

# Horizon Europe and Aotearoa New Zealand

He Pito Mata  
April 2023



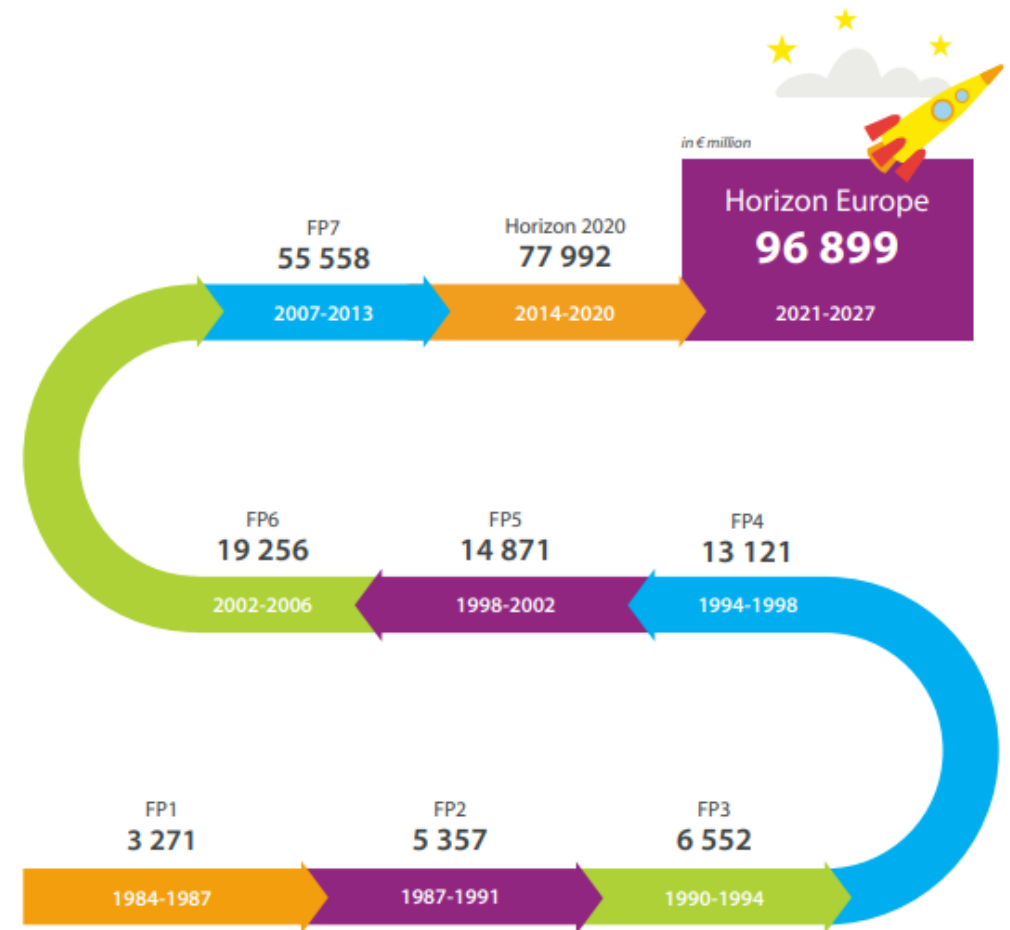
MINISTRY OF BUSINESS,  
INNOVATION & EMPLOYMENT  
HĪKINA WHAKATUTUKI

Te Kāwanatanga o Aotearoa  
New Zealand Government

# What is Horizon Europe?

- Horizon Europe is the current iteration of the EU Framework Programme for Research and Innovation (FP9)
- Total budget approx. €97 billion (NZ\$ 155 billion) over 2021–2027
- New Zealand is formally Associating to Pillar II
  - Budget of approx. €53.5 billion (NZ\$ 90 billion)

## EU Framework Programme for Research and Innovation



# How we got here



- EU–NZ agreement on Scientific and technological cooperation agreement 2009
- Exploratory talks on Association late 2021, concluded mid-2022
- EU delegation to NZ Dec 2022, draft Association agreement negotiated and initialled
- Formal signing expected mid-2023
- Horizon Europe Pillar II open now to applications from NZ researchers



IMAGE: GLENN MCCONNELL/STUFF



## New Zealand progresses Horizon Europe negotiations with European Commission

Published: 21 December 2022

New Zealand and the European Commission have concluded formal negotiations on New Zealand's Association to Pillar Two of Horizon Europe, the European Union's largest ever research and innovation programme. Negotiations were positive, with the hope that New Zealand will become an Associate Member in early 2023.

In anticipa  
into the Ja

Association  
funding on  
consortia,

Pillar Two:  
as climate  
New Zeala

To come in  
MORE will p

17 FEBRUARY 2023

## Horizon Europe opens world of opportunities for New Zealand researchers



HON DR AYESHA VERRALL

Research, Science and Innovation

New Zealand researchers and organisations can now apply to Pillar Two of Horizon Europe, the European Union's (EU) largest ever research and innovation programme, on equal terms as researchers from the EU.

