



RENEWABLES FIRST

Data Manager (Energy & Climate)

Location: G-8 Markaz, Islamabad

Department: Data Analytics

Type: Full time

Contract: 1 year

About Renewables First

Renewables First (RF) is a think tank for energy and the environment. RF's work addresses critical energy and natural resource issues with the aim of making energy and climate transitions fair and inclusive through impactful research, advocacy, and strategic partnerships.

About the Role

Renewables First is seeking a Data Manager (Energy & Climate) to lead its data vertical and drive data-driven decision-making across the organization's energy and climate research. The Data Manager will govern RF's data management and analytics portfolio, oversee robust data pipelines and repositories, and turn complex energy sector data into clear, actionable insights that inform RF's flagship publications, dashboards, and policy engagement.

This is a highly technical and cross-functional role at the intersection of data science, data engineering, analytics, and energy policy. It is ideal for someone who can build reliable data infrastructure while translating data into insights that government, media, and partner audiences can easily understand and act on.

Key Responsibilities

1. Team & Vertical Leadership (30%)

- Lead and grow RF's data vertical, including hiring, onboarding, and day-to-day line management of analysts and data engineers.
- Set the vertical's annual roadmap and quarterly priorities in alignment with RF's research and advocacy agenda.
- Run the intake and prioritisation process for data requests across RF's research verticals, arbitrating between competing demands and protecting delivery timelines.
- Build technical capacity across the team through structured mentoring, code review, and a training plan for junior analysts.
- Manage relationships with external data providers, technology vendors, and research partners, including tool selection and budget input.

2. Data Engineering & Integration (25%)

- Lead the data integration process from internal and external sources, including data providers, APIs, and databases, to maintain a comprehensive and up-to-date data repository.



RENEWABLES FIRST

- Lead the design, development, and maintenance of data pipelines to seamlessly extract, transform, and load data from diverse sources into databases or data warehouses, automating processes wherever possible.

3. Analytics, Visualization & Stakeholder Engagement (25%)

- Perform data analysis to identify trends, patterns, and insights within energy sector data.
- Oversee the development of interactive and informative data visualizations, flagship reports, and dashboards using tools such as Tableau, Power BI, or similar, to facilitate decision-making processes.
- Ensure regular updating of information on dashboards while troubleshooting and resolving issues related to data reporting and visualization in the production environment.
- Work closely with cross-functional teams to understand data requirements, ensuring accuracy and consistency throughout the data management processes.
- Collaborate with domain experts to translate data analysis into actionable recommendations, fostering a collaborative, results-driven, and data-driven environment.

4. Data Strategy & Governance (20%)

- Lead the organization's data vertical and govern its data management and analytics portfolio, integrating AI models using advanced statistical and machine learning techniques to generate actionable insights and identify future opportunities in the energy sector.
- Stay updated on industry best practices, emerging technologies, and trends in the energy sector, and continually improve data management strategies.

Qualifications and Skills

- An MS (18 years of education) or BS (16 years of education) in Computer Science, Software Engineering, IT, Data Science & AI, or Engineering from an HEC-recognized university.
- A minimum of seven years' relevant experience in data analytics, data management, data governance, or related disciplines within a reputable national or multinational organization.
- Proven ability to manage data/Bi teams, oversee project delivery, mentor team members, and collaborate effectively across departments.
- Hands-on expertise with relational and NoSQL databases (e.g., SQL Server, PostgreSQL or MongoDB), along with data warehousing platforms such as Snowflake or Azure Synapse.
- Solid understanding of data governance frameworks, policies, metadata management, and data stewardship practices.
- Demonstrated capability in leading data mining, predictive modelling, and machine-learning-driven analytics using Python, R, or equivalent tools.
- Practical experience building dashboards, reports, and KPIs using BI platforms such as Power BI, Tableau, or QlikView.



RENEWABLES FIRST

- Familiarity with cloud-based analytics and data services on Azure, AWS, or Google Cloud.
- Excellent written and verbal communication skills, with the ability to present data insights clearly to business stakeholders.

What We Offer

- Competitive salary commensurate with experience.
- Opportunities for professional growth and development in the renewable energy and climate action sector.
- A dynamic and collaborative work environment with a team passionate about driving positive change.
- The chance to contribute to Pakistan's energy transition and climate resilience efforts.

Application

If you would like to become part of our dynamic team, apply at your earliest. We process applications on a rolling basis. Female candidates are strongly encouraged to apply.

Please email a letter of motivation, along with your CV in one PDF document and use the following format for the file name, "First name_Last name_Job Title" to hr@renewablesfirst.org