

# Cyber Infrastructure panel

Virtual Residency Intermediate/Advanced Workshop 2020

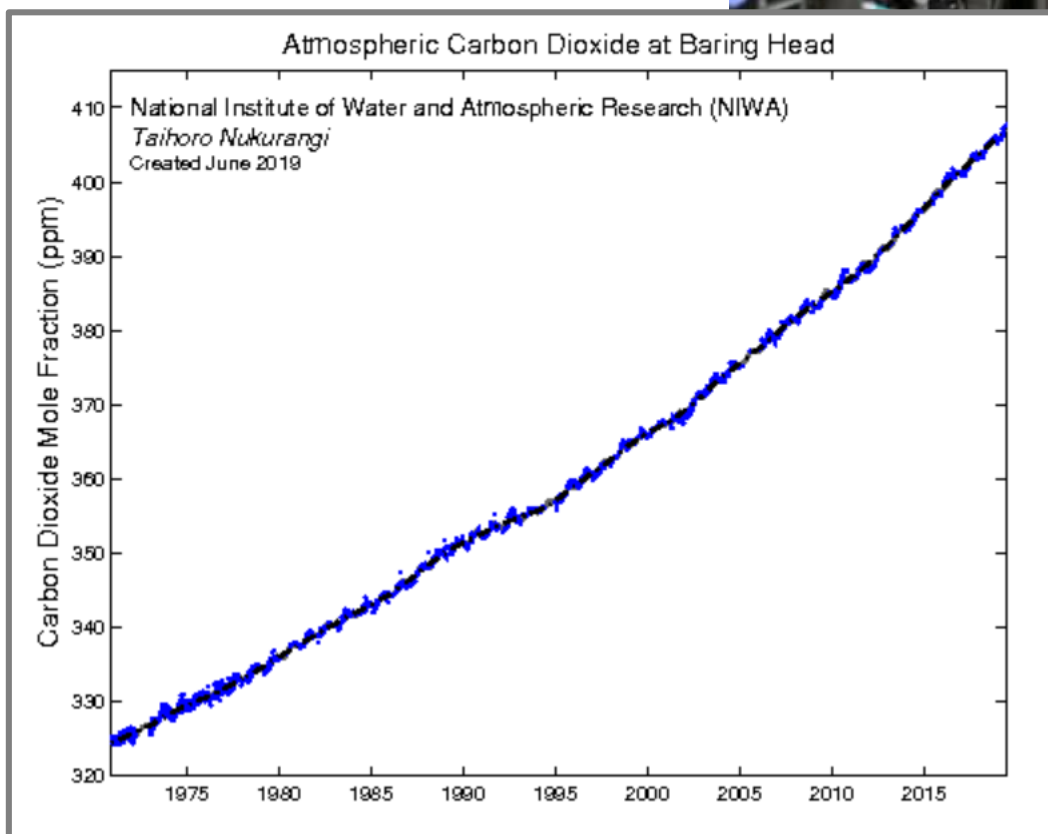
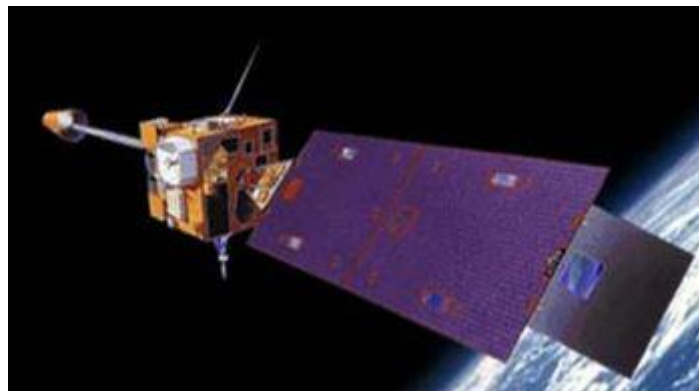
Climate, Freshwater & Ocean Science



**NIWA**  
Taihoro Nukurangi

# Introduction

- University of Wisconsin, Stanford – engineering degrees
- Followed by work life:
  - A. Ford Aerospace (later Space Systems Loral) 1985-1991
  - B. Cray Research (and then SGI) 1991-1999
  - C. IBM 1999-2014
  - D. Lenovo 2014-2019
  - E. NIWA / NeSI in New Zealand, 2019 onward



