United Nations
Framework Convention on
Climate Change

Internship Assignment

Sustainable Development Mechanisms (SDM) Programme
Digital automation of climate change standards

Announcement number	Application deadline	Duration of assignment
18/Intern27/SDM_Digital automation of climate change standards	30 June 2018	Three to six months

Background

The United Nations Framework Convention on Climate Change (UNFCCC) is the focus of the political process to address Climate Change. The Convention secretariat supports the Convention and its Kyoto Protocol 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 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).

Objectives of the internship assignment

The internship assignment is with the MRV Standard Setting Teams in the Regulatory Development Unit (RDU) of the Sustainable Development Mechanisms (SDM) Programme. The teams are primarily responsible for developing, simplifying and managing GHG accounting standards in support of the Kyoto Protocol mechanisms and the Paris Agreement.

Under the direct supervision of a Programme Officer (P-3) and the overall guidance of the MRV Standard Setting Team Leads (P-4), the intern will contribute to the configuration, testing and administration of a digital platform that enables the computer-assisted design of greenhouse gas reduction projects, including the automatic identification of relevant technical requirements applicable to such projects.

The particular functions are:

- Assist in converting requirements of the Clean Development Mechanism (CDM) into a series of interactive questionnaires, logical rules, and calculations for CDM users;
- Configure the above analytical work into a digital platform and assist in standardizing the configuration work;
- Use a document templating syntax to build dynamic forms in Microsoft Word (e.g. CDM Project Design Document Form) to support the automatic completion of CDM forms;
- Test the digital platform, both as internal and external users, and report on the results;
- Support the continuous and iterative improvements of the digital platform, using an agile approach (Scrum).

Learning areas

During the period of the internship, a successful candidate will:
- Learn about the maintenance of a digital product using an agile approach;
- Strengthen analytical skills, including computer scripting and testing abilities;
- Develop a good understanding of CDM methodologies, standardized baselines and the related UNFCCC processes which support actions to mitigate climate change and drive sustainable development.

Timeframe

The internship is for a period of three to 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 Ph.D. programme at a recognized university at the time of application and for the duration of the internship;
- Studies in the fields of **engineering, information technology, statistics**, or other related fields **with some knowledge of IT programming**, are preferred;
- Excellent analytic skills, with the ability to find commonalities among large amounts of information, and structure them. Prior experience in programming, business/system analysis, survey design, or decision trees are considered an asset;
- Experience with any computer programming/scripting language (e.g. JavaScript, C++, Java);
- Experience with markup languages (e.g. HTML, XML, LaTeX) is an asset;
- Candidates must be fluent in English (both oral and written).

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.