

RiskScape™ Product Manager



This role has a focus on delivering the RiskScape™ multi-hazard risk modelling tool and in implementing supporting risk science. RiskScape™ is an open-source multi-hazard risk model developed by GNS Science and NIWA that quantifies the impacts of natural hazards on society.

The role is strongly connected with end-users and will explore New Zealand's requirements for the long-term establishment of a suite of National probabilistic risk models.

Reports to:	Risk Science Team Leader
Department:	Society & Infrastructure
Group:	Science
Tenure:	Permanent
Location:	Lower Hutt, Auckland, Dunedin, Wairakei
Direct reports:	Nil
Budget:	Nil
Career Path:	Specialist
Job Family:	Community Resilience, Policy, Planning & Advisory
Career Step:	Senior Specialist 1 / Senior Specialist 2
Date:	December 2022

Position priorities and responsibilities

Programme/project management

- Develop and lead the end-user engagement strategy for RiskScape™ (researchers, government and industry end-users) and integrate feedback into the RiskScape™ roadmap
- Represent RiskScape™ at meetings with stakeholders and present on RiskScape™ at workshops and conferences
- Scope and develop RiskScape™ applied research project opportunities with Business Development and science teams
- Lead and/or contribute to RiskScape™ research and commercial projects as required, including managing the financial and administrative aspects of programmes/projects
- Liaise with the RiskScape™ Project Leader regarding workload and capability requirements to support ongoing research and software development requirements
- Develop and coordinate RiskScape™ training modules

Scientific Research

- Lead and/or contribute to interdisciplinary risk modelling research projects by interacting with others in GNS Science including hazard modelling, engineering, planning, social science and Māori relationship teams, and with external collaborators from universities and other organisations

Commercial

- Identify areas of commercial opportunity for RiskScape™ and work closely with the Business Development Team to establish industry and government relationships
- Contribute to the commercialisation/business model strategy of RiskScape™
- Lead or contribute to risk modelling and related commercial projects as required

Communication

- Engage with partners including Toka Tū Ake EQC and Māori
- Engage with stakeholders from wider industry, government, emergency management and other relevant sectors to ensure their awareness of the skills and contributions that GNS has to offer
- Promote the use of RiskScape™ and GNS risk science as a tool to assist risk informed decision making
- Contribute to or lead communication of project results (e.g., GNS Science reports, peer-reviewed journal papers, presentation of work at conferences and to stakeholders)
- Contribute to RiskScape™ strategy documentation

Leadership

- Lead and/or contribute to RiskScape research and commercial projects
- Act as a quality/peer reviewer
- Act as a mentor for less experienced team members

Projects

- Undertake projects and tasks for your manager as and when required

Responsibilities of all staff

- Comply with all GNS Science policies and procedures.
- Contribute to making GNS Science a healthy and safe place to work by complying with the responsibilities and accountabilities outlined in the Health and Safety Management System Framework.

The responsibilities of this position will change over time to respond to changing needs. The incumbent will need the flexibility to adapt and develop as the company and its environment evolves.

Key working relationships

Internal:

- Science Group including Science Theme Leaders, Programme Leaders and Project Leads
- Scientists and support staff across GNS Science
- GNS supporting functions including the Communications Team, Business Partnerships, Stakeholder Relations

- Māori Partnerships Team

External:

- RiskScape™ partners and stakeholders, including Toka Tū Ake EQC and Māori
- RiskScape™ end-users
- Catalyst IT (RiskScape™ core developers)
- Other CRIs and Universities

Person specification

Skills, knowledge and attributes

- Strong stakeholder relationship skills
- Advanced understanding of risk modelling for natural hazards
- Interest or background in researching natural hazards and their impacts on society
- Communication skills
- Strategic thinking skills
- Ability to work collaboratively in a team environment
- A willingness to work with iwi/ Māori groups and organisations to build relationships with the aim of facilitating Māori development

Experience

Essential:

- Experience in stakeholder-engagement and strategic planning
- Min 5 years experience working in a natural hazard and risk related industry or sector

Desirable:

- Experience in natural hazard risk modelling
- An understanding of Te Ao Māori, Pacific and indigenous world views and practices

Qualifications

Essential:

- Post-graduate degree in earth sciences, disaster risk (or similar fields) or equivalent professional experience

Other requirements

Desirable:

- Driver Licence
- Willingness to travel overseas

Performance Dimensions

At a high level, GNS Science recognises six **Performance Dimensions**: three relate to technical capability, one relates to leadership (if applicable) and two relate to the *way we work*. Below are the general expectations that are the minimum standards expected of all staff. There are also expectations that specifically relate to the career step associated with the role; you can find these on GNS Online.

Technical capabilities

Scope, complexity and innovation

- Enduring commitment to maintaining and developing skills and knowledge in area of expertise.
- Both the ability and desire to apply appropriate rigour, principles and practices to deliver quality work in a cost-effective manner.
- Acts in a manner that conveys high personal and professional standards.
- Open to coaching and feedback – incorporates suggestions to find better ways of doing things (to improve own and GNS Science performance).

Contribution to GNS Science / profession

- Establishes and maintains effective and collaborative working relationships – with colleagues and external individuals and groups.
- Both the ability and commitment to work in a culturally responsive and inclusive manner; respecting and valuing the diverse perspectives of individuals and groups.
- Takes an interest in early career colleagues, graduates and students – provides coaching and/or mentoring as appropriate. Supports initiatives to promote science careers.
- Prevents harm to self and others by carrying out duties safely and responsibly.

Delivery of work

- The ability and commitment to deliver pieces of work and projects on time to required quality, cost and benefit parameters.
- The application of appropriate project management rigour, principles and practices to delivering quality projects in a cost-effective manner

Leadership

- Delivers projects within GNS Science's processes and best practice, including effective control measures and health, safety and environmental management processes and practices.
- Creates and manages work plans for project teams. Sets clear expectations for the individuals in the project team, provides timely and constructive feedback and escalates performance issues to the individual's immediate manager early.
- Is a champion for creating a positive culture.

Behavioural expectations

Manaakitanga – we do the right thing

Champions a positive working culture. Works and interacts with colleagues, external partners, stakeholders and customers in a way that is consistent with our values:

- We are **CONNECTED** in our purpose; with each other, with partners and stakeholders and with our communities.
- We are **INSPIRED** by our work to explore, challenge, innovate and aim higher.
- We are **EMPOWERED** to be our best – valued for our differences, encouraged to contribute and enabled to grow and develop.

Bicultural commitment

- As a Crown Research Institute, GNS Science is committed to partnering with iwi/hapū and Māori communities and agencies to achieve their science aspirations.
- We do this in a way that is culturally appropriate (**tikanga**) and honours Māori and non-Māori worldviews (**te ao**).

These expectations are intended to support and guide the development of individual staff.