

**Secretariat of the International Renewable Energy Agency (IRENA)
Innovation and Technology Centre (IITC) Division**

Title and Grade:	Intern – Remap, World Energy Transitions Outlook
Indicative Remuneration:	Monthly stipend
Duration of Appointment:	6 months
Duty Station:	Bonn, Germany
Date for Entry on Duty:	As soon as possible

Background

The International Renewable Energy Agency (IRENA) is an inter-governmental organisation headquartered in Abu Dhabi, mandated to promote the widespread and increased adoption and sustainable use of all forms of renewable energy in the pursuit of sustainable development, energy access, energy security and low-carbon economic growth and prosperity. IRENA's mission is to play a leading role in the ongoing transformation of the global energy systems as a centre of excellence for knowledge and innovation, a global voice of renewable energy, a network hub for all stakeholders and a source of advice and support for countries. At present, IRENA has 170 Members (169 States and the European Union) that acceded to its Statute, and 14 additional States in the process of accession and actively engaged.

The Agency implements its mandate with the view to sustainable development, increased energy security and low-carbon economic growth and prosperity. To achieve this goal, IRENA's Innovation and Technology Centre (IITC) has provided a range of insights on possible paths for such a transformation, spanning multiple geographic areas, sectors and topics. Models, scenarios, and planning processes play key roles in the development of transition paths.

Objectives of the Internship Assignment

The internship aims to support the enhancement of IRENA's World Energy Transitions Scenario modeling, with a focus on G20 nations and sectoral integration across both supply and demand sides. The intern will contribute to refining data inputs, improving scenario analysis methodologies, and assisting in the assessment of cross-sectoral linkages to strengthen modeling accuracy. Additionally, the intern will support the organization and management of relevant datasets, ensuring consistency and accessibility for analysis. By enhancing scenario modeling and data integration, this work will

contribute to more robust insights and policy recommendations to accelerate the global energy transition.

Particular Functions

In line with the objectives outlined above, the intern will support the day-to-day work related to IRENA's flagship report – the World Energy Transitions Outlook (WETO) – with a focus on G20 nations and sectoral integration. Responsibilities will include:

- Assisting in the collection, organization, and validation of data used in energy transition scenario modeling, covering both supply and demand sectors.
- Supporting the assessment of key assumptions, data sources, and methodologies to enhance the robustness of modeling inputs.
- Helping identify gaps, inconsistencies, and opportunities for improving data integration across different sectors and regions.
- Contributing to the documentation of modeling approaches, data flows, and governance processes to ensure transparency and consistency.
- Assisting in the preparation of technical reports, visualizations, and presentations using Microsoft and data management tools to support scenario analysis and policy recommendations.
- Supporting internal discussions and workshops to facilitate knowledge exchange and alignment of modeling efforts across teams.
- Performing other related tasks as required.

Learning Areas

During the internship, the selected candidate will gain hands-on experience in energy transition scenario modeling, with a focus on G20 nations and sectoral integration. They will develop a deeper understanding of data collection, analysis, and integration in the context of renewable energy transitions, as well as the role of energy modeling in policy formulation and decision-making. The intern will also gain exposure to best practices in data structuring, management, and visualization within an international organization. Additionally, they will have the opportunity to collaborate across teams in a multicultural and multidisciplinary environment, enhancing both technical and analytical skills.

Timeframe

The internship is for a period of **six** months commencing as soon as possible. The exact period will be determined based on the availability of the intern and the needs of the programme.

Minimum Requirements

- Candidates shall have just completed their undergraduate studies or be enrolled in a Master's programme at a recognised university at the time of application. Recent graduates may also be considered provided the start date of the internship is less than six months since their graduation
- Preference will be given to those studying: Energy, Engineering, Data Science, Economics, Environmental Science, or a related field.
- Strong analytical and organizational skills, with an interest in energy transition modeling and data-driven policy analysis.
- Proficiency in Microsoft, including advanced functions for data analysis and visualization.
- Familiarity with Tableau or similar data visualization tools.
- Basic understanding of energy data structuring, scenario modeling, and quality control.
- Excellent communication skills in English (spoken and written).
- Ability to work independently and collaboratively in a multicultural and multidisciplinary environment.
- Competencies: Candidates should demonstrate solid teamwork, planning and organizing, professionalism and communications skills.
- Candidates must be able to work in a multi-cultural and multi-disciplinary environment.
- Candidates should indicate in their cover letter their period of availability.

Internship Conditions

IRENA interns are not considered to be staff members. The selected intern will work on a full-time basis (35 hours per week) as per the working hours of IRENA premises in Abu Dhabi, UAE.

Application Procedure

IRENA wishes to encourage applications from female candidates.

Please note that only candidates under serious consideration will be contacted for an interview and will receive notice of the outcome of the selection process.