

Quake Centre: An Introduction for Lifelines Infrastructure Research Day

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17th Oct 2019

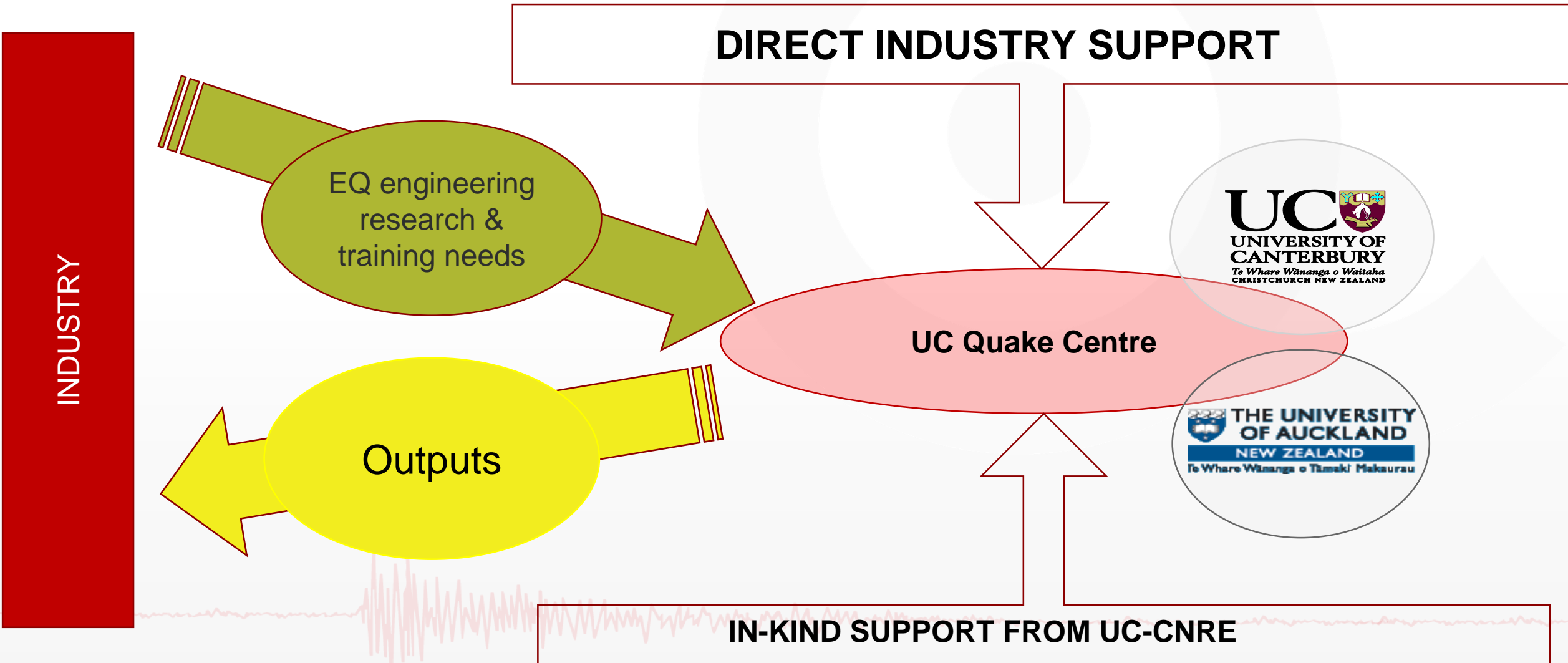
What is the Quake Centre

- An industry funded organisation hosted at University of Canterbury
- Initiated mid 2013 in response to the 2010-2011 earthquake series

