ◆ Standard textbooks
- ◆ DVD lectures / online videos
- ◆ MP3 podcasts and webcasts
- ◆ Internal EUCLID course packs
- ◆ Moderated conference calls

Typically, a course consists of a series of assigned materials that must be studied on an individual basis. Courses assignments include the composition of academic papers based on the textbooks, and the creation of a quiz which should demonstrate the student's grasp of the subject-matter scope and particulars.

Students are often connected in "pairs" or "trios" which allows them to interact and exchange on their coursework while moving along in the program at their own pace.

Each course is capped by an extensive 45-minute long oral examination which allows the supervising instructor to enter the composite final grade.

Overall, this program emphasizes the ability to understand systemic interactions as well as to express logical, respectful and persuasive arguments by means of publishable academic papers.

The ability to write professional, journal-grade papers is one of the essential objectives of this program. All students must complete the program having acquired and demonstrated graduate-level expertise in a specific aspect of energy policy or technology that will be of lasting interest to academia, government or the private sector.

The curriculum also calls for the ability to present oral reports or lectures (webcasts), delivered to the course tutor in MP3 or WMV format.

### **Courses:**

The proposed EUCLID/MNRJ-R course sequence (including optional courses marked with \*):

- International Academic Writing and Speaking (ACA-401 + BCOM-252\*) (1 UCH / 1.5 ECTS)
- Argumentation and Critical Thinking (TPH-499) (2 UCH/3 ECTS)
- Energy Overview, Crisis and Context (NRJ-SIT) (4 UCH / 6 ECTS)
- Energy Business Overview (NRJ-BUS) (2 UCH / 3 ECTS)
- Science for Energy Studies (NRJ-SCI) (3 UCH / 4.5 ECTS)
- Electricity and Power Grid Module\* (NRJ-ELEC) (3 UCH / 4.5 ECTS)
- Core Renewable Energy Module

- (NRJ-REN) (3 UCH / 4.5 ECTS)
- Solar Energy Module (NRJ-SOL) (3 UCH / 4.5 ECTS)
- Wind Energy Module (NRJ-WND) (3 UCH / 4.5 ECTS)
- Biofuel and Biomass Module (NRJ-BIO) (3 UCH / 4.5 ECTS)
- Ocean Energy Module (NRJ-OCEA) (3 UCH / 4.5 ECTS)
- Geothermal Energy Module (NRJ-GEO) (3 UCH / 4.5 ECTS)
- Energy-related Organizations\* (NRJ-IGO) (3 UCH / 4.5 ECTS)
- Sustainable Development\* (SD-200) (3 UCH / 4.5 ECTS)
- Master's Thesis\* (DIP-606) (6 UCH / 4.5 ECTS)

Each course is fully documented by means of a detailed syllabus (program syllabi are always available online with full documentation of academic coursework).

### **Professional Project:**

Students will be required to document their attempt to engage with energy-related actors such as private companies or public agencies in order to build their connections, exchange ideas, explore possibilities of internships and employment, etc.





### **Peers and Alumni**

Because EUCLID was established to train active diplomats and government staff, our students can be assured that their peers and fellow alumni will form a high-level network, including at the ambassadorial level.

### **Credit Values**

Credit values are expressed both in terms of USCH (US credit hour) and ECTS (European Credit Transfer System). Typically, 14 hours of classroom instruction over the course of 1 semester represents 1 USCH or 1.5 ECTS (plus self-study time), which is converted to the equivalent amount of study in the context of a distance program.

The total credit value for the completed EUCLID M-Energy program, according to international standards, is 36 USCH / 60 ECTS.

### **Accreditation**

EUCLID (Pôle Universitaire EUCLIDE / Euclid University) is an intergovernmental organization with a university charter established by multilateral treaty in 2008. The treaty itself is registered and published in full by the United Nations Treaty Section with certificate references I-49006/49007

(visit <http://treaties.un.org>).

As indicated by a United Nations letter (0218/RCA/MP/ONU-12), EUCLID (and the UN-related institutions including the United Nations University, the European University Institute, the World Maritime University, and the IMO International Maritime Law Institute) are recognized by the United Nations and UNESCO as being accredited.