# Baring Head climate monitoring station



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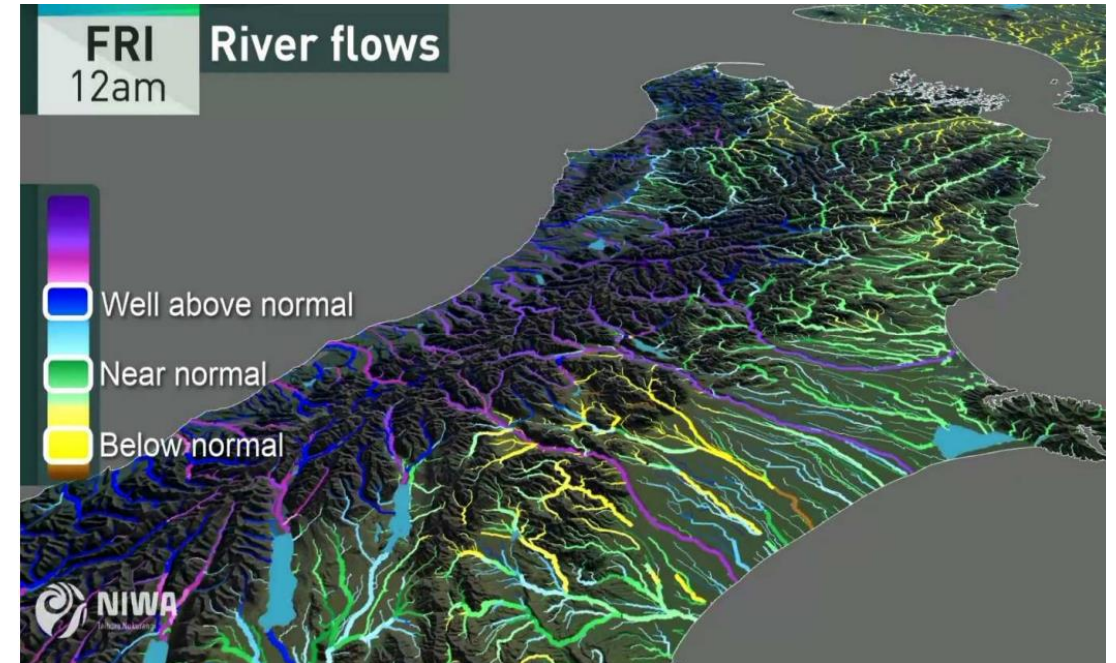
# HPC example: New Zealand's first national river flow forecasting system for flooding resilience

•Researcher:  
Dr. Céline Cattoën-Gilbert  
NIWA

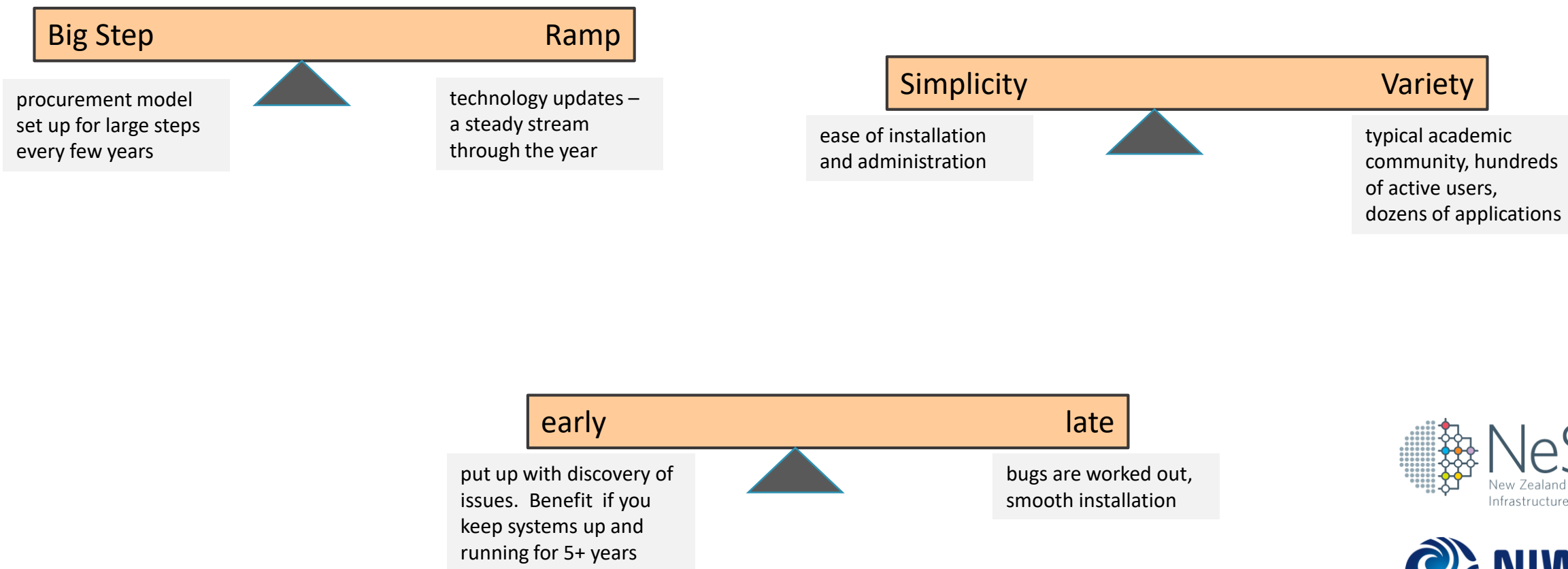
"Without NeSI's input, we would have been much more limited. We wouldn't have been able to develop a national-scale system running in real-time."