"This will enable deeper scientific collaboration on pressing global challenges like climate change, energy and global health issues," Research, Science and Innovation Minister Dr Ayesha Verrall said.

"Our researchers and organisations now have unprecedented access to professional networks and world-class scientific infrastructure to tackle these issues affecting us all. Researchers should seize the opportunity to collaborate and lead large scale initiatives," Dr Verrall said.

# How it fits with NZ

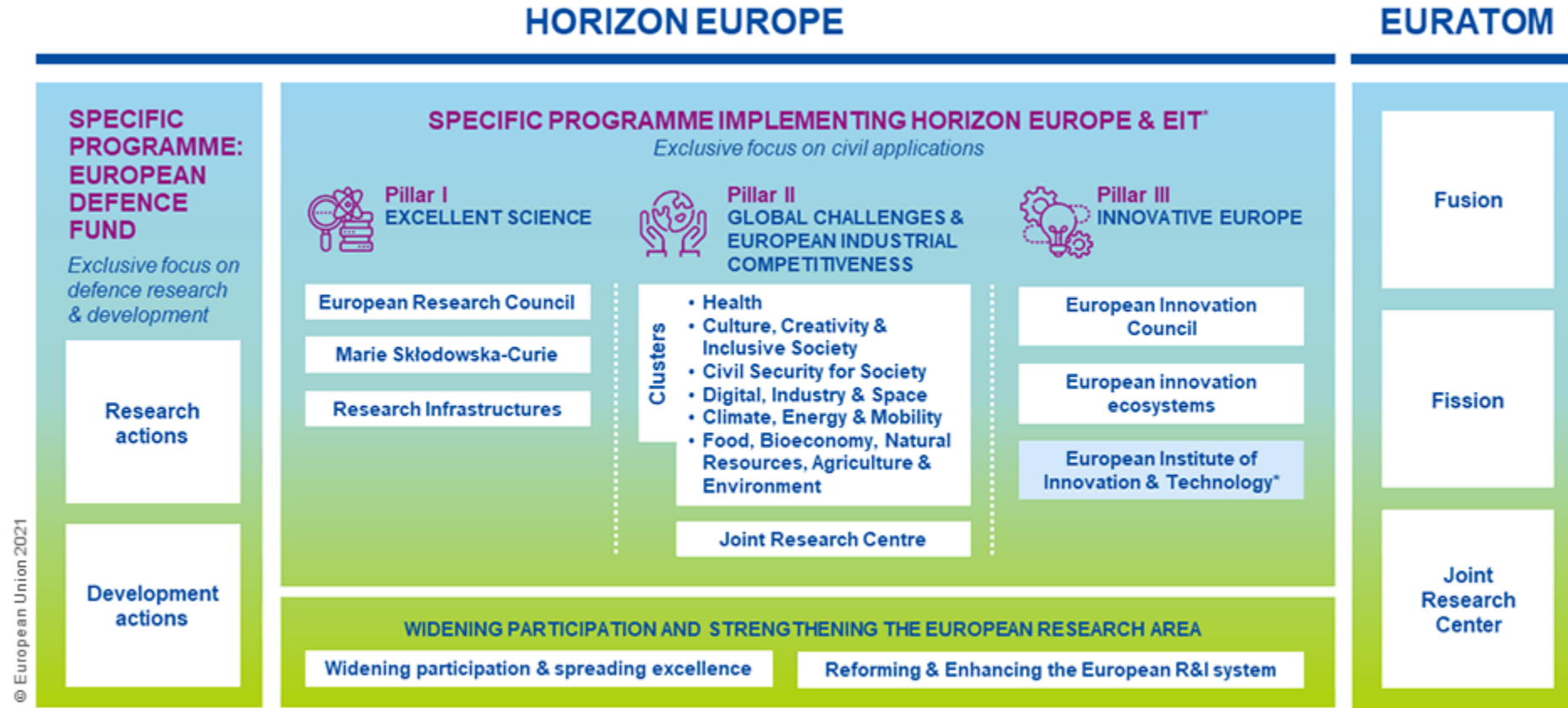


Te Ara Paerangi – Future Pathways: A future focused RSI system for New Zealand that is:

- focused, well resourced, collaborative and equitable
- ensures the research, science and innovation system makes an impact of national and global significance
- embeds Te Tiriti and Māori aspirations into its design
- supports an excellent and diverse workforce
- sustainable, resilient and cohesive.