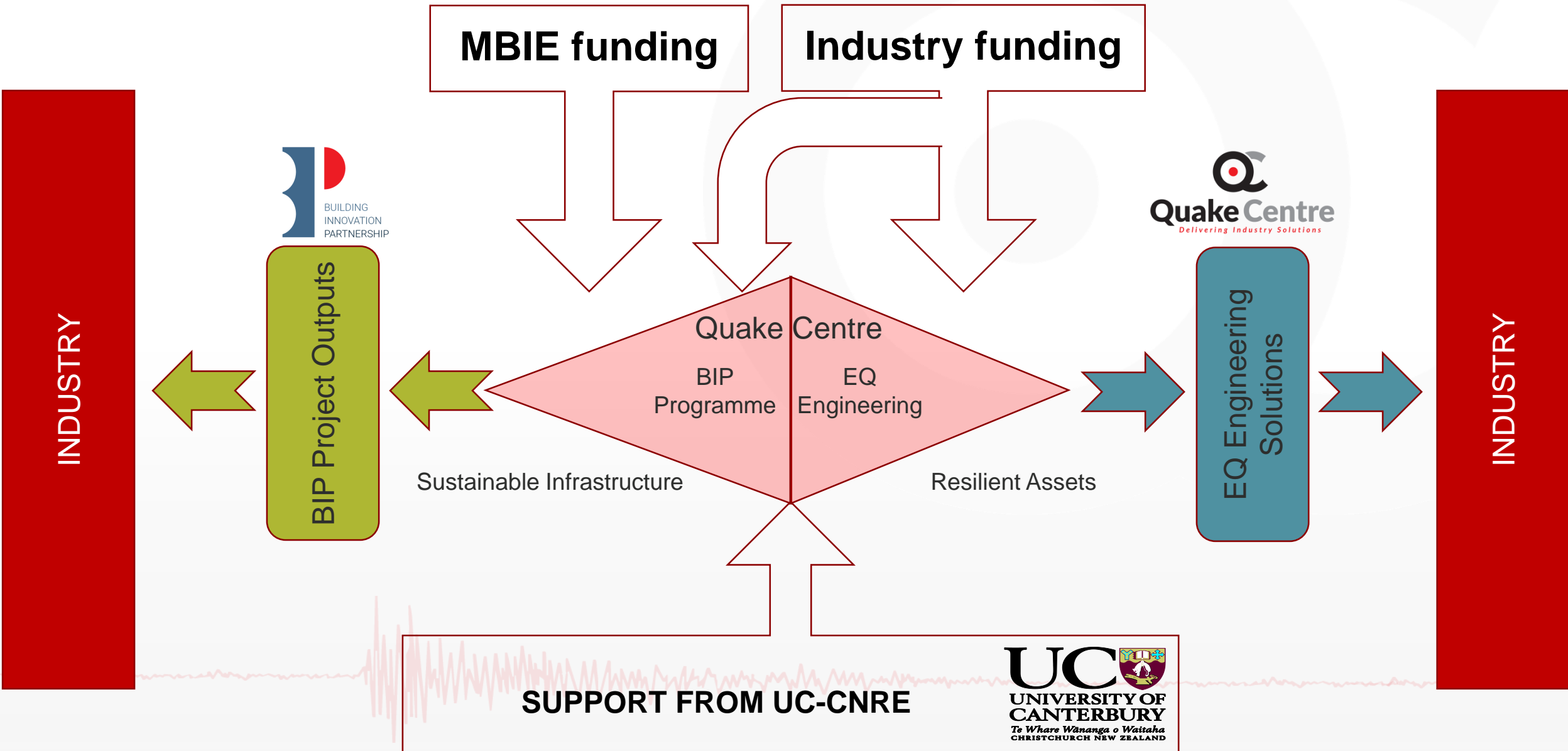
Funded by industry to deliver solutions to industry identified needs

- Approx \$1.0m pa industry funds applied to research and output delivery to industry

Original formation of the QC - model







QC model today



Project Outputs – QC Dissemination

The screenshot shows a web browser window displaying the Quake Centre Online Resource Portal. The browser's address bar shows the URL `resources.quakecentre.co.nz/3-waters/`. The page features a navigation menu with links for `QC RESOURCE PORTAL`, `QC WEBSITE`, `QC ONLINE COURSES`, and `CONTACT US`. A breadcrumb trail indicates the current location: `Home >> 3 Waters Resources`.

