

Job Description

Product Manager- Data, Models, and Tools

Organization	Coalition for Disaster Resilient Infrastructure (CDRI)
Location	New Delhi, India
Grade and No. of position	Lead Specialist (1)
Salary and Benefits	Competitive
Contract	Fixed Term Contract (3 years), extendable for up to another 3 years, Full-Time, National/International Hire.
Applications Closing date	Applications will be reviewed on a rolling basis, with priority given to early submissions during the shortlisting and selection process. The position will remain open until it is filled.

About CDRI

The Coalition for Disaster Resilient Infrastructure (CDRI) is a partnership of national governments, UN agencies and programs, multilateral development banks and financing mechanisms, the private sector, and knowledge institutions that aims to promote the resilience of new and existing infrastructure systems to climate and disaster risks in support of sustainable development.

Mission

“To support countries to upgrade their systems to ensure disaster and climate resilience of existing and future infrastructure.”

Impact (that CDRI aims to achieve)

By 2050, over US\$10 trillion of new and existing infrastructure investments and services are resilient to natural hazards and climate change through enhanced capacity, informed policy, planning, and management, leading to improved quality of environment, livelihood, and life of over 3 billion people.

CDRI Mandate & Value Proposition

CDRI has been envisioned and established as a global network to advance the agenda, support coordinated action among stakeholders, and focus on bringing voices from vulnerable geographies and populations to international policy forums. Internationally agreed-upon goals in the SFDRR, the SDGs, and the Paris Climate Agreement provide the foundational framework that guides the Coalition’s vision and mission.

As a global partnership, the Coalition aims to ensure that the investments of its members and partners are aligned and well-coordinated in support of the shared ambition of disaster and climate resilience of new and existing infrastructure. The two unique yet interconnected roles that CDRI shoulders in this direction are:

- A Strong Coalition Driving Collaborative DRI Action: In 2025, CDRI stands as a partnership of 46 national governments and seven international organizations. The Coalition enjoys robust political support, which propels its efforts to advance the interests of its members and partners.
- A Solution-Focused Centre of Excellence for DRI: As a Centre of Excellence for DRI, the Coalition strengthens the individual and collective capacities of its members and partners by aggregating and sharing knowledge, brokering need-based partnerships, and strengthening capacities through collaborative learning and action.

Strategic Work Plan 2023-2026

CDRI's Strategic Work Plan 2023-26 describes the broad contours of its priority actions and planned initiatives in the next four years. The Strategic Work Plan sets out a clear direction for the Coalition to pursue a transformational agenda for DRI in response to a changing risk landscape and evolving on-ground realities of its members. In the next four years, the Coalition will continue to leverage the expertise of its Member Countries and partners to develop context-specific, innovative solutions for resilient infrastructure towards the achievement of national priorities and global commitments of its members.

With the strategic work plan for 2023 – 2026, CDRI has set out the following strategic outcomes.

Strategic Outcome 1: A strong Coalition that has the membership, resources, and global leadership to drive global, national, regional, and local DRI action.

Strategic Outcome 2: Global DRI research, Coalition-led peer engagement, and CDRI-curated and generated knowledge promote risk-informed policy and practice.

Strategic Outcome 3: Enhanced capacities of government, private enterprises, and communities to implement post-disaster recovery and DRI action at scale.

CDRI Headquarters (Secretariat)

The CDRI headquarters is established in New Delhi, India, to act as the Secretariat of the Coalition. The Secretariat functions under the direction of the International Governing Council and the Executive Committee to implement the programmes of CDRI.

Position

The position is open to candidates of all nationalities.

All nationals demonstrating 10 years of international work experience in at least 5 countries across 2 UN geographic regions (from Africa, Asia, Europe, Latin America and the Caribbean, North America, and Oceania) would be considered for international positions (international hire).

Objective of the position:

CDRI has developed a publicly available, fully probabilistic risk assessment platform to estimate the risk to infrastructure sectors from geological and hydrometeorological hazards, called [GIRI](#) (Global Infrastructure Risk Model and Resilience Index). CDRI is also developing tools such as impact forecasting for decision support systems, econometric models to assess fiscal risks, and the Resilience Cost Benefit Analysis Tool to evaluate infrastructure project budgets under different resilience scenarios. CDRI seeks an experienced professional in the role of Product Manager to lead CDRI's products, such as GIRI and other

tools, develop the roadmap for these, understand user and market needs, and continually support and improve these offerings.

Key Roles and Responsibilities:

- Define and maintain the roadmap, requirements, and functional and technical specifications, including user stories and features for CDRI geospatial and infrastructure risk and resilience products, platforms, and tools, in alignment with CDRI's data and technology strategy.
- Expand the strategy, roadmap, and functionality of these offerings to meet member country needs as CDRI's mandate evolves.
- Develop Terms of reference for the engagement of consultants or procurement of services, including but not limited to the following aspects: hazard modelling, vulnerability and risk analysis, data procurement, development of web/mobile applications, data analysis, and procurement of innovative technology products.
- Review and provide input to the vendor engagement, including bidding documents, review/evaluation of bids, and negotiations with the vendors where required.
- Work with external modelling consultants, developers, and CDRI stakeholders by prioritizing features, participating in user feedback and research, and ensuring the products, tools, and offerings align with the needs of users by analyzing usage data.
- Conduct regular product progress meetings with the vendors.
- Manage a product backlog, prioritizing features and managing bug lists.
- Collaborate cross-functionally with other teams such as the CDRI Research, Knowledge Management & Capacity team, the GIRI Biennial Report team, the IRIS program team, the senior leadership of CDRI, as well as external consultants and developers, to support the use and adoption of CDRI's products and tools.
- Be an expert on CDRI's products and tool offerings.
- Educate and evangelize CDRI products to its member countries and organizations.
- Mobilizing technical experts from coalition member countries and partners to address specific needs in member countries. Engage with internal CDRI program teams to provide inputs and support to member countries and partners to foster interest in these products and in upgrading their existing tools to strengthen resilience.

Skills

- Demonstrated expertise in the running and applications of catastrophe/climate/other risk models.
- Demonstrated expertise in areas related to resilient infrastructure, such as disaster risk reduction, climate change adaptation, and risk analysis.
- Experience in undertaking multi-stakeholder engagement.
- Experience with users' needs assessment.
- Strong understanding of product management processes.
- Proven ability to work effectively in multi-disciplinary and multi-cultural teams.
- Excellent communication and interpersonal skills with the ability to convey complex processes and challenges in a clear, engaging, and visually intuitive manner for diverse audiences.
- Analytical and strategic planning skills and the ability to handle multiple priorities.
- Familiarity with international frameworks such as the Sustainable Development Goals (SDGs), the Sendai Framework for Disaster Risk Reduction, and the Paris Agreement.

Qualifications:

- Master's or equivalent, in climate-related fields such as climate science, meteorology, disaster risk management, or an engineering field such as civil/structural/geology/environmental/transportation engineering, or urban planning. Candidates with international education are desirable.

Experience:

- 10+ years of relevant work experience, including at least 4 years in a leadership role at the national or international level and at least 5 years working with catastrophe, climate risk, or related analytical models. The candidate will also have experience in product management - in the formulation and implementation of product vision, product strategy, and roadmaps.
- Experience working in an international organization and with a diverse number of partners comprising Governments, the UN, multi-lateral systems, industry, financial institutions, and knowledge and research institutions in multi-country locations.

Reporting Line:

- The incumbent will report to the concerned director or the appropriate role per the approved organizational structure.

Language Requirements:

- Fluency in English, both oral and written.
- Knowledge of any of the UN's official languages will be an asset.