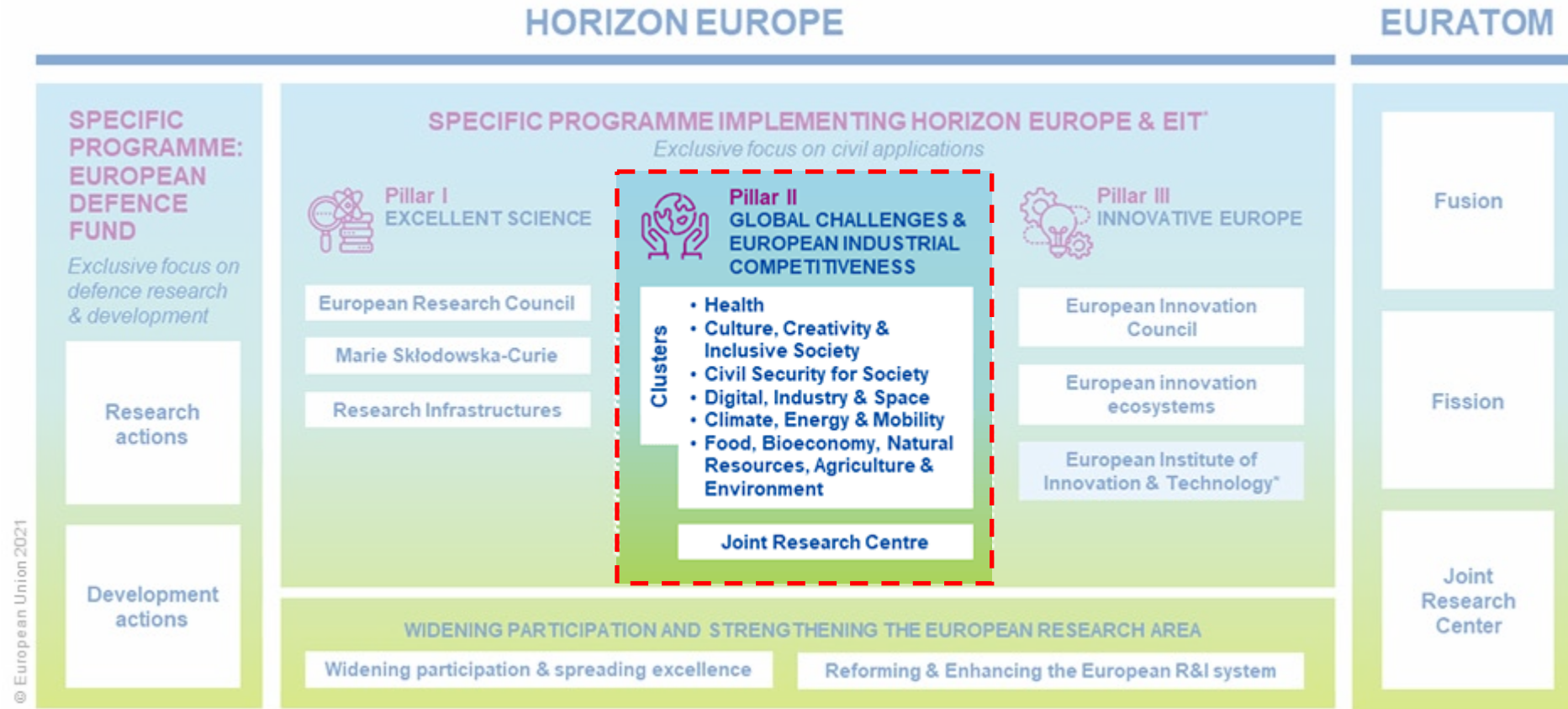


# Horizon Europe programme



\* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme

# Horizon Europe programme



\* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme

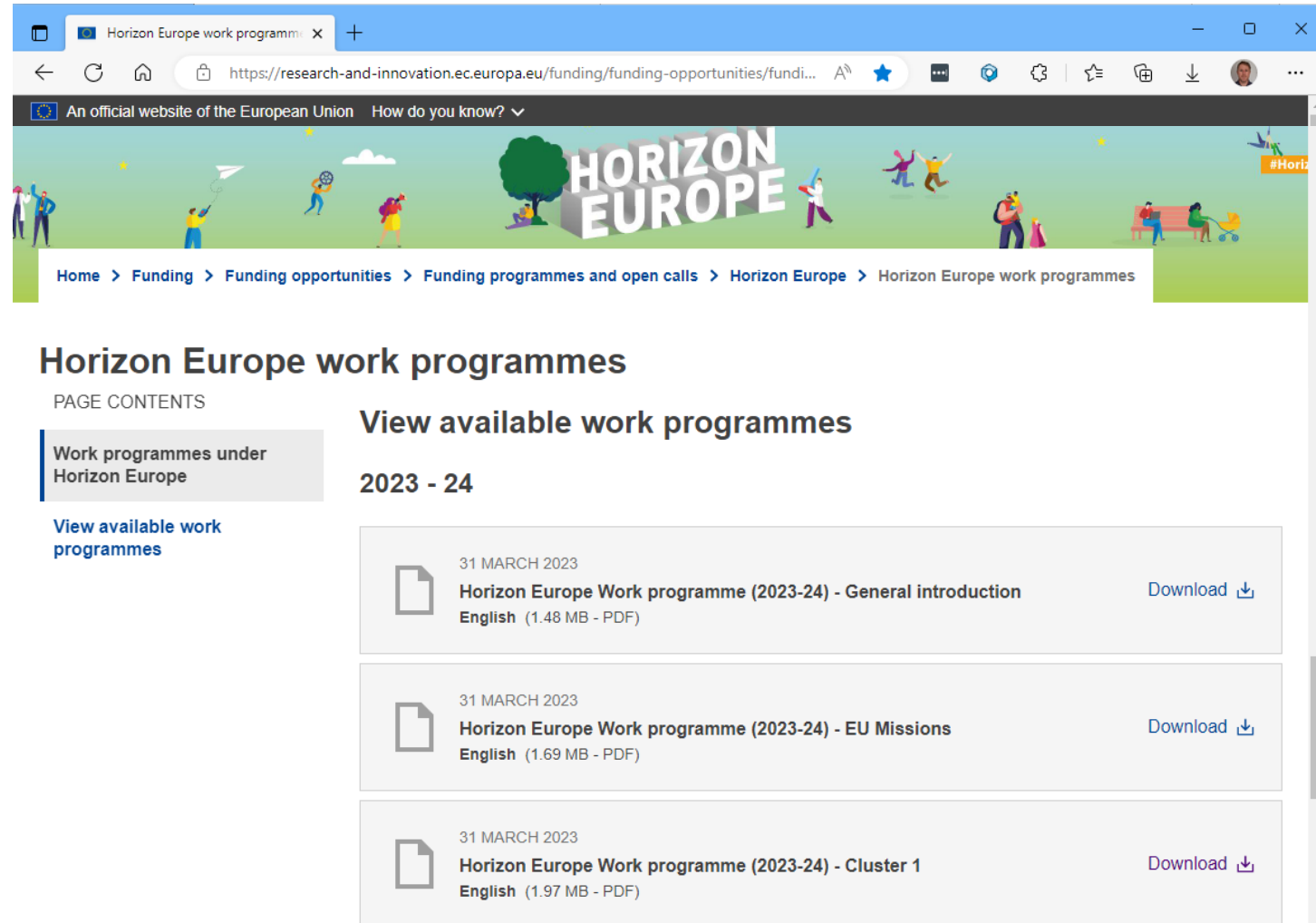
# Horizon Europe programme

## Horizon Europe – Pillar II Clusters and Destinations




<p><b>Cluster 1 - Health</b></p> <ol style="list-style-type: none"><li>1. Staying healthy</li><li>2. Living &amp; working in a health-promoting environment</li><li>3. Tackling diseases &amp; reducing disease burden</li><li>4. Innovative, sustainable and high-quality healthcare</li><li>5. Unlocking the full potential of new tools, technologies and digital solutions for a healthy society</li><li>6. Maintaining an innovative, sustainable &amp; globally competitive health industry</li></ol>	<p><b>Cluster 2 – Culture, Creativity and Inclusive Society</b></p> <ol style="list-style-type: none"><li>1. Democracy and Governance</li><li>2. European Cultural Heritage and the Cultural and Creative Industries</li><li>3. Social and Economic transformations</li></ol>	<p><b>Cluster 3 – Civil Security for Society</b></p> <ol style="list-style-type: none"><li>1. Better protect the RU and its citizens against Crime and Terrorism</li><li>2. Effective management of EU external borders</li><li>3. Protected infrastructure</li><li>4. Increased Cybersecurity</li><li>5. A Disaster-Resilient Society for Europe</li><li>6. SSRI (Strengthened Security Research and Innovation)</li></ol>	<p><b>Cluster 4 – Digital, Industry and Space</b></p> <ol style="list-style-type: none"><li>1. Climate neutral, circular