

Job Profile



Analyst (P3) International Renewable Energy Agency (IRENA) Renewable energy scenarios and roadmaps

Bonn, Germany

Reference number: DK-06485

1. Preliminary

1.1. Short background:

The International Renewable Energy Agency (IRENA) is an intergovernmental organisation that supports countries in their transition to a sustainable energy future, and serves as the principal platform for international cooperation, a centre of excellence, and a repository of policy, technology, resource and financial knowledge on renewable energy. Since its establishment in 2009, IRENA has been promoting the widespread 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.

With a mandate from countries around the world, IRENA encourages governments to adopt enabling policies for renewable energy investments, provides practical tools and policy advice to accelerate renewable energy deployment, and facilitates knowledge sharing and technology transfer to provide clean, sustainable energy for the world's growing population.

With a total core budget of USD 64,150 million IRENA's mission is to establish and develop new synergies, facilitate dialogue and foster co-operation at the global levels. IRENA serves to advance the widespread adoption and use of renewable energy with the ultimate goal of speeding up the transition to renewable energy in order to safeguard a sustainable future and support positive social and economic outcomes reducing poverty all over the world.

2. The Programme

2.1. The programme in short:

With more than 170 Member States actively engaged, IRENA promotes renewable resources and technologies as the key to a sustainable future and helps countries achieve their renewable energy potential. Understanding the socio-economic benefits of renewables is of a vital importance for countries exploring ways to stimulate economic growth and industrial activity, while reducing the adverse effects of climate change, improving energy security and widening access to energy. IRENA's pioneering work on economic growth, welfare and jobs from renewable energy deployment is informing policy-makers on how to meet multiple objectives through energy transformation.

To contribute to bridging the knowledge gap and support informed policy-making, IRENA has been analysing socio-economic benefits of renewables by undertaking various quantitative and qualitative assessments at global, regional and national level. This work-stream has been reinforced through IRENA's Medium-term Strategy 2018-2022 with countries asking for an increased focus on such benefits.

The Medium Term Strategy 2018-2022, developed over a two-year period and in direct consultation with IRENA's global membership and with stakeholder input through its Coalition for Action, provides clear guidance on priority action areas for the next step in the transformation of the global energy system. Of areas identified, the need to strengthen local capacity, facilitate exchange of best practice, and promote peer to peer learning, emerged as central to the work of IRENA.

The project will support partner countries and regions, including the fast-growing ASEAN region, where energy demand is expected to double by 2025, to increase their ambitions in renewable energy and energy transition targets. The energy transition will be accelerated through increased awareness of the socio-economic benefits (end use benefits such as jobs, human welfare, GDP growth and nexus benefits in other sectors e.g. in water) of increased RE deployment.

2.2. The Danish engagement in the Medium Term Strategy 2018-2022:

IRENA and the proposed project focus on several areas where Danish strengths are recognised in the global area and where there is interest in engaging Danish public, private and civil society actors.

Long-term planning and solid energy scenarios are furthermore a key factor in the Danish successful transition to Renewable Energy and therefore also a key priority in the Danish international engagement. Particularly, in the major emerging economies, where Denmark seeks to speed up the transition to low-carbon energy systems via dissemination of best practice policies bilaterally via the Danish Energy Agency (DEA) Energy Partnership Programme (DEPP) under the Danish Ministry of Energy, Utilities and Climate (MEUC) implemented by DEA and multilaterally via IRENA and the International Energy Agency (IEA). Implementation of these policies are key to develop the right framework conditions to unfold large-scale investments in renewable energy development.

With the new 2018-2022 project, MEUC and the Ministry of Foreign Affairs of Denmark (MFA) have engaged in a dedicated cooperation with IRENA and granted a budget of DKK 40 million to be made available for the project through the Ministry of Foreign Affairs of Denmark (MFA), sourced from the Danish Climate Envelope. The Budget includes the costs of a three-year secondment of a Danish professional to IRENA, in accordance with the IRENA Secondment Policy.

3. The Position

3.1. Title: Analyst, renewable energy (P3).

3.2. Place of service: IRENA's Innovation and Technology Centre, Bonn, Germany, with frequent travels to IRENA Headquarter in Abu Dhabi and developing countries.