3 Waters Resources

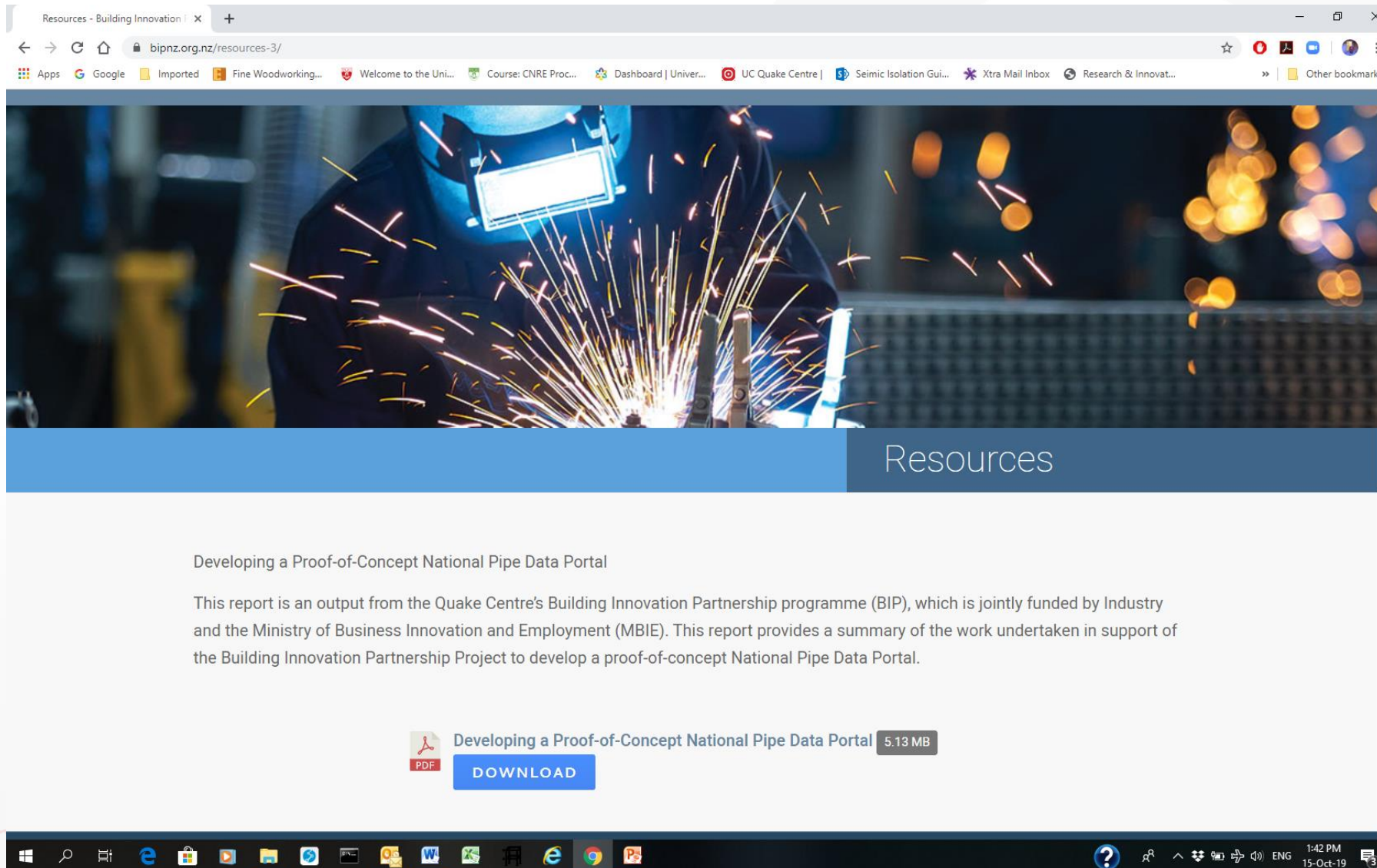
- **Review of New Zealand Pipe Inspection Manual**
February 1, 2017
The New Zealand Pipe Inspection Manual (NZPIM) is a document that is extensively used by the water industry to assess ... [Read More >](#)
- **Evidenced-based Investment Decision Making for 3 Waters Networks**
November 28, 2016
Pipe Renewals (working title) The Pipe Renewals Programme is a collaboration between the Quake Centre, Water NZ and IPWEA to ... [Read More >](#)
- **Pipe Renewals Guidelines**
May 26, 2016
In 2014, the total replacement value of the 3 waters assets in New Zealand was estimated to be about NZ\$45.2 ... [Read More >](#)
- **Levels of Service Performance Measures for the Seismic Resilience of Three Waters Network Delivery**
May 11, 2016
Context Learning from the Christchurch Earthquake sequence and other disasters has highlighted the need for New Zealand's 3 Waters Services ... [Read More >](#)

On the right side of the page, there is a sidebar with a search bar and a **Categories** section. The categories listed are:

- 3 Waters
- Concrete Research
- Dams
- Geotechnical
- International experts
- Non Structural
- Quake Centre Funding Thesis
- Quake Centre Resources
- Structural

Below the categories is a **Login** section.

Project Outputs – BIP Dissemination



The screenshot shows a web browser window with the URL bipnz.org.nz/resources-3/. The page features a large header image of a welder in a dark environment with bright sparks. Below the image is a blue navigation bar with the word "Resources" in white. The main content area has a white background and contains the following text:

Developing a Proof-of-Concept National Pipe Data Portal

This report is an output from the Quake Centre's Building Innovation Partnership programme (BIP), which is jointly funded by Industry and the Ministry of Business Innovation and Employment (MBIE). This report provides a summary of the work undertaken in support of the Building Innovation Partnership Project to develop a proof-of-concept National Pipe Data Portal.

At the bottom of the page, there is a download button for a PDF file titled "Developing a Proof-of-Concept National Pipe Data Portal" with a size of 5.13 MB.



“Building Innovation Partnership”

MBIE partnership funding

- Industry led research
- \$12.5m over 7 year period (60% industry funded:40%MBIE funded)
- Increased quality & productivity in the built environment sector
- Programme structured around 3 themes
- Led with assistance of industry champions for each theme

Thank you – Questions?

For more information please go to

www.quakecentre.co.nz

<https://bipnz.org.nz>

<https://resources.quakecentre.co.nz>

<https://scirtlearninglegacy.org.nz>