and digitised production</li><li>2. Increased autonomy in key strategic value chains for resilient industry</li><li>3. World leading data and computing Technologies</li><li>4. Digital and emerging Technologies for competitiveness and fit for the green deal</li><li>5. Open strategic autonomy in developing, deploying and using global space-based infrastructures, services, applications and data</li><li>6. A human-centred and ethical development of digital and industrial technologies</li></ol>	<p><b>Cluster 5 – Climate, Energy and Mobility</b></p> <ol style="list-style-type: none"><li>1. Climate science and responses</li><li>2. Cross-sectoral solutions for the climate transition</li><li>3. Sustainable, secure and competitive energy supply</li><li>4. Efficient, sustainable and inclusive energy use</li><li>5. Clean and competitive solutions for all transport modes</li><li>6. Safe, Resilient Transport and Smart Mobility services for passengers and goods</li></ol>	<p><b>Cluster 6 – Food, Bioeconomy, Natural Resources, Agriculture and Environment</b></p> <ol style="list-style-type: none"><li>1. Biodiversity and Ecosystem services</li><li>2. Fair, healthy and environmentally-friendly food systems from primary production to consumption</li><li>3. Circular economy and bioeconomy sectors</li><li>4. Clean environment and zero pollution</li><li>5. Land, oceans and water for climate action</li><li>6. Resilient, inclusive, healthy and green rural, coastal and urban communities</li><li>7. Innovative governance, environmental observations and digital solutions in support of the Green Deal</li></ol>
---	---	---	---	---	---