Having the status of intergovernmental non-profit institution under public international law (like NATO or the World Bank), EUCLID offers degree programs under Article I of its Charter.

It is one of the few universities that enjoying international law accreditation or validation by multiple governments spanning 3 continents (Americas, Africa, Asia-Pacific). EUCLID has full diplomatic status in its headquarters State (The Gambia) by agreement with the Ministry of

Foreign Affairs, as well as university status by agreement with the Ministry of Higher Education. These agreements are also filed with the United Nations Treaty Section.



EUCLID's institutional and program accreditation is also confirmed by 3 agreements signed with other intergovernmental organizations (ICCI, ECOWAS, CAFRAD).

This graduate program specifically follows international guidelines for a master's degree, and it is fully documented to facilitate international transfers. A standard EU 'Diploma Supplement' is available upon request after graduation.

For more information, visit:

☞ <http://www.euclid.int/accreditation.asp>

☞ <http://www.euclid.int/academicstandards.asp>



## Language Requirements

All students must be fluent in English and should consider becoming conversant in French, Spanish, Arabic, Chinese or another major world language in addition to English.

## How to apply

All interested students must apply online at [www.euclid.int](http://www.euclid.int)

Government-sponsored applicants may apply online in the same manner as the general public, but they should also contact their National Point of Contact to secure formal endorsement.

The EUCLID Admissions Officer will send to all applicants an updated version of the “Admissions Checklist” which explains the required documentation to provide and the steps to be followed.

It must be emphasized that completing a distance study program at EUCLID requires determination and persistence. This same trait is expected in applicants who should not expect to be pursued by the Admissions team but rather actively pursue enrollment at EUCLID.

## Summary and Outcome

It is fair to say that EUCLID’s programs are better described as ‘distance’ rather than ‘online’ study programs. This means that students do not have to connect at a particular day and time to participate in bulletin board discussions as is often the case with ‘online’ programs.

Rather, our programs emphasize the ability to absorb

a vast amount of material on a personal basis, which makes them suitable for fast readers who on their own have a record of intense book reading and passionate interest in their field of study.

EUCLID evaluates the applicant’ interpersonal and teamwork skills—which are essential for personal and professional success—on the basis of prior experience confirmed by means of an extensive personal interview. Because EUCLID was established to serve active diplomats and other government officials, it is expected that these professional skills will have been acquired and demonstrated in the course of the applicant’s career.

In some cases, EUCLID may propose specific courses (which may not even be listed as electives) in order to bring inter-personal skills (including public speaking) to executive level.

Upon completion of the program, every student is expected to have become a subject-matter expert in a relevant area of energy policy or technology (including renewable energies).





*Photo: A senior EUCLID official assessing educational satisfaction during an official visit at a EUCLID Participating State Ministry of Foreign Affairs.*

## Faculty Profiles

### Faculty Commitment

EUCLID has a limited but outstanding faculty roster, which explains the limited amount of available slots for doctoral students.

All our faculty members are dedicated to staying in touch with their assigned students and to provide not only timely but also quality responses and feedback throughout the course work process.

### Doctoral Backgrounds

More than 70% of EUCLID faculty members hold doctorates from internationally recognized institutions, including:

- ◆ Ludwig-Maximilians-University
- ◆ University of Malta
- ◆ University of Minnesota
- ◆ Universidad Rural de Guatemala
- ◆ UNISA
- ◆ Capital University Law School
- ◆ Rhodes University

### Faculty Highlights

Uwaila Emmanuel Osazuwa is the coordinating faculty member for the EUCLID M-Energy program.

He holds a Master's in Energy from Heriot-Watt University, United Kingdom and Bachelor's degree in Mechanical Engineering from Ambrose Alli University. He is a member of the Energy Institute and an active professional in the field of energy engineering in addition to his faculty responsibilities.

Solomon Sahle is responsible for seeing students through NRJ-SCI (Fundamental Concepts of Physics and Engineering) and/or NRJ-NUC (Nuclear Energy Module).

In addition to his faculty role, Sahle (photo below, left) also works of the US Nuclear Regulatory Commission as a health physicist. He holds a Bachelor's in Physics and Mathematics, a Master's in Computer Science (Alabama A&M University), and he has completed a doctorate ABD in Medical Physics at Hampton University.