## NeSI delivered:

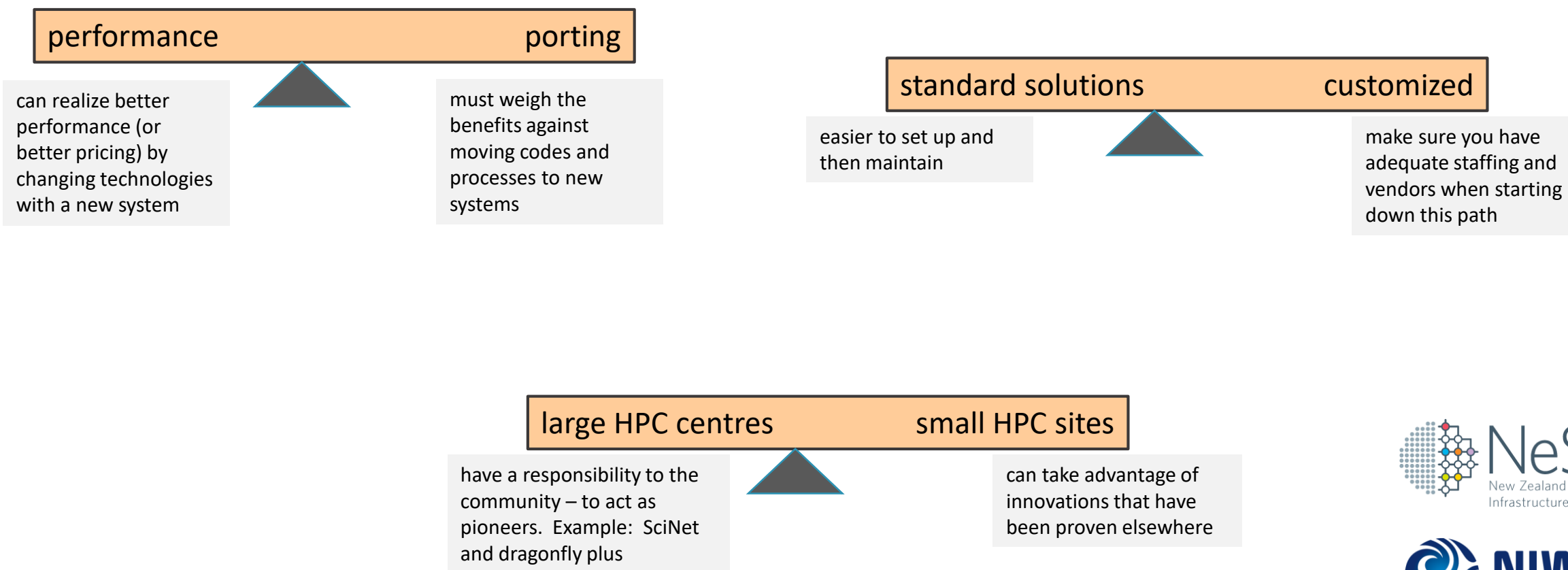
- Computing resources
- HPC expertise to optimise data processing
- Assistance with automating workflows



# Panel: Deciding Which Technologies to Adopt, and When



# Panel: Deciding Which Technologies to Adopt, and When





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# Thank you

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