# How to find calls

- Download work programme pdf from the web



The screenshot shows a web browser window displaying the Horizon Europe work programmes page. The browser's address bar shows the URL: <https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/fundi...>. The page features a large banner with the text "HORIZON EUROPE" and an illustration of people in a park. Below the banner is a breadcrumb trail: [Home](#) > [Funding](#) > [Funding opportunities](#) > [Funding programmes and open calls](#) > [Horizon Europe](#) > [Horizon Europe work programmes](#). The main heading is "Horizon Europe work programmes". Underneath, there is a "PAGE CONTENTS" section with a highlighted item: "Work programmes under Horizon Europe". A link "View available work programmes" is visible. The main content area is titled "View available work programmes" and "2023 - 24". It lists three PDF documents for download:

Date	Document Title	Language	Size	Format	Action
31 MARCH 2023	Horizon Europe Work programme (2023-24) - General introduction	English	1.48 MB	PDF	Download 
31 MARCH 2023	Horizon Europe Work programme (2023-24) - EU Missions	English	1.69 MB	PDF	Download 
31 MARCH 2023	Horizon Europe Work programme (2023-24) - Cluster 1	English	1.97 MB	PDF	Download 



# How to find calls

- Download work programme pdf from the web

or

- Browse Funding and Tenders Portal

- Type of action
- Budget
- Expected outcomes
- Conditions

The screenshot displays the European Commission's 'Funding & tender opportunities' portal. The header includes the European Commission logo, the text 'Funding & tender opportunities', and 'Single Electronic Data Interchange Area (SEDIA)'. There are links for 'Register' and 'Login' in English. A navigation bar contains 'SEARCH FUNDING & TENDERS', 'HOW TO PARTICIPATE', 'PROJECTS & RESULTS', 'WORK AS AN EXPERT', and 'SUPPORT'. A warning banner states: 'Grant Management Services will be experiencing issues on Monday, 27.03.2023 between 07:30 and 08:10 CET.' The main content area is titled 'Funding and tenders (1667)'. On the left, there are search filters: a keyword search bar, 'Match whole words only' (checked), 'GRANTS' (checked) and 'TENDERS' (unchecked) radio buttons, 'Submission status' (Forthcoming: 320, Open for submission: 338, Closed: 1009), 'Programming period' (2021 - 2027 (1667)), and 'Horizon Europe (HORIZON)' selected. Below these are dropdowns for 'Programme part' (Global Challenges and European Industrial Competitiveness), 'Mission' (Select a Mission...), and 'Destination' (Select a Destination...). The main list shows three funding opportunities:

- CASSINI Prize for digital space applications** (HORIZON-EUSPA-2022-MARITIME-PRIZE): Status: Open for submission, Deadline: 04 May 2023 17:00:00 Brussels time.
- Thermal management and energy optimisation of high energy demand IT systems equipment in tertiary buildings** (HORIZON-CL5-2023-D4-01-04): Status: Open for submission, Deadline: 21 April 2023 17:00:00 Brussels time.
- Interoperable solutions for positive energy districts (PEDs), including a better integration of local renewables and local excess heat sources** (HORIZON-CL5-2023-D4-01-03): Status: Open for submission, Deadline: 21 April 2023 17:00:00 Brussels time.

Each entry includes buttons for 'Call for proposal' and 'Grant'. The footer contains: '© 2018 European Commission | About | Free text search | IT Helpdesk | Cookies | Legal Notice | APIs'.

# Types of actions

## Main types of actions



Activities to produce plans and arrangements or designs for new, altered or improved products, processes or services.

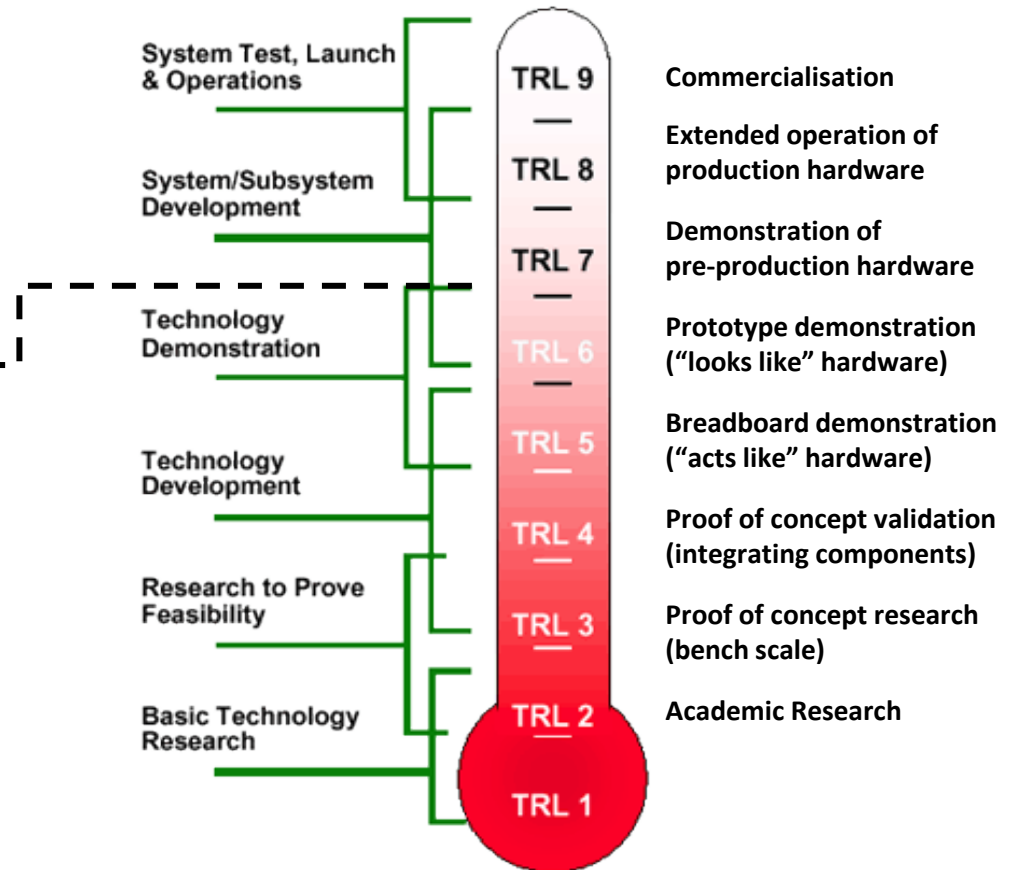
These activities may include prototyping, testing, demonstrating, piloting, large-scale product validation and market replication.