Students can expect effective guidance and support from these dedicated experts during their studies, especially during the final oral examination and closing interview for the course.

***For a current listing of faculty profiles with full biographies, please visit [www.euclid.int](http://www.euclid.int) under Academics > Faculty Profiles***



## Frequently-Asked Questions



### ***Are scholarships and financial aid available?***

Yes, for developing country students. Applicants residing in a non-OECD country should seek information by contacting our Admissions Office or by visiting our 'Scholarships' webpage. EUCLID does not accept US Title IV financial aid.

### ***Does the distance format provide the same quality of education offered on a traditional campus?***

Yes. The dropout rate is higher with distance education because working professionals do not always realize that finding 10-15 dedicated hours of intense studying every week is a serious challenge. In terms of quality however, numerous studies have proven that distance learners perform as well or better than their on-campus counterparts. A research study (*The No Significant Difference Phenomenon* by Thomas L. Russell) cites 355 research reports, papers, and summaries showing no significant difference between distance learning and in-class learning. Where a difference was identified, it generally favored the distance-learning student.

### ***Will my diploma say "Online" degree?***

No. Graduates receive the official, traditional diploma which is bilingual French / English.

### ***Is EUCLID accredited and recognized?***

Yes, EUCLID is recognized and accredited under international law, as is confirmed by the letter of the United Nations Secretariat (O218/RCA/MP/ONU-12, dated 10 December 2012) and is verifiable from the UNESCO/IAU WHED system as well as other official resources.

### ***How long will the program last?***

The program consists of a series of courses of variable credit-value and therefore duration. The computer system will assign a target date and deadline based on the course credit value.

Effective and dedicated part-time students have

been able to complete their coursework within 18–24 months of beginning the program.

### ***Do you accept transfer credits or grant credits based on work experience and certifications?***

Yes. EUCLID may, on a case-by-case basis, assess transfer credit up to a maximum of twelve credits. While the majority of our students have years of work experience, this cannot be used as a substitute for coursework.

### ***How much does the program cost?***

Please visit the EUCLID website at [www.euclid.int](http://www.euclid.int) for an explanation of the tuition and fees for this program. You may also contact our Admissions Officer for further information regarding cost and applicable financial aid / scholarships.

### ***Where is EUCLID located?***

EUCLID has its headquarters in Bangui and Banjul, as well as liaison offices around the world. EUCLID France is located in Montpellier.

### ***Will I need to travel to Washington DC, Bangui, Brussels or Banjul, etc.?***

No. This program does not have a residency requirement.

### ***Do I need an Internet connection to qualify?***

Yes. All students must have easy and regular access to a high-speed connection, which means fast enough to conduct an international phone call / web-conference using Skype.

### ***When can I begin the program?***

Enrollment is continuous and students may typically start 2-3 weeks after being accepted.

Official Headquarters (“Francophonie”)  
Avenue de France (Campus ENAM) / BP 157  
Bangui  
Central African Republic  
Tel.: +236 21 61 52 80 | 72 04 55 02

Official Headquarters (ECOWAS)  
Brusubi Roundabout at AU Highway—PMB 819  
Brusubi  
The Gambia  
Tel.: +220 999 55 97

US Liaison Office to the Permanent Missions (USA)  
EUCLID / Euclid Global Institute  
1101 30th Street NW Suite #500  
Washington, DC 20007, USA  
Tel.: +1 202 263-3628

Office of the Institutional High Steward (Dr. Juan C. Avila)  
Permanent Mission of the Dominican Republic to the United Nations  
144 East 44th Street, 4th Floor, New York, NY 10017  
New York, NY 10017, USA  
Tel.: +1 212-867-0833

Pôle Universitaire Euclide (France)  
450 Rue Baden Powell  
Montpellier  
France  
Online: <https://pole-euclide.fr>

**For Admissions questions, the only authorized contact is:**

Mr. Rodrigo Agüero  
Admissions Officer / Deputy IFC

[admissions@euclid.int](mailto:admissions@euclid.int)  
Phone: + 1 202 263-3628



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**AN INTERGOVERNMENTAL INSTITUTION**  
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