



United Nations
Framework Convention on
Climate Change

Internship Assignment

Sustainable Development Mechanisms (SDM) Programme
Regulatory Implementation Unit

Announcement number	Duration of assignment	Duty Station
19/Intern17/SDM/MoC	2-6 months between	Bonn, Germany

Background

The United Nations Framework Convention on Climate Change (UNFCCC) is the focus of the political process to address Climate Change. The secretariat supports the Convention, the Kyoto Protocol and the Paris Agreement through a range of activities, including substantive and organizational support to meetings of the Parties.

The **Sustainable Development Mechanisms (SDM)** programme is leading in the development and effective implementation of innovative approaches to broaden the engagement in and effectiveness of action to mitigate climate change and drive sustainable development. SDM supports the operationalization of the cooperative approaches established by Article 6 of the Paris Agreement and broader efforts to engage non-Party stakeholders in climate action. SDM manages the NAZCA (Non-State Actor Zone for Climate Action) platform, supports the COP Presidencies' Climate Action Champions and supports the implementation of the three Kyoto mechanisms - the Clean Development Mechanism (CDM), Joint Implementation (JI), and International Emissions Trading (IET).

Modalities of Communication (MoC) is a process used by the UNFCCC under the Kyoto Protocol in order to authorize project participants and focal points to carry out administrative actions that are part of the life cycle of a project.

A smart contract is a computer protocol intended to digitally facilitate, verify, and enforce the negotiation or performance of a contract. Smart contracts enable the execution of credible transactions without third parties.

Thanks to this initiative, project participants and focal points with projects in developing countries will be autonomous under the general procedures and guidance of the UNFCCC, reducing administrative effort and time while increasing traceability and reducing fraud in this decentralized market, reliability and transparency.

Objectives of the internship assignment

The internship assignment is with the Regulatory Implementation Unit (RIU). The Unit is responsible for leading the delivery of services essential to the continuation of the mechanisms until 2023 and beyond. The Registry and Analytics Team (within RIU) develops and maintains the CDM Registry including analysis of internal and external data in support of programme management and future roles of the mechanisms and the CDM Registry.

Under the supervision of the Registry Officer (P-3) and the Registry and Analytics Team Lead (P-4) and as part of the Regulatory Implementation Unit, the intern will assist the SDM programme in developing a prototype or a white paper in order to demonstrate that a multilateral worldwide management system for the control of authorized signatures in mitigation markets could be built on the basis of blockchain technology.



The particular objectives of this internship are:

- Assisting in the preparation of the different business cases
- Participating in the definition of scope
- Co-developing and coding a multilateral worldwide management system prototype for the control of authorized signatures in mitigation markets on the basis of blockchain technology.

Learning areas

During the period of the internship, a successful applicant will develop a deep understanding of Article 6 of the Paris Agreement, the Clean Development Mechanism (CDM), Joint Implementation (JI), and International Emissions Trading (IET).

Timeframe

The internship is for a period of minimum two to maximum six months. The exact period will be determined based on the availability of the intern, the needs of the programme, and the intern's on-going university enrolment and performance.

Requirements

- Candidates must have completed an undergraduate degree and be enrolled in a Master's or Doctorate programme at a recognized university at the time of application and for the duration of the internship.
- **Language and computer skills:** Fluency in both written and verbal English is essential. A working knowledge of Python, JavaScript, Solidity, Java or C Sharp.
- Studies in the field of **mathematics, physics or IT/computer science or engineering** are desirable.

Internship conditions

UNFCCC secretariat internships are not remunerated and the selected intern will be responsible for all costs before, during and after the internship assignment. Interns of the UNFCCC secretariat are not considered to be staff members. The selected intern will work on a full-time basis (40 hours per week) at the UNFCCC premises in Bonn, Germany. For more detailed information about UNFCCC Internship programme please visit the internship section on our recruitment [webpage](#).

Application procedure

Candidates who are interested in this assignment and meet the minimum requirements must use the [on-line application system](#) and include a **cover letter**. Due to the high number of applications, only candidates under serious consideration will be contacted for a telephone interview.