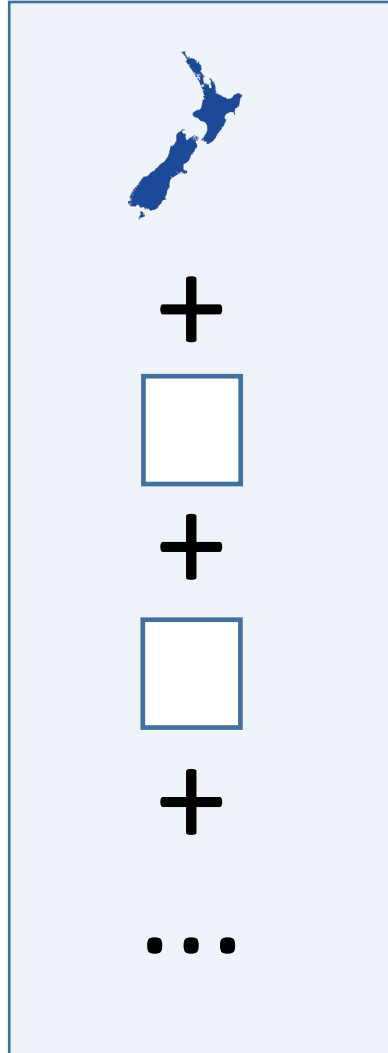
Activities to establish new knowledge or to explore the feasibility of a new or improved technology, product, process, service or solution.

This may include basic and applied research, technology development and integration, testing, demonstration and validation of a small-scale prototype in a laboratory or simulated environment.