3.3. Terms of Employment:

Contract period: From 1 October 2019 and for a period of three years.

3.4. Area of responsibility/tasks:

IRENA seeks the services of a Danish expert for the duration of the project to support the outputs on scenario development, energy systems modelling and power sector transition planning. This expert will partly provide the technical expertise to launch, build, operate models and other tools as well as interpretation of results and their communication through

means of documents, presentations or otherwise. The expert will also contribute to the activities of the project as a whole to ensure consistency and synergies among the different components.

The analyst will be placed in the IRENA Innovation and Technology Centre in Bonn consisting of 40-50 technical members working with energy transition, innovation and technology outlook, power sector transformation and renewable energy costs.

To contribute to the project on long-term planning, the analyst will:

- Contribute to develop and enhance energy and power systems modelling tools for ASEAN region and countries.
- Contribute to the development of the ASEAN and country outlooks.
- Assess established and emerging renewable energy technology options in terms of potential, cost and relevant economic and environmental impact.
- Assist in further development of Energy Transformation toolbox for renewable energy and energy efficiency analysis.
- Assist in the South-South capacity building for energy systems and power sector planning for energy transition.
- Be responsible for maximizing synergies and complementary activities to the Danish bilateral work on long-term planning and solid energy scenarios in the Danish Energy Partnership Programme (DEPP) and other programmes implemented by the Danish Energy Agency (DEA) in a number of the largest emerging economies
- Liaise with the Danish Ministry of Energy Utilities and Climate (MEUC) and the Danish Ministry of Foreign Affairs (MFA) on the project's contribution to the CEM campaign and its inputs to the 2019 UNSG Climate summit, as well as to ensure synergies with other Danish supported international initiatives and programmes, such as the International Energy Agency (IEA), the World Bank energy programme ESMAP, the Copenhagen Centre on Energy Efficiency (CCEE) and the UNEP DTU Partnership (UDP).
- Contribute to the dialogue with governments and other stakeholders for development of scenarios and roadmaps.
- Contribute to link the analytical outputs to the clean energy investment agenda.
- Prepare various written outputs and other materials to support the analysis and contribute to the outreach activities.
- Provide substantive support to consultative and other meetings, conferences, including preparation of documents and presentations.

4. Requirements profile/qualifications

4.1 *Key competences*

Requirements and expectations concerning the candidates' formal qualifications:

- Minimum academic qualifications: Master's Degree or equivalent in energy planning, economics, engineering, or other relevant field related to the development of energy scenarios and modelling and political implementation of long-term energy planning.
- Understanding of technology and policy issues related to energy transitions in both power and end-use sectors in terms of integration of renewable energy.
- Experience and/or knowledge of energy systems modelling and scenario development, including the use of different models (LEAP, MAED, MESSAGE, TIMES-MARKAL, BALMOREL, PLEXOS, etc.) is an advantage.
- Knowledge of energy efficiency in general would also be an advantage.
- Proven track record and a minimum of five years of experience in energy analysis, modelling, renewable energy deployment and grid integration, or energy efficiency.

- Strong knowledge of Danish energy policies, strategies and methodologies and understanding of the Danish energy sector and model.
- Knowledge of the Danish best practice on long-term planning and international energy partnerships as a part of the Danish Energy Partnership Programme (DEPP) implemented by the Danish Energy Agency (DEA).

4.2 Requirements and expectations concerning the personal qualifications of the candidates:

- Well-developed networking skills Excellent cooperation skills and ability to work in a team
- Pragmatic and able to keep calm, also in stressful situations in a rapidly changing policy environment
- High level of engagement and drive
- Excellent communication skills
- Excellent command of written and spoken English is required. Knowledge of other languages is desirable.
- Willingness to travel to a range of IRENA's client countries

For more information about the position please contact Head of Section Bo Jul Jeppesen, the Danish Ministry of Foreign Affairs, on +45 3392 0436 or Consultant Kristoffer Harris, Mercuri Urval, on +45 2116 5088.

5. **Deadline for applications**

5.1 Deadline for applications: 12 July 2019 at 12 noon (CEST).

Are you interested in applying for the position kindly upload your CV and application on www.mercuriurval.dk (Reference number: DK-06485)