## Technology Readiness Levels

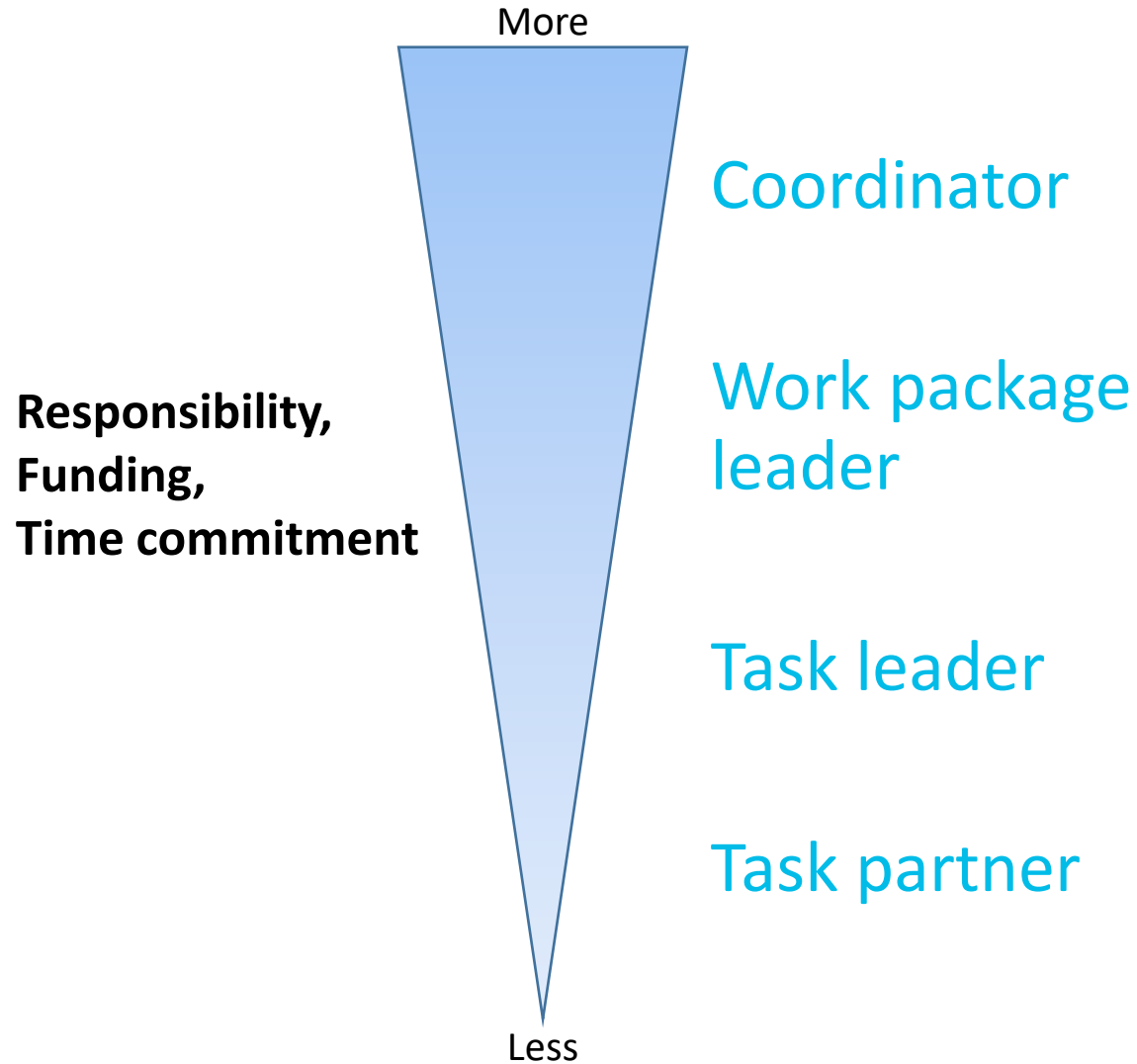


# Horizon Europe consortia



- Pillar II projects are inherently multinational collaborations, strongly impact focused
- NZ partners can join or lead consortia
- Can be multiple NZ partners in a project
- Minimum requirements (for most activities)
  - 3 EU Member/Associated countries
  - 1 partner from EU Member country
- Third countries can be included, but not always funded
  - Pacific island nations can receive funding

# Horizon Europe consortia



- Number of partners is usually much greater than 3, scales with size of project
- Successful consortia are a balance of complementary skills and perspectives
- Networking events, partner search, NCPs
- Funding agreement + consortium agreement (incl. IP)

# Assessment criteria and process

## EXCELLENCE

- ✓ Clarity and pertinence of the **project's objectives**, and the extent to which the proposed work is ambitious, and goes beyond the state-of-the-art.
- ✓ Soundness of the proposed **methodology**, including the underlying concepts, models, assumptions, interdisciplinary approaches, appropriate consideration of the **gender dimension** in research and innovation content, and the quality of **open science practices** including sharing and management of research outputs and engagement of citizens, civil society and end users where appropriate.

## IMPACT

- ✓ Credibility of the **pathways** to achieve the expected **outcomes and impacts** specified in the work programme, and the likely scale and significance of the contributions due to the project.
- ✓ Suitability and quality of the **measures to maximize expected outcomes and impacts**, as set out in the dissemination and exploitation plan, including communication activities.

## QUALITY AND EFFICIENCY OF IMPLEMENTATION

- ✓ Quality and effectiveness of the **work plan**, assessment of risks, and appropriateness of the effort assigned to work packages, and the resources overall.
- ✓ Capacity and role of each **participant**, and extent to which the **consortium** as a whole brings together the necessary expertise.

Receipt of proposals

Individual evaluation

Consensus group

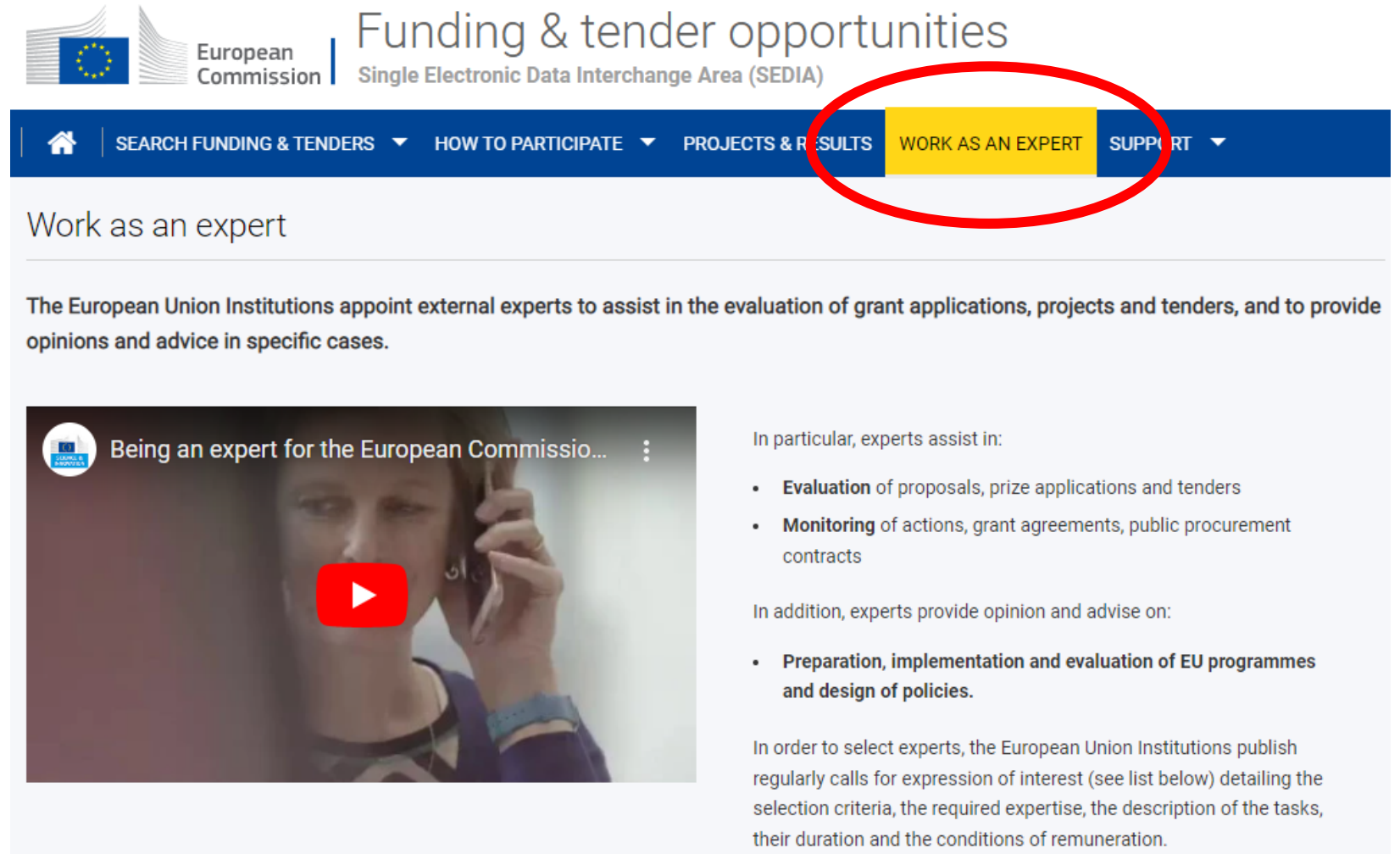
Panel review

Finalisation

Grant agreement preparation

# Opportunities for ECRs

- Register with European Commission as an expert
- Answer MBIE call for expressions of interest to be a NCP



The screenshot shows the European Commission's website for 'Funding & tender opportunities' in the 'Single Electronic Data Interchange Area (SEDIA)'. The navigation bar includes 'SEARCH FUNDING & TENDERS', 'HOW TO PARTICIPATE', 'PROJECTS & RESULTS', 'WORK AS AN EXPERT' (highlighted with a red circle), and 'SUPPORT'. The main content area is titled 'Work as an expert' and describes the role of external experts. A video thumbnail titled 'Being an expert for the European Commissio...' is visible. The text explains that experts assist in evaluation and monitoring, and provide opinions and advice on EU programmes and policies.

European Commission | Funding & tender opportunities  
Single Electronic Data Interchange Area (SEDIA)

SEARCH FUNDING & TENDERS ▾ HOW TO PARTICIPATE ▾ PROJECTS & RESULTS WORK AS AN EXPERT SUPPORT ▾

## Work as an expert

The European Union Institutions appoint external experts to assist in the evaluation of grant applications, projects and tenders, and to provide opinions and advice in specific cases.

Being an expert for the European Commissio...

In particular, experts assist in:

- **Evaluation** of proposals, prize applications and tenders
- **Monitoring** of actions, grant agreements, public procurement contracts

In addition, experts provide opinion and advise on:

- **Preparation, implementation and evaluation of EU programmes and design of policies.**

In order to select experts, the European Union Institutions publish regularly calls for expression of interest (see list below) detailing the selection criteria, the required expertise, the description of the tasks, their duration and the conditions of remuneration.

# Domestic top-up scheme

- Top-up scheme will enable NZ researchers and research organisations to participate in the programme without incurring a significant shortfall in overheads
  - EC fund overheads at 25% of eligible direct costs
  - **MBIE top-up will bring overheads to 100%**
- Available to qualifying successful bids
- Capped at NZD\$1.05 million per project
- NZ participants required to register bids with MBIE
- Further details on the [MBIE Horizon Europe webpage](#)



# Take home points

- NZ researchers are eligible to apply from now
- 2023–2024 work programmes available online
- Projects typically 3 years, €4–15 million, on specific topics
- Consortia of at least 3 member states/ associated countries
- Partner search and brokerage events available
- Register bids with MBIE for top-up funding







**Contact us**

Ministry of Business, Innovation & Employment

15 Stout Street, PO Box 1473,

Wellington 6140, New Zealand.

[John.creech@mbie.govt.nz](mailto:John.creech@mbie.govt.nz) | +64 4 890 3524

[www.mbie.govt.nz](http://www.mbie.govt.nz)